Special Conditions
Permit Number 21999

1. This permit authorizes a bulk liquid transfer and container maintenance facility. These facilities are located at 9938 Chemical Rd, Pasadena, Harris County. This permit covers only those sources of emissions listed on the maximum allowable emission rates table (MAERT) and those sources are limited to the emission limits and other conditions specified in the attached table. The annual rates are based on any consecutive 12-month period.

2. This permit does not include the facilities or maintenance, startup, or shutdown (MSS) activities at the site, except as noted in the MAERT. Instead, these facilities and/or activities are authorized by a permit-by-rule (PBR) under Title 30 Texas Administrative Code (30 TAC) Chapter 106, standard exemption, exemption from permitting, or are a de minimis source listed under 30 TAC § 116.119.

3. The facilities and/or activities listed in the following table operate per the criteria of the referenced Standard Exemption (SE)/Permit by Rule (PBR)/Standard Permit and are incorporated by reference:

Facilities/Activities	SE No./PBR No./Standard Permit	Registration No.
Boiler	106.183	N/A
Wastewater System	106.472, 106.532	N/A

4. A copy of this permit shall be kept at the site and made available at the request of personnel from the Texas Commission on Environmental Quality (TCEQ) or any other air pollution control agency with jurisdiction.

5. With the exception of fugitive sources, the holder of this permit shall clearly label all equipment at the property that has the potential of emitting air contaminants. Permitted emission points shall be clearly labeled corresponding to the emission point numbering on the MAERT.

6. Non-fugitive emissions from relief valves, safety valves, or rupture discs of gases containing volatile organic compounds (VOC) at a concentration of greater than 1 percent are not authorized by this permit unless authorized on the MAERT. Any releases directly to atmosphere from relief valves, safety valves, or rupture discs of gases containing VOC at a concentration greater than 1 weight percent are not consistent with good practice for minimizing emissions.

Flare

7. The flare shall be designed and operated in accordance with the following requirements:

   A. The flare systems shall be designed such that the combined assist natural gas and waste stream to each flare meets the 40 CFR § 60.18 specifications of minimum heating value and maximum tip velocity under normal and maintenance flow conditions.

      The heating value and velocity requirements shall be satisfied during operations authorized by this permit. Flare testing per 40 CFR § 60.18(f) may be requested by the appropriate regional office to demonstrate compliance with these requirements.

   B. The flare shall be operated with a flame present at all times and/or have a constant pilot flame. The pilot flame shall be continuously monitored by a thermocouple, infrared monitor, or ultraviolet monitor. The time, date, and duration of any loss of pilot flame shall be recorded. Each monitoring device shall be accurate to, and shall be calibrated or have a

calibration check performed, at a frequency in accordance with, the manufacturer's specifications.

C. The flare shall be operated with no visible emissions except periods not to exceed a total of five minutes during any two consecutive hours. This shall be ensured by the use of air assist to the flare.

D. A minimum of 0.4 scf of supplemental gas (natural gas) for every 1 scf of waste gas shall be supplied to maintain the minimum heating value and complete combustion. The permit holder shall determine the minimum supplemental gas supply line pressure required to maintain the fuel to waste gas ratio at or above 0.4/1. Documentation demonstrating the basis for the supplemental gas supply line pressure setting shall be maintained on site. A pressure gauge shall be installed and maintained on the supplemental gas supply line to measure the pressure immediately downstream from the gas control regulator. The permit holder shall monitor and record the gauge measured supplemental gas line pressure during initial startup of the flare each day of use. The pipeline set point pressure design analysis and documentation should be complete no later than 90 days from permit issuance.

The permit holder shall prepare and maintain on site documentation demonstrating compliance with the maximum allowable tip velocity specification in 40 CFR 60.18(f).

E. Fuel gas combusted at this facility shall be sweet natural gas containing no more than 5 grains of total sulfur per 100 dry standard cubic feet.

8. Emissions generated from the cleaning of containers where the immediate past service was a compound identified in List I shall be vented to the flare. Emissions generated from the bulk transfer of compounds appearing on List I or List III shall be vented to the flare. The flare shall be operated with no less than 98 percent efficiency in disposing of the carbon compounds captured by the vapor collection system.

Carbon Adsorption System (CAS)

9. Emissions generated from the cleaning of containers where the immediate past service was a chemical identified in List II shall be vented to the CAS. Emissions generated from the bulk transfer of compounds appearing on List II shall be vented to the CAS. The CAS shall consist of at least three activated carbon canisters connected in series.

A. The CAS shall be sampled and recorded continuously by a continuous emission monitoring system (CEMS) from 30 minutes prior to start of cleaning operations through 30 minutes after cessation of operations to determine breakthrough of volatile organic compounds (VOC). The sampling point shall be at the outlet of the second canister but before the inlet to the third or final polishing canister.

B. The method of VOC sampling and analysis shall be by flame ionization detector (FID) or a Texas Commission on Environmental Quality (TCEQ)-approved equivalent. On each day that the sampling is required, the FID shall be zeroed and calibrated with certified gas mixtures. The certified mixture used to zero the FID shall be air containing less than 10 parts per million by volume (ppmv) of VOC, and the other calibration gas shall be certified at 100 ppmv ± 12 percent. The CEMS shall be equipped with an alarm system that causes operator intervention upon determination of breakthrough (see subparagraph E below).

C. The system shall be zeroed and spanned and adjusted each day of use to the zero and span value. Zero and span is not required on weekends and plant holidays if instrument technicians are not normally scheduled on those days, or on days when the CAS will not be used, unless the monitor is required by a subpart of New Source Performance Standards or

National Emission Standards for Hazardous Air Pollutants, in which case zero and span shall be done daily without exception.

Each monitor shall be quality-assured at least quarterly in accordance with 40 CFR Part 60, Appendix F, Procedure 1, Section 5.1.2, except that four cylinder gas audits (CGAs) may be used in lieu of three CGAs and one relative accuracy test. All CGA exceedances of ± 15 percent accuracy and any CEMS downtime that occurs while vapors are being vented to the CAU shall be reported to the appropriate TCEQ Regional Director, and necessary corrective action shall be taken.

Supplemental relative accuracy tests may be required at the discretion of the appropriate TCEQ Regional Director. The method of VOC sampling and analysis shall be as specified in Performance Specification No. 8, 40 CFR Part 60, Appendix B.

D. Breakthrough shall be defined as a measured VOC concentration of 100, 50, or 10 ppmv (as specified in List II for the compound being processed) corrected for the appropriate equipment response factor of the CEMS carbon sensor. When the condition of VOC breakthrough occurs, the operator shall cease cleaning until the spent first canister is removed, the waste flow is redirected to the second canister, the CEMS is reconnected after the old polishing canister, and a fresh new canister is emplaced as the new final polishing canister. Sufficient fresh activated carbon canisters shall be maintained at a convenient location to allow timely replacement of spent carbon canisters at anticipated use rates.

E. Records of the CAS monitoring maintained at the plant site shall include (but are not limited to) the following:

(1) Sample time and date;

(2) Monitoring results (ppmv); and

(3) Corrective action taken upon discovery of breakthrough or other upset, including the time and date of that action.

These records shall be made available upon request to representatives of the TCEQ and any local air pollution program having jurisdiction and shall be retained for at least two years following the date that the data is obtained.

Housekeeping

10. All residual chemicals (i.e., heels) shall be stored in a closed container prior to shipment off-site. The containers shall be opened only when necessary to add or remove material.

11. The holder of this permit shall clean up any spills of VOC or inorganic compounds as expeditiously as possible. All collected liquids and spills shall be disposed of in a vapor-tight container such that no detectable emissions to the atmosphere will result.

Operating Restrictions

12. A maximum of fourteen 8,000-gallon containers (or an equivalent volume) may be cleaned in any one-hour period with the following limitations:

A. No more than a total of five 8,000-gallon containers (or equivalent volume) that last held one or more of the chemicals appearing on List I (Controlled by Flare) may be cleaned in any one-hour period.

B. No more than a total of five 8,000-gallon containers (or an equivalent volume) that last held one or more of the chemicals appearing on List II (controlled by CAU) may be cleaned in any one-hour period.

C. No more than thirteen 8,000-gallon containers (or equivalent volume) that last held one or more of the chemicals appearing on List III (Uncontrolled) may be cleaned in any one-hour period.

D. At no time shall the permit holder exceed the authorized maximum tank volume (gallons) to be cleaned in any one-hour period. These maximum volumes are stated on List I, List II, or List III for each compound.

E. The type of containers that may be cleaned at the facility includes (but is not limited to) intermodal containers, road tankers, roll-off bins, vacuum tanks, and totes. Containers waiting to be cleaned shall remain closed until cleaning procedures are implemented. If cleaning procedures are interrupted before the cleaning process is complete, the vessel shall be immediately closed to prevent emissions.

F. Handling of chemicals not appearing on these lists shall be prohibited unless they meet the requirements of an applicable TCEQ permit by rule or unless the Material Usage Flexibility conditions are met.

Material Usage Flexibility

13. In addition to the approved materials, the use of new materials or products that meet all of the following sub-conditions are allowed**.** Pollutants from categories of air pollutants not currently authorized on the MAERT cannot be authorized using this special condition. This special condition does not authorize the use of any chlorinated or fluorinated compound when emissions are routed to a thermal control device.

A. All the ingredients of the new material are known; i.e., the weight percentages of the ingredients add to 100 percent or more.

B. The maximum hourly (short-term) or annual emission rates from new or existing air contaminant ingredients (aka air contaminants) shall not cause any increases in the short-term or annual emission rates as listed on the MAERT.

C. Emissions from the new material shall only be from the emission points represented in the table provided in paragraph G(2) of this special condition.

D. Any air contaminant in the new material is exempt from paragraphs E through H of this special condition if the air contaminant is currently authorized under this permit and the proposed emission rate from each EPN is less than or equal to the authorized emission rate from the same EPN.

E. Any air contaminant in the new material is exempt from paragraphs F through H of this special condition if:

(1) The air contaminant is a particulate and no specific short-term effects screening level (ESL) is included in the most current set of ESLs available through the TCEQ Toxicity Factor Database (must meet NAAQS); or

(2) The air contaminant is not included in the most current set of ESLs available through the TCEQ Toxicity Factor Database.

If the compound is not on the current ESL list and does not belong to a category of compounds on the list, the permit holder shall request confirmation from the Toxicology

Division that an ESL need not be created for authorization through this condition. If the Toxicology Division determines that an ESL is not required under this condition, confirmation that no ESL is required shall be kept on file by the applicant.

F. Any air contaminant in the new material is exempt from paragraphs G and H of this special condition if:

(1) it is emitted at a rate and has a short-term ESL and an annual ESL as stated in the following table; or

Emission Rate (lbs/hr)	Short-term ESL ($\mu g/m_3$)	Annual ESL ($\mu g/m_3$)
≤ 0.04	≥ 2 and < 500	≥ 0.2 and < 50
≤ 0.10	≥ 500 and < 3,500	≥ 50 and < 350
≤ 0.40	≥ 3,500	≥ 350

(2) it is not sprayed and it has at least one of the following physical characteristics:

(a) a vapor pressure less than 0.01 mm Hg (0.0002 psi) at 68°F;

(b) a boiling point at atmospheric pressure that is above 400°F (204°C), provided the compound is not heated above room temperature in the process; or

(c) a molecular weight that is above 200 g/g-mol, provided the compound is not heated above room temperature in the process.

G. For all other new air contaminants or increases in existing air contaminants, the following procedure shall be completed to determine if the short-term impacts are acceptable.

(1) Determine the emission rate of each air contaminant including emissions of the same air contaminant (if an existing air contaminant) from the currently authorized materials that may be emitted at the same time from each emission point.

(2) Multiply the emission rate of the air contaminant by the unit impact multiplier for each emission point from the following table to determine the off-property impact Ground Level Concentration $(GLC)_{MAX}$ for each emission point.

EPN	Chemical List	Unit Impacts ($\mu g/m_3$ per lb/hr)
CL-1 (Wash Rack)	List III	248.80
CAU-1 (Carbon System Stack)	List II	499.1
FL-1 (Flare Stack)	List I	10.44

(3) Sum the impacts from each emission point/emission point group to determine a total short-term off-property impact (Total GLC_{MAX}) for the new or existing air contaminant.

(4) Compare the total short-term off-property impact to the short-term ESL for the air contaminant as shown below to determine if it is less than or equal to the ESL. If the total off-property impact exceeds the short-term ESL, then a permit amendment is required to authorize the emission rate for the air contaminant.

Total $GLC_{MAX} \leq ESL_{SHORT}$

Where:

Total GLC_{MAX} = The sum of the short-term GLCs from each emission point.

ESL_{SHORT} = The short-term ESL of the new or existing air contaminant from the most current set of ESLs available through the TCEQ Toxicity Factor Database and the date of the database retrieval or as specifically derived by the TCEQ Toxicology Division. The ESL shall be obtained in writing prior to the use of the new or increased air contaminant.

H. For all other new air contaminants or increases in existing air contaminants, the following procedure shall be completed to determine if the annual impacts are acceptable.

(1) Determine the annual emission rate (tpy) of each air contaminant including emissions of the same air contaminant (if an existing air contaminant) from the currently authorized materials that may be emitted at the same time from each emission point.

(2) Convert the annual emission rate to an hourly emission rate using 8760 hours per year and 2000 pounds per ton.

(3) Multiply the hourly emission rate (lb/hr) of the air contaminant determined in paragraph H(2) of this special condition by the unit impact multiplier for each emission point from the table provided in paragraph G(2) of this special condition to determine the off-property impact GLC_{MAX} for each emission point.

(4) Sum the impacts from each emission point to determine a total off-property impact (Total GLC_{MAX}) for the new or existing air contaminant.

(5) Multiply the total off-property impact (Total GLC_{MAX}) determined in paragraph H(4) of this special condition by 0.08 to determine the annual off-property impact (Annual GLC_{MAX}) for the new or existing air contaminant.

(6) Compare the annual off-property impact to the annual ESL for the air contaminant as shown below to determine if it is less than or equal to the ESL. If the annual off-property impact exceeds the annual ESL, then a permit amendment is required to authorize the emission rates for the air contaminant.

Annual $GLC_{MAX} \leq ESL_{ANNUAL}$

Where:

ESL_{ANNUAL} = The annual ESL of the new or existing air contaminant from the most current set of ESLs available through the TCEQ Toxicity Factor Database or as specifically derived by the TCEQ Toxicology Division.

I. Compounds with acceptable short-term and long-term impacts (as defined in paragraphs G and H above) shall be added to the appropriate list as outlined in in the table found in G(2) of this condition with their corresponding maximum number of containers (or equivalent volume).

J. The short-term or annual emission rates from new or existing air contaminants shall not cause any increases in the short-term or annual emission rates as listed on the maximum allowable emission rates table (MAERT).

14. Mixtures may be handled at this facility as long as each component in the mixture is authorized under the approved chemical lists of this permit, meets the requirements of an applicable TCEQ permit by rule and/or each component meets the requirements of the Material Usage Flexibility conditions.

15. Vapors from container cleaning where the immediate past service was a chemical compound appearing on List I or II shall be collected and vented to the appropriate control device using a vacuum-assisted exhaust system. The vacuum-assisted exhaust system shall also be used to collect displaced vapors from the bulk transfer operations and route them to the flare for List I and List III compounds, and to the CAS for List II compounds.

    A. The vacuum-assisted exhaust system shall maintain a negative pressure of at least two inches of water column during all container cleaning and bulk transfer operations for which the system is required.

    B. A vacuum gage shall be installed on the suction side of the exhaust system to verify the vacuum.

    C. Should the vacuum system stop functioning, all container cleaning involving List I and List II compounds and all bulk transfer operations shall cease and repairs shall be completed before resuming operations.

16. Railcars shall not be washed at this facility.

17. The holder of this permit shall install and maintain a vapor suppression system in the Cleaning Area (EPN CL-1) designed to minimize emissions of odorous compounds that may be released during cleaning.

18. Fuel for the flare shall be limited to pipeline-quality, sweet natural gas as provided by the gas distributor.

Compound Handling Methods

19. List I contains the non-halogenated chemical compounds that this facility is authorized to receive for controlled cleaning, degassing, and bulk transfer. Emissions of these compounds shall be vented to the flare for the duration of the internal cleaning process or bulk transfer operation. At no time shall vapors be vented to the atmosphere prior to completion of the internal cleaning process or bulk transfer operation. The cleaning, degassing, or transfer of these compounds is limited to the number of containers or equivalent volumes specified in the approved list. Prior to internal cleaning, liquid residues (heels) may be drained into drum-size or smaller containers. These containers shall be covered and sealed when actual heeling operations are not occurring.

    List I compounds whose vapor pressures exceed 14.7 pounds per square inch, absolute (psia) require initial depressurization to the flare prior to cleaning and/or degassing. The initial depressurization shall be at a controlled rate, not to exceed 80 standard cubic feet per minute (scfm), except when depressurizing trimethylamine containers. The initial depressurization of trimethylamine shall be at a controlled and constant rate not to exceed 13 scfm.

20. List II contains the halogenated chemical compounds that this facility is authorized to receive. Emissions of these compounds shall be routed to the CAS during internal cleaning, degassing, or bulk transfer operations. The CAS shall be operated as described in Special Condition No. 9 above. The cleaning or transfer of these chemicals is limited to the number of containers or equivalent volumes specified in the approved list. Prior to internal cleaning, liquid residues (heels) shall be drained into drum-size or smaller containers. These containers shall be covered and sealed when actual heeling operations are not occurring.

21. List III contains those compounds that this facility is authorized to clean without emission controls. All bulk transfer emissions involving List III compounds must be controlled by the flare for the

duration of the transfer operation. The cleaning or transfer of these compounds is limited to the number of containers or equivalent volumes specified in the approved list. Prior to internal cleaning, liquid residues (heels) shall be drained into drum-size or smaller containers. These containers shall be covered and sealed when actual heeling operations are not occurring.

Recordkeeping

22. For the purpose of assuring compliance with the conditions of this permit, the permit holder shall maintain the following records for all containers cleaned at this facility:

A. Container type and capacity in gallons.

B. Compound name.

C. Time and date that internal cleaning operations on the container started.

D. Control device used.

E. For chemical compounds listed in List II (halogenated compounds), the maximum VOC concentration recorded by the CEMS while this container was being cleaned.

F. Estimated VOC emissions in pounds from that container using the appropriate equation shown below.

G. The following equation should be used to calculate the emissions after controls for List I (non-halogenated) compounds:

E = 0.0000227 x C.S. x V.P. x M.W. x 0.02

The following equation should be used to calculate the uncontrolled emissions for List III compounds:

E = 0.0000227 x C.S. x V.P. x M.W.

The following equation should be used to calculate the controlled emissions for List II (halogenated) compounds:

E = [(14.7 - V.P.)/14.7] x M.W. x (B.T./1000000) x (4550 scfh/379.5)

where:

E = VOC emissions in pounds for this container

C.= size of the container in gallons

M.= molecular weight

V.= vapor pressure at 100°F in psia

B.= breakthrough in ppm for that compound (halogenated compounds only) as listed in List II.

H. These records shall be made available to representatives of the TCEQ and local programs upon request and shall be retained for at least two years following the date that the data is obtained.

23. The holder of this permit shall maintain up-to-date and readily accessible records of all chemicals approved for handling under Special Condition No. 13 or Permit-By-Rule. These records shall include emission calculations and sufficient documentation to demonstrate compliance with the

criteria for authorization. Compliance with this condition is no substitute for compliance with the applicable notification and recordkeeping requirements specified in 30 TAC Chapter 106.

24. For purposes of assuring compliance with VOC emission limitations, the holder of this permit shall maintain a monthly emissions record for this facility. The record shall include total tons of VOC emissions including controls for the previous month and year-to-date. This record shall be maintained at the plant site for at least two years and be made available to representatives of the TCEQ upon request.

Date: October 16, 2024

Approved Chemical List I

Location – Flare Stack FL-1
Controlled
Flare (EPN FL-1)

Product	Molecular Weight (lb/lb-mole)	Vapor Pressure (psia)	Maximum Authorized Containers Per Hour	Equivalent Volume (1000 gallons)
(1-Adamantyl) Trimethyl Ammonium Hydroxide 20%	211.4	0.668	1	8
(2-(1,3-Dihydro-3-oxo-2H-indazol-2-ylidene)-1,2-dihydro-3H-indol-3-one); Indigo Blue Dye	262.27	1.7E-07	2	16
1,3,5-Trimethylhexahydro-1,3,5-triazine	129.00	0.0800	2	16
1,4-Butanediol Diglycidyl Ether	202	0.29	2	16
1,4-Dimethylpiperazine	114.19	0.44	2	16
1-butanol, titanium 94+) salt (tetrabutyl orthotitanate)	340.33	0.0001	2	16
1-Hydroxy-2-methyl-3-Pentanone	116.16	0.005	2	16
1-Propene Hydroformylation Product (OXO-Oil 740)	200	0.193	2	16
2,4-D 2-Ethylhexyl ester	333	0.0696	2	16
2-amino-2-Methyl-1-Propanol	89.1	0.10	2	16
2-Cyanopyridine	104.11	0.0194	2	16
2-ethyl Hexyl Mercaptoacetate	204.3	0.0002	2	16
2-ethylhex-2-enal	126	0.045	2	16
2-ethylhexylamine	129.2	0.023	2	16
2-Methyl-3-Butenenitrile	81	0.464	2	16
2-Methylbutyric Acid	102	0.02	2	16
2-Methyltetrahydrofuran	86.13	2.5	1	8
3-(Methylthio) Propionaldehyde	104.17	0.23	2	16
3,3,5-Trimethylcyclohexan-1-one	140.2	0.0461	2	16
3,4-Dihydro-2-methoxypyran	114	0.29	2	16
3a,4,7.7a-Tetrahydroindene	120.2	0.2000	2	16
3-Methyl-3-Penten-2-One	98	0.3365	2	16
3-methyl-6-butyl-meta-cresol (Mbmc)	164.2	0.02	2	16
4,4-Methylenediamine	114	0.015	1	8
4-aminomethyl-1,8-octanediamine	173.3	0.0006	2	16
4-Isopropenyl-1-methlcyclohexene	136	0.1	2	16
4-Isopropylmorpholine	129.2	0.1	2	16
4-Methylcyclohexanemethanol	128	2.00	1	8
4-Methylmorpholine	101	0.7582	2	16

4-Pentenenitrile	81.00	0.4000	2	16
4-tert-butylcatechol	162.3	0.002	2	16
5-Ethylidene-2-norbornene	120.2	0.138	5	40
9-eicosyl-9-phosphabicyclo(3.3.1)nonane	422	0.026	2	16
Acetal	118.117	0.81	5	40
Acetaldehyde	44.054	19.85	3	24
Acetaldoxime	59.1	0.25	5	40
Acetic Acid	60.053	0.37	5	40
Acetic Anhydride	102.091	0.13	5	40
Acetone	58.081	5.17	5	40
Acetonitrile	41.052	1.97	5	40
Acrylamide	18.005	0.231	1	8
Acrylic Acid	72.06	0.31	5	40
Acrylonitrile	53.064	2.48	5	40
AERO 3302 Promoter (Xanthate ester and Pentanol (Pentyl Alcohol))	177.3	0.0542	2	16
AL-340 (Long Chain Alkaryl Hydrocarbon)	380	0.005	2	16
A-Lactone (A-Lactone (Acetylbutyrolactone))	128	0.232	2	16
Alcotex 552 P (Polyvinyl Alcohol/Polyvinyl Acetate Copolymer)	10000	0.0001	2	16
Alkylate	114.233	1.13	5	40
Allyl Acetate	100.117	0.81	5	40
Allyl Alcohol	58.09	0.62	5	40
Allyl Glycidyl Ether	114.16	0.135	5	40
Allylamine	57.095	5.43	1	8
Allylisothiocyanate	99.2	0.12	5	40
Alpha 160 Biocide Solution (Tetrakishydroxymethyl Phosphonium Sulfate in water)	406.3	0.01	2	16
Amine C8 (Huntsman) (Ethanol,2,2"-oxy bis-reaction product with ammonia, morpholine derivs.)	400	0.03	2	16
Amine/Aldehyde Condensate	145.25	0.0322	2	16
Ammonium Hydroxide	35.046	47.1	5	40
Ammonium Polysulfide Solution	100	4.26	2	16
Amyl Acetate, Sec	130.188	0.15	5	40
Amyl Methyl Ether-T	102.2	2.69	1	8
Anhydrous Ammonia	17.03	206.46	5	40
Anisidine, O- (A.k.a. = O-methoxyaniline)	123.2	0.002	5	40
Anisole	108.1	0.09	5	40

Antioxidant No. 22 (N,N-Di-Sec-Butyl-P-Phenylenediamine)	220.4	0.193	2	16
Aromatic Concentrate	80	0.98	5	40
Aviation Fuel (100 Octane)	66	11	5	40
Baker Petrolite Tretolite DMO484X Demulsifier (Ammonium Alkylaryl Sulfate, Acetic Acid, Light Aromatic Naphtha, 1,2,4-Trimethylbenzene, 2-2-Ethylhexanol, 1,3,5-Trimethylbenzene, and Isopropanol)	64.1	0.1674	2	16
BASF DICARBONSAEURE LOESUNG A BER. TROCKEN (mixture of carboxylic acids and aliphatic dicarboxylic acids in water) 6-Hydroxyhexanoic acid and Glutaric acid (as Carboxylic Acid)	146.1	0.0378	2	16
Benzaldehyde	106.1	0.03	5	40
Benzene	78.115	2.16	3	24
Benzenethiol	110.18	0.05	5	40
Benzothiophene	134.2	0.01	5	40
Bibasic Esters (Dimethyl Adipate, Dimethyl Glutarate, and Dimethyl Succinate)	158.1	0.0451	2	16
Bicyclohexyl (Dicyclohexyl)	166.3	0.0045	5	40
Biphenyl	154.2	0.0017	5	40
Bisaminoethyl ether	104.2	0.07	2	16
BPB 59371 Bisulfite solution (Sodium Bisulfite and Water)	104.1	1.8142	2	16
BPB 59435 (Alkyl Ether Amine, Cyclohexylamine, Isobutanolamine and Water)	440	0.0497	2	16
BPR34160 (Alkylarylsulfonate amine salt, Naptha, Trimethylbenzenes, and Xylene)	345	0.4802	2	16
BPW 76910 (Kerosene, Naphthalene, Lauric Acid, Petroleum Distillate, Ethoxylated Octylphenol and Fatty acid ester)	90	5.729	2	16
BSM Distillation Bottoms (2-Hydroxyethyl acrylate, Acetic Acid, Dimethylamine, Iron Carboxylate, Dimethylformamide, MEHQ, Copper(II) Di-n-butyl dithiocarbarnate, water, and Salicylic Acid)	138.1	0.0021	2	16
Butadiene, 1,3	54.092	45.36	1	8
Butaldehyde	72.12	2.55	5	40
Butane	58.124	39.27	5	40
Butanethiol, 1	90.19	1.05	1	8
Butanone, 2	72.108	2.15	5	40
Butene (Cis), 2	56.108	34.7	5	40
Butene (Trans), 2	56.108	37.88	5	40

Butene, 1	56.108	47.97	5	40
Butyl Acetate, 2	116.161	0.56	5	40
Butyl Acetate, Sec	116.16	0.56	5	40
Butyl Acetate, Tert	116.16	1.07	5	40
Butyl Acrylate	128.2	0.16	5	40
Butyl Alcohol, Tert	74.123	1.02	5	40
Butyl Amine, Sec	73.14	3.91	5	40
Butyl Amine, Tert	73.14	8.21	1	8
Butyl Butyrate	144	0.4	2	16
Butyl Cyclohexl Acetate (Para Tertiary)	198.3	0.012	2	16
Butyl Ether	130.2	0.17	5	40
Butyl Ether, Sec	130.232	0.54	5	40
Butyl Ether, Tert	130.232	0.75	5	40
Butyl Ethyl Ether	102.177	1.18	5	40
Butyl Ethyl Sulfide	118.2	0.15	5	40
Butyl ethylbenzene (tert-)	162	0.25	1	8
Butyl Formate	102.134	0.69	5	40
Butyl Formate, Sec	102.13	1.1	5	40
Butyl Isocyanate	99.133	0.41	1	8
Butyl Methyl Sulfide	88.21	0.38	5	40
Butyl N-butyrate	144.21	0.04	5	40
Butyl Octyl Tri Glycol (5,8,11,14-Tetraoxadocosan)	318	0.29	2	16
Butyl Propionate	130.2	0.11	5	40
Butyl Vinyl Ether	100.161	1.12	5	40
Butylamine	73.14	2.1	5	40
Butyltin Carboxylate	631.55	0.00001	2	16
Butyltin Mercaptide	639.56	0.00001	2	16
Butyne, 2	54.092	15.58	5	40
Butyric Acid	88.1	0.02	5	40
Butyronitrile	69.108	0.46	5	40
C10-C16 Alcohols	194	0.0008	1	8
C11 Ketones (Mixture of saturated and unsaturated linear and cyclic ketones)	220	0.025	2	16
Camphene	136.24	0.12	2	16
Carbon Disulfide	76.27	9.08	1	8
Catalyst Naphtha	65	0.98	5	40
CEC-RF-86-A-96 Batch 2,4 (Naptha (Petroleum), catalytic reformed and Naptha (Petroleum) light catalytic cracked)	82.5	4.85	1	8

Chemphos TC-203M (Phosphated, Ethoxylated Nonly Phenol and Ethoxylated Nonyl Phenol)	32	2.0197	2	16
Chloroaniline, 2	127.6	0.01	5	40
Cineole, 1,8	154.3	0.05	5	40
Coal Tar Distillate	360	0.019	2	16
Cobalt Carboxylate Mixture	99.7561	0.0552	2	16
Cobalt dioctanoate	345.00	0.0010	2	16
Creosote	130	0.26	1	8
Cresol, m	108.14	0.01	5	40
Cresol, o	108.13	0.012	5	40
Cresol, p	108.13	0.01	5	40
Cresylic Acid	108.14	0.01	5	40
Croton Oil	175	0.02	5	40
Crotonaldehyde	70.9	0.87	5	40
Crotonitrile (Trans)	67.1	0.4	5	40
Crude Biphenyl	127	0.75	1	8
Crude Oil	50	4.25	5	40
Crude Oil Condensates	50	4.25	5	40
Crude Oil Rvp 5	50	4.25	5	40
Crude XTA 795 (1,3-cyclohexanebis(methylamine), Heptane, and Methylcyclohexane)	99.7	0.1476	1	8
CRW 9170 Corrosion Inhibitor (Methanol, Amine Derivative, Polycarboxilic Acid, Sulfur Compound, Isopropanol, Haevy Aromaqtic Naphtha, Naphthalene, and Quaternary Ammonium Compound)	33.4	2.2162	2	16
Cyanogen	52.036	92.36	1	8
Cyclobutene	54.092	35.84	5	40
Cyclododecatrene	162.3	0.002	2	16
Cycloheptane	98.198	0.51	5	40
Cycloheptatriene, 1,3,5	92.141	0.55	5	40
Cyclohexane	84162	2.21	5	40
Cyclohexene	82.147	2.02	5	40
Cyclohexyl Isocyanate	125.2	0.03	5	40
Cyclohexylamine	99.2	0.32	5	40
Cyclooctadiene	108.2	0.239	2	16
Cyclooctene (Cis-)	110.2	0.174	2	16
Cyclopentadiene	66.103	9.51	5	40
Cyclopentane	70.135	7.05	5	40
Cyclopentene	68.114	8.42	5	40

Cyclopropane	42.081	115.45	5	40
Cymene, m	134.2	0.04	5	40
Cymene, o	134.2	0.04	5	40
Decahydronaphthalene	138.2	0.436	2	16
Decahydronaphthalene (Cis)	138.3	0.02	5	40
Decene	140	0.05	5	40
Decene, 1	140.3	0.04	5	40
Decyne, 1	138.3	0.04	5	40
Dialkylmethylamine	255.486	0.045	2	16
Diallyl Maleate	196.2	0.0002	5	40
Diallylamine (Di-2-propenylamine)	97.2	0.3899	2	16
Dibutylamine	129.2	0.3	5	40
Dicyclopentadiene	132.21	0.05	5	40
Diethyl Disulfide	122.3	0.1	5	40
Diethyl Ethanolamine	117.19	0.03	5	40
Diethyl Ketone (3-Pentanone)	86.1	0.542	2	16
Diethyl Sulfate	154.19	0.01	5	40
Diethyl Sulfite	138.2	0.06	5	40
Diethylamine	73.14	5.31	5	40
Diethylaminoethanol	117.00	0.1200	1	8
Diethylaminoethoxyethanol (Diethylaminoethoxyethanol)	161	0.031	1	8
Diethylaminopropylamine (Dmapa)	102	0.213	5	40
Dihydrofuran, 2,5	70.091	3.54	5	40
Diisobutylamine	129.25	0.17	5	40
Diisobutylene	112.22	1.08	5	40
Diisopropylamine	101.192	1.77	5	40
Dimethoxyethane, 1,2	90.122	1.73	5	40
Dimethyl 1 Butene, 2,3	84.162	9.62	5	40
Dimethyl 1 Butene, 3,3	84.162	9.49	5	40
Dimethyl 1 Propanol, 2,2	88.2	0.09	5	40
Dimethyl 1,1-Cyclopentanedicarboxylate	158.2	0.2	1	8
Dimethyl 2 Butene, 2,3	84.162	2.83	5	40
Dimethyl Aniline	121.182	0.02	5	40
Dimethyl Butane, 2,2	86.178	7.06	5	40
Dimethyl Butane, 2,3	86.178	5.23	5	40
Dimethyl Cyclohexane (Cis), 1,3	112.216	0.5	5	40
Dimethyl Cyclohexane (Trans), 1,4	112.216	0.53	5	40
Dimethyl Cyclohexane, 1,1	112.208	0.53	5	40
Dimethyl Cyclopentane (Cis), 1,2	98.189	1.08	5	40

Dimethyl Cyclopentane (Cis), 1,3	98.189	1.53	5	40
Dimethyl Cyclopentane (Trans), 1,2	98.189	1.46	5	40
Dimethyl Cyclopentane (Trans), 1,3	98.189	1.47	5	40
Dimethyl Cyclopentane, 1,1	98.122	1.72	5	40
Dimethyl Disulfide	94.202	0.66	5	40
Dimethyl Ethanolamine	89.1	0.15	5	40
Dimethyl Ether	46.069	94.6	5	40
Dimethyl Hexane 2,2	114.224	0.79	5	40
Dimethyl Hexane, 2,3	114.232	0.5501	5	40
Dimethyl Hexane, 2,4	114.232	0.67	5	40
Dimethyl Hexane, 2,5	114.232	0.71	5	40
Dimethyl Hexane, 3,3	114.232	0.66	5	40
Dimethyl Hexane, 3,4	114.232	0.5	5	40
Dimethyl maleate	144.1	0.0058	2	16
Dimethyl Pentane, 2,2	100.198	2.38	5	40
Dimethyl Pentane, 2,3	100.205	1.57	5	40
Dimethyl Pentane, 2,4	100.205	2.23	5	40
Dimethyl Pentane, 3,3	100.205	1.88	5	40
Dimethyl Pyridine, 2,6	107.2	0.13	5	40
Dimethyl Sulfate	126.133	0.02	5	40
Dimethylamine	45.086	32.17	3	24
Dimethylaminoethanol (Dimethylaminoethanol and Water)	89.1	0.292	2	16
Dimethylisopropanolamine (N,N-)	103.00	0.5520	2	16
Dimethyl-n-butylamine (N,N-)	101	2.074	1	8
Dimethyltin bis(2-ethylhexyl mercaptoacetate)	555.4	0.0001	2	16
Di-n-butyl Fumarate (2-butenediotic Acid, Dibutylester)	228.3	0.008	2	16
Dioctyl Sebacate (DOS) (Dioctyl Sebacate)	426.7	0.019	2	16
Dioxane, 1,4	88.107	0.92	5	40
Diphenyl Ether	170.2	0.0022	5	40
Diphenyl Methane (Benzyl Benzene)	168	0.01	5	40
Diphenyl Oxide	170.2	0.0022	5	40
Dipropyl Ether	102.178	1.59	5	40
Dipropylamine	101.192	0.47	5	40
Dipropylene Glycol monobutyl Ether	190	0.07	2	16
Di-Tertiary Butyl Polysulfide	242.5	0.0014	1	8
Di-Tertiary Dodecyl Polysulfide	499	0.0145	1	8
Ditridecyl Adepate	511.00	0.0019	2	16

Ditridecylamine Isomerengemisch (Ditridecylamine (Tridecanamine))	381	0.0145	2	16
Divinyl Ether	70.091	14.7	5	40
Dripolene	78	2.16	5	40
Duraphos (Dibutyl Hydrogen Phosphite)	178.5	0.021	5	40
DYTEK (3-AMINOPENTENENITRILE (as Pentenenitrile), 3-AMINO-2-METHYLBUTANENITRILE (as Butyronitrile), 3-PENTENENITRILE, and 3-PENTENENITRILE)	81.1	0.0059	2	16
DYTEK (3-Pentenenitrile, Cis-2-methyl-2-butenenitrile, 4-Pentenenitrile, 2-methyl-3-butenenitrile and Methyl glutaronitrile)	81.4	0.0428	2	16
Dytek Crude DCH (mixture 1,2-Diaminocyclohexane, Hexamethylenediamine, and Hexamethyleneimine)	104.6	0.0339	2	16
EMKARATE 1090 (Diisodecyl Adipate)	426.7	0.0019	2	16
ENJ-3912C (N-coco Alkyl-2,2-iminobis-ethanol/isopropanol)	60.199	1.0331	5	40
Epikure Curing Agent (Alkyl Ether Amine and Polyethyleneamine)	597.6	0.0118	2	16
Epoxy Butane, 1,2	72.107	3.9901	5	40
Ethanediamene, 1,2	60.1	0.2901	5	40
Ethanol, 2 (2 Methoxyethoxy)	120.1	0.36	5	40
Ethyl 1 Butene, 2	84.162	3.94	5	40
Ethyl 1 Hexene, 2	112.2	0.46	5	40
Ethyl 2 Methyl Pentane, 3	114.232	0.56	5	40
Ethyl 3 Methyl Pentane, 3	114.2321	0.53	5	40
Ethyl 3-Ethoxypropanate	146	0.07	2	16
Ethyl Acetate	88.107	2.17	5	40
Ethyl Acrylate	100.13	1.07	1	8
Ethyl Acrylonitrile, a	81.119	0.65	5	40
Ethyl Alcohol	46.07	1.42	5	40
Ethyl Aniline, o	121.2	0.01	5	40
Ethyl Butyrate	116.2	0.4	5	40
Ethyl Cyclopentane	98.18	0.92	5	40
Ethyl Diproxitol (Dipropylene glycol ethyl ether)	162.2	0.0100	2	16
Ethyl Ether	74.124	11.82	5	40
Ethyl Formate	74.08	5.72	5	40
Ethyl Hydrogen Maleate	145	0.061	2	16

Ethyl Isobutyrate	116.1601	0.59013	5	40
Ethyl Isovalerate	130.2	0.06	5	40
Ethyl Methacrylate	114.14	0.57	5	40
Ethyl Methyl Ether	60.097	31.89	5	40
Ethyl Methyl Sulfide	76.163	3.61	3	24
Ethyl Nitrate	91.07	1.47	5	40
Ethyl Pentane	100.204	1.31	5	40
Ethyl Pentane, 3	100.204	1.31	5	40
Ethyl Propionate	102.134	0.87	5	40
Ethyl Propyl Ether	88.15	4.01	5	40
Ethyl Propyl Sulfide	104.2	0.4501	5	40
Ethyl Sulfide	90.19	1.34	2	16
Ethyl Tert Butyl Ether	102.18	2.5500	1	8
Ethyl Vinyl Ether	72.107	11.24	5	40
Ethylamine	45.086	23.52	5	40
Ethylamine, 70%	45.09	25.01	5	40
Ethylene Diamine	60.1	0.29	5	40
Ethylene Glycol Monoethyl Ether	90.12	0.14	5	40
Ethyleneamine Mixture (Higher Ethyleneamines, Diethylene Triamine, Tetraethylenepentamine, and Pentaethylenehexamine)	132.9	0.0097	2	16
Ethylidenenorbornene	120	0.178	1	8
Experimental Lignin Phenolic - Eptd	212	1.5	2	16
EXXSOL D40 (Petroleum Distillates)	143	0.078	2	16
EXXSOL D60 Fluid (Petroleum Distillates)	155	0.04	2	16
FOA-6 Fuel Oil Additive (Amines and Kerosene)	197.8	0.2596	2	16
FOE Hydroxy Fluessig (N-(4-Fluorophenyl)-2-hydroxy-N-(1-methylethyl) acetamide and Toluene)	363	0.0718	2	16
Formic Acid	46.026	0.98	5	40
Furaldehyde, 2	96.1	0.04	5	40
Furan	68.076	13.27	5	40
Furfural	96.086	0.08	5	40
Gas Blend Stocks	99	0.98	5	40
Gasoline	66	7.88	5	40
Gasoline Additives	60	9	5	40
Gasoline Rvp 10	66	7.88	5	40
Gasoline Rvp 13	62	10.49	5	40
Gasoline Rvp 7	68	5.5	5	40

Glutaraldehyde (Pentanedial, 1,5-)	100.13	0.36	5	40
Glycidyl Methacrylate	142.2	0.0241	2	16
Glycolic Acid	76.1	0.22	5	40
Glyoxal	58.037	5.76	4	32
Greenburn 2001 HF (Methylcyclopentadienyl Maganese Tricarbonyl)	218.1	0.0009	2	16
Halothane	197.382	6.65	2	16
Hamp-ene (R) 100 (Ethylenediamine Tetra-acetic Acid Sodium Salt/water)	18	0.287	5	40
Heavy Polyamine X (Hexahydro-1,3,5-Tris(Hydroxyethyl)-S-Triazine and Pentathylenehexamine)	260.5	0.029	1	8
Heptanal	114.2	0.21	5	40
Heptane	100.206	1.05	5	40
Heptanethiol, 1	132.271	0.03	5	40
Heptanone, 2	114.19	0.08	5	40
Heptene (Cis), 2	98.19	1.07	5	40
Heptene (Cis), 3	98.19	1.19	5	40
Heptene (Trans), 2	98.19	1.09	5	40
Heptene (Trans), 3	98.19	1.2	5	40
Heptene, 1	98.19	1.29	5	40
Hexahydrophthalic Anhydride	154.20	0.0021	2	16
Hexamethylene Diamine	116.21	0.01	5	40
Hexamethylene Diisocyanate	168.1	1E-06	5	40
Hexamethyleneimine	99.2	0.19	5	40
Hexane	86.178	3.41	5	40
Hexane (Cis), 2	84.162	3.38	5	40
Hexanediol Diglycidyl Ether (1,6-)	230.00	0.0194	2	16
Hexanenitrile	97.6	0.07	5	40
Hexanethiol, 1	118.244	0.1	5	40
Hexanol, 2	102.2	0.07	5	40
Hexanol, 3	102.2	0.12	5	40
Hexanone	100.16	0.1	5	40
Hexanone, 2	100.16	0.1	5	40
Hexene (Cis), 3	74.082	3.71	5	40
Hexene (Trans), 2	84.162	3.5	5	40
Hexene (Trans), 3	84.162	3.59	5	40
Hexene, 1	84.16	4.17	5	40
Hexyl Acetate	144.2	0.03	5	40
Hexyl Alcohol	102.2	0.02	5	40

Hexyl Salicylate	222.28	0.0080	2	16
Hexylamine	101.2	0.21	5	40
Hexyne, 1	82.146	3.07	5	40
High Purity Isoprene	68.119	11.8	1	8
Hitec Octane Booster (Methycyclopentadiemyl Manganese Tricarbonyl, Heptane, Xylene, and Ethylbenzene)	86.5	1.0224	1	8
Hydrazine 64% (Aqueous Solution)	24.6	0.286	1	8
Hydrazine acetate	92.2	0.5	1	8
Hydrite Mbs 4010 Solution (Magnesium Bisulfite)	186.11	0.0001	1	8
Hydrogen Iodide	127.912	125.48	1	8
Hydrogen Peroxide (60% Aqueous Solution)	34.01	0.026	5	40
Hydroquinone Fr (1,4-.Benzenediol)	110.1	0.02	5	40
Hydroxy Quinoline	145.2	0.002	5	40
Hydroxylamine	33	0.04	5	40
Indene	116.163	0.03	5	40
Iodo 1 Propene, 3	167.983	0.91	5	40
Iodoethane	155.972	2.9	4	32
Iodomethane	141.945	8.96	5	40
Iodopropane, 1	169.993	0.98	5	40
Iodopropane, 2	169.993	1.61	5	40
Is-7073	92.58	2.75	5	40
Isoamylene	70.14	10.36	5	40
Isobornyl Acrylate	208	0.214	5	40
Isobutane	58.124	57.37	5	40
Isobutene	56.108	49	5	40
Isobutyl Acetate	116.161	0.45	5	40
Isobutyl Acrylate	141.2	0.33	5	40
Isobutyl Acrylate	141.19	0.40014	4	32
Isobutyl Formate	102.133	0.94	5	40
Isobutyl Methacrylate	142.19	0.8	5	40
Isobutyl Propionate	130.2	0.16	5	40
Isobutylamine	73.138	3.14	5	40
Isobutyraldehyde	72.11	3.35	5	40
Isobutyric Acid	88.1	0.03	5	40
Isobutyronitrile	69.106	0.76	5	40
Isododecane	170	0.05	5	40
Isoeicosane	282	0.145	2	16
Isopar C	113	0.7136	2	16

Isopar E	118	0.3118	2	16
Isopentane	72.146	15.06	5	40
Isopentyl Nitrate	133.2	0.1	5	40
Isophorone Diisocyanate	222.32	0.0002	5	40
Isoprene	68.13	3.52	3	24
Isoprene 9550	68.119	11.8	1	8
Isopropyl Acetate	102.134	1.39	5	40
Isopropyl Alcohol	60.097	1.08	5	40
Isopropyl Ether	102.178	3.31	4	32
Isopropyl hydroxyloamine	75.11	0.0219	2	16
Isopropyl Methyl Sulfide	90.19	1.84	5	40
Isopropyl Nitrate	105.097	0.8	5	40
Isopropyl Sulfide	118.2	0.45	5	40
Isopropyl Tert Butyl Ether	116.205	1.13	5	40
Isopropyl Xanthogen Ethyl Formate	208.3	0.1450	1	8
Isopropylamine	59.11	12.74	3	24
Isoquinoline	129.2	0.0025	5	40
Isovaleric Acid	102.1	0.01	5	40
Jet Fuel (Jp-4)	80	2.04	5	40
KBE-903 (3-Aminopropyltrethoxysilane)	221.4	0.29	2	16
Kercom PIBA 03 (n-Paraffins, C5-C20 and Petroleum Distillate)	151.1	0.1173	2	16
Kling Beta 2700	500	0.001	2	16
KORE (Benzene, ethylenated by-products and Diethylbenzene)	568.5	0.0152	2	16
Lacton Spirits	150	1.18	5	40
Latex Emulsions	175	0.56	5	40
Liquid Petrolatum	150	0.03	5	40
M1734 (Quaternary Ammonium Salts in Methanol and water)	500	1.69	2	16
Maleic Anhydride	82.06	0.01	5	40
MARK 2270 (Mixture of Butyltin Mecaptide, Organotin Compound, and Butyltin Carboxylate)	552.3	0.0002	2	16
Masterline Kontrol 4 (Permethrin, Petroleum Distillate, and Piperonyl Butoxide)	90	7.8083	1	8
MCP 147B (Poly Butenyl Succinimide)	1500	0.0193	2	16
Mesityl Oxide	98.1501	0.26	5	40
Metam Potassium	145.29	0.00003	2	16
Metam Sodium	129	0.02	5	40

Methacrolein	70.1	3.39	1	8
Methacrylic Acid	86.09	2.27	5	40
Methoxypropylacetate	132.2	0.075	2	16
Methyl 1 Butanol, 2	88.2	0.08	5	40
Methyl 1 Butanol, 3	88.2	0.06	5	40
Methyl 1 Butene, 2	70.135	13.41	5	40
Methyl 1 Butene, 3	70.135	19.66	5	40
Methyl 1 Butyne, 3	68.119	15.92	5	40
Methyl 1 Pentene, 2	86.162	4.38	5	40
Methyl 1 Pentene, 3	84.162	5.99	5	40
Methyl 1 Pentene, 4	84.162	6.02	5	40
Methyl 1 Propanethiol	90.19	1.59	4	32
Methyl 1,2 Butadiene, 3	68.119	9.44	5	40
Methyl 1,3 Butadiene, 2	68.119	11.8	5	40
Methyl 2 Butanethiol, 2	104.217	1.1	5	40
Methyl 2 Butanol, 2	88.2	0.24	5	40
Methyl 2 Butanol, 3	88.2	0.22	5	40
Methyl 2 Butanone, 3	86.14	0.72	5	40
Methyl 2 Butenal, 2	84.13	0.52	5	40
Methyl 2 Butene, 2	70.13	10.36	5	40
Methyl 2 Heptene, 2	112.2	0.4	5	40
Methyl 2 Hexanone, 5	114.2	0.1201	5	40
Methyl 2 Pentanol, 2	102.2	0.23	5	40
Methyl 2 Pentanol, 4	102.178	0.16	5	40
Methyl 2 Pentene (Cis), 3	84.162	3.54	5	40
Methyl 2 Pentene (Cis), 4	84.162	5.44	5	40
Methyl 2 Pentene (Trans), 3	84.162	3.15	5	40
Methyl 2 Pentene (Trans), 4	84.162	4.98	5	40
Methyl 2 Pentene, 2	84.162	3.55	5	40
Methyl 2 Propanethiol, 2	90.2	4.07	1	8
Methyl 2-hydroxyisobutyate	118	0.07	2	16
Methyl 3 Ethyl Pentane, 2	114.231	0.55	5	40
Methyl 3 Ethyl Pentane, 3	114.223	0.53	5	40
Methyl Acetate	74.08	4.89	5	40
Methyl Acrylate	86.09	2.27	5	40
Methyl Alcohol	32.04	2.91	5	40
Methyl Amyl Acetate	144.2	0.12	5	40
Methyl Aniline	107.155	0.01	5	40
Methyl Butyrate	102.13	0.78	5	40

Methyl Butyric Acid, 2	102.1	0.01	5	40
Methyl Cellosolve	76.1	0.15	5	40
Methyl Cellosolve Solvent	76.1	0.15	5	40
Methyl Chloroacetate	108.5	0.18	5	40
Methyl Cyclohexane	98.19	1.06	5	40
Methyl Cyclohexylamine	113.2	0.1	5	40
Methyl Cyclopentadiene Dimer	160.3	0.4439	2	16
Methyl Cyclopentane	84.162	3.1	5	40
Methyl Cyclopentane, 1	82.146	2.66	5	40
Methyl Cyclopentane, 4	82.146	2.71	5	40
Methyl Cyclopentene, 3	82.146	3.96	5	40
Methyl Ethyl Carbamate	103.1	0.02	5	40
Methyl Formate	60.053	13.46	5	40
Methyl Hexane	100.21	1.51	5	40
Methyl Hexane, 2	100.21	1.51	5	40
Methyl Hexane, 3	100.21	1.41	5	40
Methyl Isoamyl Ketone	114.19	0.13	5	40
Methyl Isobutanethiol	102.13	1.11	5	40
Methyl Isopropyl Ether	74.124	13.54	5	40
Methyl Isopropyl Ketone	86.134	1.18	5	40
Methyl Isovalerate	116.2	0.43	5	40
Methyl Methacrylate	100.1	1.07	5	40
Methyl Methoxyacetate	104.1	0.3694	2	16
Methyl Morpholine	101.15	0.52	5	40
Methyl Pentaldehyde, 2	100.2	0.43	5	40
Methyl Pentane	86.178	4.63	5	40
Methyl Pentane, 2	86.178	4.63	5	40
Methyl Pentane, 3	86.18	4.25	5	40
Methyl Pentyl Sulfide	118.2	0.23	5	40
Methyl Piperazine	100.2	0.16	5	40
Methyl Piperidine	99.17	0.749	2	16
Methyl Propanol, 2	74.124	1.02	5	40
Methyl Propionate	88.11	1.92	5	40
Methyl Propyl Ether	74.12	10.12	5	40
Methyl Propyl Sulfide	90.19	1.17	5	40
Methyl Pyridine, 2	93.1	0.24	5	40
Methyl Pyridine, 3	93.1	0.15	5	40
Methyl Pyridine, 4	93.1	0.14	5	40
Methyl Pyrrolidine	85.149	2.25	5	40

Methyl Quinoline, 2	143.2	0.0023	5	40
Methyl Tertiary Butyl Ether	88.15	4.9	5	40
Methyl Thiocyanate	73.1	0.28	5	40
Methyl Thiophene, 2	98.169	0.58	5	40
Methyl Thiophene, 3	98.169	0.52	5	40
Methyl Vinyl Acetate	100.12	0.92	5	40
Methyl Vinyl Ether	58.08	33.68	5	40
Methyl Vinyl Ketone	198	2.07	5	40
Methylacrylonitrile	67.091	1.42	5	40
Methylal	76.095	8.81	5	40
Methylamine (Monomethylamine/water)	29.927	17.083	3	24
Methyltin tris(2-ethylhexyl mercaptoacetate)	743.68	0.00001	2	16
Molex GE-924	250.00	0.0194	2	16
Morpholine	87.122	0.24	5	40
Mp Bach (M- Phenoxybenzaldehyde)	148.05	0.16	2	16
Mpbach (Mixture of M-phenoxybenzaldhyde Cyanohydrin, M-phenoxybenzaldhyde and Toluene)	225.3	0.077	2	16
M-phenylenadiamine	108.1	0.00008	2	16
Naphtha	80	0.98	5	40
Naphtha (Petroleum), Hydrotreated Light	112	2.465	1	8
Nautique (Ethylenediamine-triethanolamine-copper Complex in Water)	60.1	0.29	2	16
N-Butyl Glycidyl Ether	130	0.116	2	16
Neodecanoic acid 2,3-epoxypropyl ester	228.3	0.4	2	16
Neodene 6 (1-hexene)	84.16	4.17	5	40
Neodene 6 Alpha Olefin	84.16	4.17	5	40
Neohexane	86.178	7.06	5	40
Nickel Octoate in 10% Hexane (Nickel 2-Ethylhexanoate, 2-Ethylhexanoic Acid, and Hexane)	86	1.4025	2	16
Nitric Acid (30-70%) Solution	63	0.1867	1	8
Nitrobenzene	123.11	0.01	5	40
Nitromethane	61.04	0.82	5	40
Nitropropane, 2	89.09	0.39	5	40
Nitrothiophene, 2	129.1	0.01	5	40
N-octyl Acrylate	184.3	0.054	2	16
Non Hazardous Waste Water	18	0.9	5	40
Nonene	126.2	0.21	5	40
Nonene, 1	126.2	0.13	5	40
Norbornene (2-Norbornene)	94.20	2.5600	1	8

N-Pentyl Propionate (N-Pentyl Propionate)	144.2	0.06	2	16
O,O-dimethyl phosphoroamidothioate	141.1	0.058	1	8
Octadecenylsuccinic Anhydride	350.54	0.04	2	16
Octamethylcyclotetrasiloxane	297	0.116	2	16
Octanethiol, 1	146.298	0.01	5	40
Octene	112.2	0.41	5	40
Octene (Trans), 2	112.2	0.3801	5	40
Octene (Trans), 3	112.2	0.4	5	40
Octene (Trans), 4	112.2	0.41	5	40
Octene, 1	112.2	0.41	5	40
Octylamine	129.246	0.02	5	40
OGA 72015 (Heavy Parafinic Distillate, Light Aromatic Petroleum Naphtha Solvent, 1,2,4-Trimethylbenzene, and Xylene)	98.1	0.0888	2	16
Oga-472	380	0.02	5	40
Oil Red B4 (D50) Liquid Dye (2-Naphthalenol [(Phenylazo)Phenyl]-Azo Alkyl Derivative (Solvent Red 164 dye) and Xylene)	106.2	0.1723	2	16
Ortho-Cumidine	135.00	0.0110	2	16
Ortho-Cumidine (2-isopropylaniline)	135	0.011	2	16
Oxazole	69.063	2.99	5	40
Oxo Pentanal, 4	100.1	0.02	5	40
Paraldehyde	132.2	0.26	5	40
Patcorez P-41 (Methanol/water/inerts)	27.794	1.205	5	40
PEG200DMA (Polyethylene Glycol 200 Dimethacrylate)	330	0.1	1	8
Pentadiene (Cis), 1,3	68.11	68.11	5	40
Pentadiene (Trans), 1,3	68.11	9.09	5	40
Pentadiene, 1,2	68.119	8.16	5	40
Pentadiene, 1,4	68.119	16.1	5	40
Pentadiene, 2,3	68.119	7.14	5	40
Pentamethyldiethylenetriamine	173	0.008	2	16
Pentamethylheptane	170.34	0.54	2	16
Pentane	72.151	11.29	5	40
Pentanol, 3	88.2	0.2	5	40
Pentanone, 2	86.13	0.78	5	40
Pentene (Cis), 2	70.135	10.92	5	40
Pentene (Trans), 2	70.135	10.22	5	40
Pentene, 1	70.135	13.99	5	40
Pentyl Acetate	130.188	0.1	5	40

Pentylamine	87.165	0.69	5	40
Pentyne, 1	68.119	9.59	5	40
Pentyne, 2	68.119	5.29	5	40
Peracetic Acid	76.1	0.34	5	40
Petroleum Distillates	90	8	5	40
Petroleum Ether	70	10	5	40
Petroleum Oil	50	5.7	5	40
PF-1 (Tetrahydrodicyclopentadiene/methylcyclohexane)	108.62	0.25	2	16
Phenyl Hydrazine	108.1	0.0016	5	40
Phenyl Isocyanate	119.1	0.06	5	40
Pinene (Alpha)	136.2	0.11	5	40
Pinene (Beta)	136.2	0.07	5	40
Piperazine	86.2	0.25	5	40
Piperazine (40% in Water)	86	0.26	5	40
Piperidine	85.15	0.7	5	40
Polisol (Polybutylene (as Polybutene,-1))	168	0.7817	1	8
Polyalphaolefins (C18+)	476.00	0.0050	2	16
Polyetheramine D230 (Polyetheramine)	230	0.0145	2	16
Polyethylbenzene Residue	162.27	0.058	2	16
Polyethylenepolyamines	275	0.029	1	8
Polyfree 100 Antifoulant (Diethylhydroxylamine)	89.1	0.6189	2	16
Polysiloxane Dmh	300.01	0.06	5	40
Polytetrahydrofuran	1000	0.019	2	16
Potassium Humate	258.4	0.55	1	8
Priolube (Trimethylolpropane tricaprylate/caprate)	415	0.0965	1	8
Propadiene	40.065	91.41	5	40
Propane	44.096	149.05	5	40
Propanol	60.097	0.51	5	40
Propargyl Alcohol	56.065	0.37	5	40
Propene	42.081	180.85	5	40
Propiolactone (Beta)	72.064	0.04	5	40
Propionaldehyde	58.08	7.11	3	24
Propionic Acid	74.08	0.09	5	40
Propionitrile	55.08	1.06	5	40
Propyl Acetate	102.134	0.79	5	40
Propyl Acrylate	114.2	0.35	5	40
Propyl Butyrate	130.2	0.14	5	40

Propyl Formate	88.107	1.96	5	40
Propyl Nitrate	105.097	0.55	5	40
Propyl Sulfide	118.2	0.15	5	40
Propylamine	59.11	7.12	5	40
Propylene Glycol Monoethyl Ether	104.2	0.6670	2	16
Propylene glycol tert butyl ether	132	0.2	2	16
Propylene Oxide	58.081	11.93	5	40
Propylene Oxide, 1,2	58.08	11.72	5	40
Propylene Oxide, 1,3	58.08	7.18	5	40
Propylene Tetramer	168.4	0.05	5	40
Propyleneimine	57.095	4.21	4	32
Propyne	40.065	89.48	5	40
Pyridine	79.102	0.49	5	40
Pyrolysis Gasoline	58.89	5.02	5	40
Pyrolysis Tar Btms	275	0.0014	5	40
Pyrrole	67.1	0.2	5	40
Pyrrolidine	71.122	1.43	5	40
Q50C (N,N-Dialkyl-N,N-dimethylammonium bicarbonate, N,N-Dialkyl-N,N-dimethylammonium carbonate, Methanol, 1,2-Propene, Water, and N-Dialkyl-N,N-dimethylamine)	310	0.179	2	16
Quinoline	129.2	0.0033	5	40
R-8278 (Benzyalkyl Pyridinyl Quatemary Ammonium Chloride/methanol)	32.494	1.639	4	32
Raffinate	175	3.6	5	40
Resorcinol Digycidyl Ether	222.3	0.7855	1	8
Royalene 4076 (Octa 3,5-Di-tert-butyl-4-hydroxyhydrocinnamate and Hexane)	86	3.0777	1	8
Rubber Solvent	175	9.69	5	40
Rubinate 3050 (Suprasec:diphenylmethane Diisocyanate)	250.26	0.0001	2	16
Secondary Butanol	74.1	0.757	1	8
Sodium Alpha Olefin Sulfonate	400	0.001	2	16
Sodium Methylate	35.666	1.86	5	40
Sodium n-Butyl Xanthate	172.2	0.042	1	8
Spec-Aid (Triazine, Methanol, and Monoethanolamine)	53.1	0.5918	1	8
Stoddard Solvent	140.00	0.1310	2	16
Styrene	104.2	0.16	5	40
Sulfa-check 2420 (Sodium Nitrite Mixture)	34.2	1.102	5	40

Sulfix 9272 Scavenger (Alkanolamine/Aldehyde Condensate, Methanol, Monoethanolamine, and Water)	200	1.0653	2	16
Sulfolane W (Tetrahydrothiophene-1, 1-dioxide)	120.17	0.007	2	16
Super Set 931	30.14	3.277	5	40
Technohib (Cationic Amine, Methanol, Ethyl Alcohol, Isopropyl Alcohol, and Water)	105	1.0518	2	16
Terol (Polyester Polyol)	595	0.1	2	16
tert-Butyl acrylate	128.17	0.334	1	8
Tetrabutyltin (as tin compounds: organic compounds)	347.2	0.0006	1	8
Tetrahydro Dicyclopentadiene	136.24	0.0260	2	16
Tetrahydrobenzaldehyde	100.2	0.07	5	40
Tetrahydrobenzyl Alcohol	112.7	0.3916	2	16
Tetrahydrofuran	72.108	4.04	5	40
Tetrahydromethylphthalic Anhydride	203	0.0002	2	16
Tetrahydrothiophene	88.2	0.43	5	40
Tetraisopropyl orthotitanate	284.2	0.0043	2	16
Tetramethyl 1,3 Butanediamine	144.3	0.07	5	40
Tetramethyl Benzene, 1,2,3,4	134.222	0.01	5	40
Tetramethyl Butane, 2,2,3,3	114.232	0.88	5	40
Tetrex 702 Additive (Baker)	40.00	0.0632	2	16
Textile Spirits	175	4.28	5	40
TH-767 (Methanol, Water, and Amino Phosphonate Salts)	200	0.6872	1	8
Thiacyclobutane	74.147	1.21	5	40
Thiacyclohexane	102.2	0.19	5	40
Thiglycolic Acid	92.12	0.0046	2	16
Thiodiglycol	122.2	0.0014	2	16
Thiophene	84.142	1.82	4	32
TIC-C Solution (Sulfuric Acid Salt of (S)-n-tert-butyl-1,2,3,4-tetrahydroisoquinoline-3-carboximide)	73.14	2.1	5	40
Titanium Ethylhexoxide (tetraoctyl titanate)	564.8	0.0010	1	8
Tolad (R) 0249	98.89	0.1023	2	16
Toluene	92.142	0.66	5	40
Toluene Diisocyanate	174.2	0.0012	5	40
Tolunitrile, 2	117.2	0.01	5	40
Triacetone Diamine	156.27	0.58	2	16
Triamethyl Hexane, 2,3,5	128.3	0.28	5	40
Triamylamine	227.44	0.04	2	16

Triazine	81.1	0.3087	2	16
Triazone	101.00	0.1000	2	16
Tributyl Borate	230.2	0.01	5	40
Tributyltin chloride (as tin compounds: organic compounds)	325.5	0	1	8
Triethoxyoctylsilane	276	0.029	1	8
Triethyl Phosphate	182.156	0.01	5	40
Triethylamine	101.1941	1.55	5	40
Triisobutylene	168	0.559	5	40
Trimethyl 1 Pentene, 2,4,4	112.215	1.01	5	40
Trimethyl 1,3 Pentanediol	216.3	0.02	5	40
Trimethyl 2 Pentene, 2,4,4	112.215	0.82	5	40
Trimethyl Butane, 2,2,3	100.198	2.31	5	40
Trimethyl Butane, 2,3,3	100.205	2.31	5	40
Trimethyl Pentane, 2,2,3	114.224	0.74	5	40
Trimethyl Pentane, 2,2,4	114.232	1.13	5	40
Trimethyl Pentane, 2,3,3	114.232	0.63	5	40
Trimethyl Pentane, 2,3,4	114.232	0.63	5	40
Trimethyl Pyridine, 2,4,6	121.2	0.05	5	40
Trimethylolpropane Trimethacrylate	338.39	8.1E-05	2	16
Tri-n-hexylamine	269.51	0.029	2	16
Triphenylborane	242.00	0.0010	2	16
Tripropylamine	143.272	0.04	5	40
Txib (Kodaflex)	286.4	0.0773	5	40
ULTRADOSS 70 (Butanedioic Acid silfo-1,4-bis(ethylhexal) ester, Sodium salt, Ethanol, and 2-ethyl-1-Hexanol)	46.3	0.9241	2	16
Unichem 7217 INT. (as Gas Additives)	51.4	0.6587	2	16
Unleaded Gas	98	7.88	5	40
Unleaded Gas Blend	98	0.98	5	40
Unleaded Gasoline Blendstock	99	0.98	5	40
Urea	60.00	0.0001	2	16
Urea - Formaldehyde	540	0.017	2	16
Valeraldehyde	86.135	0.8	5	40
Valeric Acid	102.1	0.01	5	40
Valeronitrile	83.1	0.17	5	40
Veova 10 (Vinyl Ester of Neodecanoic Acid)	198.3	0.102	2	16
Veratrol (1 ,2-dimethoxybenzene)	138.18	0.019	5	40
Vinyl Acetate	86.091	2.61	5	40
Vinyl Acetate Monomer	86.091	2.61	5	40

Vinyl Acetonitrile	67.1	0.43	5	40
Vinyl Acetylene	52.076	34.54	5	40
Vinyl Cyclohexene	108.2	0.36	5	40
Vinyl Formate	72.064	7.01	5	40
Vinyl Neononanoate	184.3	0.0190	1	8
Vinyl Propionate	100.117	1.28	5	40
Vinyl-2-pyrrolidinone (N)	111.16	0.0044	2	16
Vinylcyclohexane	110	0.87	2	16
WFT-9809 (Butoxymethanol and Butyl Amine)	78.6	3.011	2	16
Xylidine	121.2	0.02	5	40

Date: October 16, 2024

Approved Chemical List II

Location – Carbon System CAU-1
Controlled
Carbon Adsorption Unit (EPN CAU-1)

Product	Molecular Weight (lb/lb-mole)	Vapor Pressure (Psia)	Maximum Authorized Containers Per Hour	Equivalent Volume (1000 gallons)	Breakthrough Concentration (ppmv)
1,6-dichlorohexane	155.07	0.098	2	16	100
2 Chloroethane, 1	143.427	0.721	1	8	10
3-benzyloxy-1-chloro-2-propanol	200	0.0072	2	16	100
Acticide 14 (5-chloro-2-methyl-4-isothiazolin-3-one; 2-methyl-4-isothiazoline-3-one)	563	0.31	5	40	100
Allyl Chloroformate	119.5	0.48	1	8	100
Atrazine 4l Herbcide	215.7	0.00001	2	16	100
Bchlor (3-benzyloxy-1 -Chloro-2-(Propionyloxymethoxy) Propane)	319	0.15	5	40	100
Benzal Chloride	161.03	0.01	5	40	10
Benzotrichloride	195.5	0.01	5	40	100
Benzotrifluoride	146.112	0.89	5	40	10
Benzoyl Chloride	140.57	0.02	5	40	100
Benzyl Chloride	126.59	0.03	5	40	100
Bromethyl 2 Chloroethyl Ether, 2	267.4	0.01	5	40	10
Bromo 1 Propene, 3	120.989	3.19	1	8	10
Bromo 2 Methylpropane, 2	137	0.02	5	40	10
Bromo 3 Methyl Butane, 1	151.1	0.44	5	40	100
Bromobenzene	157.022	0.03	5	40	100
Bromobutane, 2	137.02	1.48	1	8	10
Bromobutane, 1	137.032	0.95	5	40	10
Bromochlorideifluoromethane	165.365	44.33	1	8	100
Bromochloromethane	129.384	3.21	2	16	100
Bromoethane	108.978	10.36	1	8	100
Bromonaphthalene, 1	207.082	3.16	1	8	50
Bromonaphthalene	207.1	0.013	5	40	100
Bromopentane, 1	151.1	0.3	5	40	10
Bromopropane, 1	123.005	3.09	1	8	10
Bromopropane, 2	123.005	4.74	1	8	10
Bromotoluene, 3	171	0.02	5	40	10
Bromotoluene, 2	171	0.1	5	40	10
Bromotrichloromethane	198.273	0.89	5	40	10

Butyl Chloroformate	136.6	0.15	5	40	10
Butyl Chloroformate, Sec	136.6	0.24	5	40	10
Carbon Tetrachloride	153.823	2.58	1	8	100
Chloro 1,1 Difluoroethane, 2	98.479	75.86	1	8	100
Chloro 2 Ethyl Benzene, 1	140.6	0.05	5	40	100
Chloro 2 Methyl Propane, 1	92.573	3.35	5	40	10
Chloro 2 Methyl Propane, 2	92.568	6.66	5	40	10
Chloro 3 Ethyl Benzene, 1	140.6	0.04	5	40	100
Chloro 3 Methyl Butane, 1	106.6	1.2	5	40	10
Chloro 1,1 Difluoraethane, 1	100.495	54.75	1	8	100
Chloro 4 Ethyl Benzene, 1	140.6	0.04	5	40	100
Chloro A,a,a Trifluorotoluene, 2	180.6	0.12	5	40	10
Chloroacetyl Chloride	112.943	0.58	1	8	10
Chlorobenzene	112.56	0.28	5	40	100
Chlorobenzoyl Chloride, m	175	0.0069	5	40	100
Chlorobutane, 2	92.569	3.37	5	40	10
Chlorobutane, 1	92.569	3.37	5	40	100
Chlorodifluoromethane	86.488	164.33	1	8	100
Chloroethanol, 2	80.514	0.17	1	8	10
Chloroethene	62.503	56.73	1	8	10
Chloroform	119.378	4.42	1	8	10
Chloronaphthalene	162.6	0.0012	5	40	100
Chloropentane, 1	151.059	0.72	5	40	10
Chlorophenol, o	128.6	0.06	5	40	100
Chloroprene, 2	76.525	17.81	1	8	10
Chloropropane, 2	78.541	11.43	5	40	100
Chloropropane, 1	78.542	7.67	5	40	100
Chloroprrpropene, 3	76.526	8.08	1	8	10
Chlorosulfonic Acid	116.5	0.01	1	8	50
Chlorotetradecane	232.8	0	5	40	100
Chlorotoluene, o	126.585	0.08	5	40	100
Dibromo 2 Methyl Butane, 2,3	230	0.03	5	40	10
Dibromo 2 Methyl Propane, 1,3	215.9	0.05	5	40	10
Dibromo 2 Methylpropane, 1,2	215.9	0.4	5	40	10
Dibromo Methane	173.835	1.03	5	40	100
Dibromobutane, 1,4	215.9	0.04	5	40	10
Dibromobutane, 2,3	215.9	0.09	5	40	10
Dibromobutane, 1,2	215.9	0.07	5	40	10
Dibromoethane, 1,2	187.886	0.28	1	8	10

Dibromopropane, 1,2	201.9	0.19	5	40	10
Dibromotetrafluoroethane, 1,2	259.816	7.33	1	8	10
Dichlormethane	96.944	13.21	1	8	100
Dichloro (Chloromethyl) Methylsilane	165.3	0.41	5	40	100
Dichloro 1 Butene, 3,4	124.997	0.51	1	8	100
Dichloro 1 Propanol, 1,3	129	0.27	5	40	100
Dichloro 2 Butane (Trans), 1,3	125	0.27	5	40	100
Dichloro 2 Butene (Trans)	125	0.08	5	40	100
Dichloro 2 Ethyl Benzene, 1,4	175.1	0.01	5	40	10
Dichloro 3 Ethyl Benzene, 1,2	175.1	0.01	5	40	10
Dichloro 4 Ethyl Benzene, 1,2	175.1	0.01	5	40	10
Dichloro A,a,a Trifluorotoluene, 3,4	215	0.05	5	40	10
Dichloro Propane, 2,2	112.995	3.28	5	40	100
Dichloroacetaldehyde	112.943	1.27	1	8	10
Dichloroaniline, 3,4 (3,4-dca)	161.9	0.2	5	40	100
Dichlorobutane, 1,4	127	0.1	5	40	10
Dichloroethane, 1,1	98.96	5.1	4	32	100
Dichloroethane (Trans), 1,2	96.944	7.37	1	8	50
Dichloroethene (Cis), 1,2	96.944	4.55	5	40	100
Dichloroethylene, 1,1	84.933	9.69	1	8	10
Dichloromethyl Arsine	160.9	0.25	1	8	10
Dichloropentane, 1,5	141	0.03	5	40	10
Dichloropropane, 1,2	112.992	1.14	5	40	100
Dichloropropane, 1,1	112.92	1.56	5	40	10
Dichloropropane, 1,3	113	0.43	5	40	100
Dichloropropene, 1,3-(Cis)	10.18	0.5	5	40	100
Dichlorotetrafluoroethane, 1,2	132.936	35.44	5	40	100
Difluorobenzene, p	114.09	1.44	5	40	10
Difluoroethane, 1,1	66.054	95	1	8	10
Diiodoethane, 1,2	281.9	0.01	5	40	100
Diiodomethane	267.8	0.03	5	40	100
Dimethyl Thiophosphoryl Chloride	106.6	0.016	2	16	10
Elastopor (Mixture of Flame Retardant (Tris(1-chloro-2-propyl)phosphate, Surfactant (Ethoxylated Alcohol) and Catalyst (Dimethylcyclohexylamine)	127.23	0.12	2	16	100
Epichlorohydrin	92.53	0.39	1	8	10
Ethyl a Chloropropionate	136.584	0.09	5	40	100
Ethyl Chloroformate	108.53	0.17	1	8	10

Ethyl Dichloroacetate	157	0.07	5	40	10
Ethyl Fluoride	48.06	145.531	1	8	100
Ethyl Hexyl Chloroformate, 2	190.7	0.01	5	40	100
Ethyl Trichloroacetate	191.5	0.03	1	8	50
Ethylene Dichloride	98.96	1.92	1	8	10
Ethylene Chlorhydrin	80.51	0.17	1	8	10
Fluorobenzene	96.106	1.74	1	8	100
Fluoropropane, 1	62.089	43.98	5	40	100
Fluorotoluene, 3	110.133	0.5	5	40	10
Fluorotoluene, p	110.1	0.49	5	40	10
Fluorotoluene, 2	110.133	0.56	5	40	10
Fumarylchloride (Trans)	153	0.05	5	40	10
Hexachloro 1,3 Butadiene	260.76	0.01	1	8	50
Hexachlorocyclopentadiene	272.8	0.0004	5	40	100
Hexafluoropropylene	150.023	103.57	1	8	10
Iodo 3 Methyl Butane, 1	198.1	0.15	5	40	100
Iodobenzene	204	0.02	5	40	100
Isobutyl Chloroformate	136.6	0.2	5	40	10
Isopropyl Chloroacetate	136.6	0.1	5	40	10
K-FBBA 4 (4-flourobenzoyl)butyric Acid and Potassium Hydroxide (Potassium Salt))	210	0	2	16	100
Methyl Chloride	50.488	210.19	1	8	10
Mylose 662 (Glucose)	300	0.001	2	16	10
Neophyl Chloride (1-chloro-2-methyl-2-phenyl Propane)	168.7	0.1934	1	40	100
Nitrobenzotrifluoride, 3	191.1	0.01	1	8	100
Nitrochlorobenzene (1-chloro-4-nitrobenzene)	157.56	0.023	2	16	100
Octafluoro 2 Butane	200.031	42.98	5	40	100
Octafluorocyclobutane	200.031	50.41	5	40	100
Pcl (Hexachlorocyclopentadiene)	272.79	0.002	2	16	100
Pentachloroethane	202.295	0.08	5	40	100
Perchloric Acid	100.458	0.88	1	8	10
Propanil Technical ('3, 4-dichloropropionanilide (Propanil))	217	0	2	16	100
Propyl Chloroformate	122.6	0.47	5	40	10
RCAA (Mixture of R-chloro-(Trifluoromethyl) Anilino Acid Methylbutanoic Acids and N-methyl Pyrrolidone)	307	0.02	2	16	100
SF 1245 (Methylene Chloride/hexamethyldisiloxane)	100.3	2.477	1	8	100

Sulfuryl Chloride	134.97	3.14	1	8	10
Tetrachloroethane, 1,1,1,2	167.8	0.28	5	40	10
Tetrachloroethane,1,1,2,2	167.85	0.11	2	16	10
Tetrachloroethylene	165.848	0.43	3	24	100
Thionyl Chloride	118.971	2.67	1	8	10
Tribromo Butane, 2,2,3	294.8	0.01	5	40	10
Tribromobutane, 1,1,2	294.8	0.01	5	40	10
Tribromobutane, 1,2,2	294.8	0.01	5	40	10
Tribromomethane	252.731	0.13	1	8	10
Tribromopropene, 1,2,3	288.81	0.01	5	40	10
Tributyl Phosphate	266.32	0.0002	2	16	10
Trichloroacetaldehyde	147.387	0.91	1	8	10
Trichloroacetyl Bromide	226.3	0.19	5	40	10
Trichloroacetyl Chloride	181.8	0.4	1	8	10
Trichloroethane, 1,1,1	133.405	2.73	5	40	10
Trichloroethylene	131.389	1.69	3	24	100
Trichlorofluoromethane	137.38	16.88	5	40	100
Trichloronitroethane, 1,1,2	133.42	0.54	1	8	50
Trichloronitromethane	164.39	0.56	1	8	10
Trichlorotrifluoroethane, 1,1,2	187.393	7.43	5	40	100
Trifluoroacetic Acid	114.024	2.5	5	40	10
Trifluoroethane, 1,1,1	84.046	195.12	1	8	100
Trifluorotoluene	146.117	0.88	5	40	10
Trifluorotoluene, A,a,a	146.11	0.87	5	40	10
Vinyl Chloride Monomer	62.503	56.73	1	8	10
Vinyl Bromide	106.95	22.77	1	8	50

Date: October 16, 2024

Approved Chemical List III

Location – Wash Rack CL-1
Uncontrolled
Cleaning Area (EPN CL-1)

Product	Molecular Weight (lb/lb-mole)	Vapor Pressure at 100 °F (psia)	Maximum Authorized Containers (No./hr)	Equivalent Volume (1000 gallon)
((3-chloro-2-hydroxypropyl)trimethylammonium chloride	188	0.001	2	16
1-(4-chlorophenyl)-4,4-dimethyl-3-pentanone	225	0.0002	2	16
1,2-Diaminocyclohexane	114	0.015	2	16
10-,10-Oxybisphenoxarsine(OBPA)	502	0.0001	2	16
1-Chlorohexadecane (CetylChloride; Hexadecyl Chloride)	260.9	0.0005	2	16
1-Phenylethanol	122	0.0108	2	16
2-(4-tert-Butylbenzyl)propionaldehyde	510.83	0.001	2	16
2-(Methacryloyloxy)Ethyl Acetoacetate (2-(Methacryloyloxy)Ethyl Acetoacetate and Water)	214.2	0.0007	2	16
2-(tert-Butylamino)ethyl methacrylate	185.26	0.01	2	16
2,2,4-Trimethyl-1,3-Pentanediol	146.2	0.0005	2	16
2,2,4-Trimethyl-1,3-Pentanediol Diisobutyrate	286	0.0001	2	16
2,2,6,6-Tetramethyl-4-piperidone (AD-here HP Plus)	173.3	0.0000	2	16
2,3-Dichloronitrobenzene	192	0.0003	2	16
2,4,6-Tri-Tert-Butylphenol	262.43	0.0010	2	16
2,4,-DB-2-Ethylhexyl Ester	361.3	0.0001	2	16
2,5-Dichloro Phenol	163	0.002	2	16
2,6-Dichlorotoluene	161.0	0.0290	1	8
2-Butyl-2-Ethylpropanediol	160	0.0001	2	16
2-Chloro-6-Methoxy Toluene	156.6	0.0162	1	8
2-ethyhexyl Nitrate	175.2	0.0014	2	16
2-Ethylhexyl Diphenyl Phosphite	346.4	0.0001	2	16
2-Hydroxyelthyl-n-octyl sulfide	190.3	0.0001	2	16
2-Hydroxyethyl Methacrylate	130	0.003	2	16
2-methyl-1-heptanol	130	0.0057	2	16
2-phenoxyethyl Acrylate	192.2	0.0193	2	16
2-propylheptanol	158	0.006	1	8
2-sek-4-tert-butylphenol	206.3	0.002	2	16
3,3,5-Trimethylcyclohexanol	142.3	0.0140	2	16

3-Aminopropyl diethylene glycol	163	0.003	2	16
3-cynopyradine	104.1	0.0149	2	16
3-Methoxy-3-Methyl-1-Butanol	118.0	0.0360	1	8
4, 4'-diaminodicyclohexyl Methane (Pacm)	210.4	0.003	2	16
4,6-Bis(Octylthiomethyl)-O-Cresol	424	0.0000	2	16
4-Benzylidene-2,6-Di-Tert-Butyl-Cycloxa-2,5-Dienone	294	0.0001	2	16
4-chloro-3-methylphenol sodium salt solution (4-chloro-3-methylphenol sodium salt and Water)	165	0.0001	2	16
4-Chlorobenzyl pinacolone	225	0.004	1	8
4-hydroxy Tempo Solution 5% (4-hydroxy-2, 2, 6, 6-tetramethylpiperidine-1-oxy)	172	0.0000	2	16
4-Hydroxybenzenesulfonic Acid	174.2	0.03	1	8
4-methoxyacetophenone	150.18	0.0003	2	16
4-Tert-Amylphenol	164.3	0.0010	2	16
5-Octyl norbornene	206	0.00022	2	16
6,6'-Diamina-1,6-Hexamethylene (6,6'-Diamina-1,6-Hexamethylene (Hexamethylenediamine, 1,6))	264	0.038	1	8
6-Hydroxyhexanoic Acid	132.2	0.001	2	16
78143 TFA-4652d (Xylene/paraffinic Distillate/alkenylsuccinimine)	107.4	0.124	5	40
7-Ethyl-2-methyl-4-undecanone	212	0.00011	1	8
Abietic Acid	302.5	0.00002	5	40
Acenaphthene	154.2	0.00017	1	8
Acetamide	59.1	0.001	5	40
Acetanilide	135.2	0.00001	3	24
Acetone Cyanohydrin	85.1	0.01	1	8
Acetophenone	120.2	0.01	5	40
Acetyl Acetone	100.1	0.1	3	24
Acronal S 410 (Acrylate/Styrene Copolymer and water)	600	0.0001	2	16
Acronal V275 (Acrylate Copolymer and Water)	600	0.0001	2	16
ACTAGRO (Monoammonium Phosphate, Diammonium Phosphate, Zinc Citrate, and Leonardite Extract (Humic Acid))	20000	0.0000	2	16
Acticide 45 (Mixture of 2-n-octyl-4-isothiazolin-3-one Propylene Glycol)	76.1	0.003	2	16
Adamquat (Acrylic Monomer)	193.673	1.00E-07	2	16
Adipic Acid	146.1	0.0001	5	40
Adiponitrile	108	0.00001	5	40
Adma 12 Amine	220	0.00001	5	40
Adma 16 Amine	268	0.000001	5	40

Adma 246-451	280	0.00008	5	40
AE 3485 (Acrylic Polymer Emulsion, Surfactant, and water)	628	0.0001	2	16
Aggrigrip (Polycyclicamines)	283.973	0.0173	2	16
Airflex EP-17 Dispersion (Vinyl Acetate/Ethylene Copolymer)	600	0.0001	2	16
Alcohols, C12-C14 Ethoxylated	230	0.001	2	16
Alfol 10	158.3	0.0006	5	40
Alfol 1214-gc	186	0.00002	5	40
Alfol 6	102.2	0.02	1	8
Alfol 8	130.2	0.004	5	40
Alfonic 121 4gc-30 (Ethoxylated Fatty Alcohol)	152.1	0.000001	5	40
Alkyd Resins	1000	0.0001	5	40
Alkyl Benzene	240	0.00002	5	40
Alkyl sulphonic acid ester of phenol	390.0	0.0001	2	16
Alkyl trimethylenediamine. Acetate salt	133	0.0000	1	8
Alpha-cypermethrin	416	0.0001	2	16
Alpha-Isomethyl Ionone	206.33	0.0006	2	16
Aluminum Chlorhydroxide (Aluminum Chlorhydroxide and Water)	395.5	0.0000	2	16
Aluminum Chlorohydrate Solution (Praestol K 2004)	174.5	0.0000	2	16
Aluminum Hydroxide	78	0.0001	2	16
Aminoethyl Ethanolamine	104.2	0.001	5	40
Aminopropyldiethanolamine	162	0.0010	2	16
Aminopropylmorpholine	144.0	0.0040	2	16
Ammonium Chloride	53.5	0.0000	5	40
Ammonium Dimolybdate	337.9	0.000001	2	16
Ammonium Fluoride (Salt Solution)	37	0.0000	2	16
Ammonium Lignosulfonate Solution (lignosulfonic acid, ammonium salt aqueous)	265.0	0.0001	1	8
Ammonium Sulfate	132.2	0.0000	5	40
Ammonium Sulfate Solution (Aquamine) (Ammonium Sulfate and Water)	132	0.0001	2	16
Amorphous Polypropylene	72.4	0.353	2	16
Amphosol ca (Betaine)	135	0.0001	5	40
Amyl Alcohol, Sec	88	0.15	1	8
Amyl Phenol, 4	164.2	0.00001	5	40
Anethole (Anise Camphore; P-propenylanisole)	148.2	0.0032	1	8
Aniline	93.1	0.02	1	8
Ansic Alcohol	138.7	0.0001	2	16
Anthracene	178.2	0.000001	5	40

Anthraquinone	208.2	0.0000	5	40
Antimony Pentoxide	323.5	0.00002	1	8
Aqueous Copper Solution (Boric Acid, Ethanolamine, Water, and Copper)	63	0.001	2	16
Araldite GY 6010 (Phenol 4,4 (1-methylethylidene) bis-, polymer with (chloromethyl oxirane), Bisphenol A Diglycidyl Ether)	320.9	0.001	1	8
ARI-340 Lo Cat Iron Concentrate (Mixture Edta Ammoniom Iron and Trisodium Nitrilotriacetate)	365.1	0.001	2	16
Armid OL FLK (9-Octadecenamide)	281.5	0.0004	2	16
Aroclor 1260 (Chlorodiphenyl 60%)	372	3.09E-06	1	8
Aromatic Distillate, Heavy	80	0.24	5	40
Aromatic Naphtha	90	0.124	5	40
ASA2024 B (Mixture of C20-c24 Alkenylsuccinic Acid, Eicosene, Docosene, and Tetracosene)	280.5	0.0002	2	16
Asphalt	190	0.0072	3	24
Asulam sodium (Methyl sulfanilylcarbamate, sodium salt)	253	0.000001	2	16
Automatic Transmission Fluid (Citgo Atf)	254	0.0002	5	40
Azelaic Acid	188.2	0.000001	5	40
Babassu Oil	175	0.012	1	8
Baker Petrolite FMW 3037 Foamer (Quanternary Ammonium Compoundand Water)	300	0.00001	2	16
Baker Petrolite L99BO (Sodium Chloride, Etheramine Phosphonate Salt, and Water)	573	2.90E-07	2	16
Baker Petrolite M2427	98.5393	0.0343	2	16
Baker Petrolite Tretolite RBW213 Water Clarifier (Salt of an Organic Sulfur Compound, Ethylene Glycol, and Water)	94.1	0.005	2	16
Basic Copper Carbonate	221.12	0.0001	2	16
Benzenamine, 2-ethyl-N-[(1S)-2-methoxy-1-methylethyl]-6-methyl-	207.3	0.0010	1	8
Benzene Sulfonyl Chloride	176.62	0.005	2	16
Benzenediol, 1,2	110.1	0.0015	5	40
Benzenediol, 1,3	110.1	0.0001	5	40
Benzoic Acid	122.12	0.0386	3	24
Benzoin	212	0.0010	2	16
Benzonitrile	103.1	0.02	5	40
Benzophenone	182.2	0.000052	5	40
Benzothiazole	135.2	0.007	1	8
Benzyl Acetate	150.8	0.0135	5	40
Benzyl Alcohol	108.1	0.0018	5	40

Benzyl Benzoate	212.2	0.0011	5	40
Benzyl Chloroformate (Benzyl Chlorocarbonate)	156.6	0.001	1	8
Benzyl Ethyl Ether	136.2	0.02	5	40
Benzylamine	107.2	0.02	1	8
Benzyltrimethylammonium Chloride Solution (Benzyltrimethylammonium Chloride and Water)	186	0.0001	2	16
Bio-base 210 (C12-C20 Alkenes) Icosene, n-	280.54	0.00001	2	16
Bio-base 210 (C12-C20 Alkenes) Octadecene	252.48	0.00001	2	16
Biodiesel	294	0.019	1	8
Biphenylol (2)	170.2	0.00012	2	16
Bis (Cyanoethyl) Ether	124.1	0.00002	2	16
Bis-hexamethylene Tramine Bhmt Residue	264	0.003	4	32
Bisphenol A	228	0.001	2	16
Blankophor uw	180	0.0001	2	16
Boral-E (Ethylene glycol phenyl ether and Dietylene glycol phenyl ether)	141.6	0.002	2	16
Borax (Sodium Tetraborate Decahydrate)	381	1.00E-08	2	16
BPB 59320 scale Inhibitor (Polyacrylic Acid, Sodium Hydroxide, Water, and Polymethacrylic acid)	2000	0.00001	2	16
Brake Fluid	50	0.02	3	24
Bravo 72 SC (Tetrachloroisothalonitnle;chlorothalonil; Daconil 2787)	264	0.0000	5	40
Butanediol, 1,3	90.1	0.0014	5	40
Butanediol, 1,4	90.1	0.0007	5	40
Butanediol, 2,3	90.1	0.01	5	40
Butanetriol, 1,2,4	106.1	0.0014	1	8
Butene 1,4 Diol (Cis), 2	88.1	0.00001	5	40
Butene 1,4 Diol (Trans), 2	88.1	0.08	2	16
Butenoic Acid (Trans), 2	86.1	0.01	4	32
Butoxypropylamine	131.2	0.018	2	16
Butoxytriglycol	206	0.0003	2	16
Butyl Acetate	116.2	0.27	1	8
Butyl Alcohol	74.1	0.16	2	16
Butyl Alcohol, Sec	74.1	0.45	3	24
Butyl Benzene	134.2	0.02	5	40
Butyl Benzene, Sec	134.2	0.04	5	40
Butyl Benzene. Tert	134.2	0.06	5	40
Butyl Benzyl Phthalate	312.4	0.0001	5	40

Butyl Carbitol	162.2	0.12	2	16
Butyl Carbitol Solvent	162.2	0.12	2	16
Butyl Cellosolve	118.2	0.03	2	16
Butyl Cellosolve Acetate	160.2	0.03	2	16
Butyl Cyclohexane	140.3	0.03	5	40
Butyl Cyclopentane	126.2	0.09	5	40
Butyl Methacrylate	142	0.08	5	40
Butyl Octyl Alcohol	186	0.000115	5	40
Butyl Phenol, P Tert	150.2	0.0007	1	8
Butyl Salicylate	228.2	0.001	2	16
Butyl Stearate	340.6	0.0000	5	40
Butylaminoethanol (n)	117.2	0.0536	1	8
Butylaminoethanol(t-)	117.2	0.019	1	8
Butyldiethanolamine (n) (as Ethanolamine)	161	0.0004	2	16
Butyne 1,4 Diol, 2	86.1	0.00028	5	40
Butyric Anhydride	158.2	0.01	5	40
C10-C18 Paraffins	170	0.02	5	40
C12+linear Alcohols	186	0.000012	5	40
C12+linear Olefin	168	0.0004	5	40
C12-18 Alcohol	186	0.000001	5	40
C16-18 Glycerides, Mono & Di	596.96	0.0001	2	16
C30 Alpha Olefins	476	0.000001	5	40
C8-10 Alpha Olefins	140	0.007	2	16
Calcium Detergent Additive	120	0.02	1	8
Calcium Nitrite (as Calcium Solution)	132	0.0001	2	16
Calcium Sulfide Solution	72.1	0.0010	2	16
Calfoam ES	262	0.02	2	16
Calsoft LAS - 99 (Dodecylbenzene Sulfonic Acid/water)	348.5	0.0001	5	40
Caprolactam	113.2	0.0002	5	40
Caprolactone Epsilon	114.1	0.0001	5	40
Caradol	285	0.0000	5	40
Carbitol Acetate	176.2	0.002	5	40
Carbitol Solvent	134.2	0.007	5	40
Carbitol Solvent lg	134.2	0.007	5	40
Cardura N-10 (2,3-Epoxypropyl neodecanoate)	228.3	0.0000	2	16
Carfentrazone-ethyl	412.2	0.0001	2	16
Castor Oil	175	0.012	1	8
Catalyst Feed	160	0.0000	5	40

Caustic 50%	40	0.0000	5	40
Caustic Potash (50%)	56.1	0.0000	1	8
Caustic Soda	24.1	0.0000	5	40
Caustic Soda 50%	24.1	0.0000	5	40
Caustic, Mercury Cell	40	0.0000	5	40
Cellosolve Acetate	132.2	0.04	1	8
Cellulose Triacetate	576	0.0001	2	16
Cement	1000	0.0000	5	40
Cetyl Betaine	341.58	0.0001	2	16
Chargemaster R250 Cationic Reagent (3-Chloro-2-hydroxypropyl trimethylammonium chloride, Water, and 1,3- Bis (trimethylammonium)-2hydroxypropane dichloride)	248.1	0.001	2	16
CHEMKURE Acid Catalyst (p-Toluene Sulfonic Acid, Sulfric Acid and Water)	172.2	0.0002	2	16
Chloro 3 Nitrobenzotrifluoride, 4	225.6	0.0001	5	40
Chloroaniline, 3	127.6	0.001	5	40
Chloroaniline, m	127.6	0.001	5	40
Chloroaniline, o	127.6	0.01	1	8
Chlorobenzotrifluoride, p	180.6	0.18	1	8
Chloroethyl Chloroacetate, 2	157	0.01	1	8
Chloroglycerine Crude	110.7661	0.0375	2	16
Chloropropyltrimethoxysilane (3-)	199	0.0160	1	8
Chlorostyrene, o-	138.6	0.02	5	40
Chlorotoluene, p	126.6	0.06	1	8
Cholesta-5,7-diene-3b,25 diol	400.0	0.0001	2	16
Choline Chloride (Choline Chloride and Water)	139.6	0.0001	2	16
Citric Acid	192.1	0.00001	1	8
Clayfix II (Alkylated Quaternary Ammonium Chloride salt solution)	195.7	0.00001	2	16
Cobalt Nitrate (Cobalt Nitrate and Water)	182.9	0.0000	2	16
Cobalt Sulfate (Cobalt Sulfate and Water)	155	0.0000	2	16
Coconut Oil	175	0.0001	5	40
Copper Sulfate solution (Copper Sulfate and Water)	249.7	0.000001	2	16
Corn Oil	175	0.02	1	8
Cortrol OS5607 (Carbonic Dihydrazide and Water)	208	0.0001	2	16
Cottonseed Oil	175	0.06	3	24
C-Quest H-60 (Hydroxyethylidene Diphosphonic Acid, Water, and Phosphoric Acid)	206	0.001	2	16

Crotonic Acid (Cis)	86.1	0.01	5	40
Crotonic Acid (Trans)	86.1	0.01	5	40
Crude Light Oil	150	0.01	5	40
Cumene	120.2	0.11	1	8
Cumyl Phenol, p	212.3	0.000014	5	40
Cutter Stock	100	0.06	5	40
Cyclododecane	168	0.0012	2	16
Cyclododecanol (Cyclododecanol, Cyclododecanone, and Cyclododecene Epoxide)	184.3	0.0029	1	8
Cyclohexanedimethanol, 1,4-(Chdm)	144.2	0.0002	5	40
Cyclohexanol	100	0.03	5	40
Cyclohexanone	98.1	0.11	1	8
Cyclohexyl Benzene	160.3	0.0023	5	40
Cyclohexyl Peroxide	116.2	0.0015	5	40
Cyclooctane	112.2	0.13	5	40
Cyclooctatetraene, 1,3,5,7	104.2	0.19	1	8
Cyclopentanol	86	0.01	5	40
Cyclopentanone	84.1	0.27	2	16
Cyclopentyl Pentane, 1	140.3	0.03	5	40
DAXAD (Naphthalene sulfonic acid-formaldehyde sodium salt, Water, and sodium sulfate mixture)	450	0.1356	2	16
D-BLAZE Fire Retardant (Aqueous Phospho-ammonium-boron compound)	500	0.0000	2	16
Deasphalted Oil	660	0.0001	2	16
Decahydronaphthalene (Trans)	138.3	0.03	4	32
Decamethylcyclopentasiloxane	371	0.004	2	16
Decanal	156.3	0.0059	1	8
Decanal, 1	156.3	0.0059	1	8
Decane	142.3	0.03	5	40
Decanoic Acid	172.3	0.00001	5	40
Decanone, 2	156.3	0.01	5	40
Decyl Alcohol	158.3	0.0006	5	40
Decyl Benzene	218.4	0.00005	5	40
Decyl Chloroformate (Decyl Chlorocarbonate)	220.7	0.0003	1	8
Decyl Naphthalene, 1	268.4	0.001	5	40
Decylamine	157.3	0.0055	3	24
Dehydroabietylamine	285.5	0.00004	5	40
DEIPA (Diethanolisopropanolamine)	164	0.0002	2	16
Denatonium Benzoate 25%	446.6	0.00001	2	16

Detergent	306	0.001	5	40
Di Tert Butyl P Cresol, 2,6	220.4	0.0001	5	40
Di-2-Ethylhexyl Ether	243	0.001	2	16
Diallyldimethylammonium chloride	161	0.0001	2	16
Dianodic DN 2300 (Sodium Polyphosphate and Water)	367.9	0.000001	1	8
Dianodic Dn 2300 (Sodium Polyphosphate)	367.9	0.0000	1	8
Diaryldisulfide	218.3	0.0002	1	8
Diazinon	304.35	0.0000	5	40
Dibenzyl Ether	198.3	0.0001	5	40
Dibromo 1 Propanol, 2,3	217.9	0.0024	2	16
Dibromo-3-nitrilopropionamide (2,2-)	242	0.0010	1	8
Dibutyl Carbitol	218.3	0.03	1	8
Dibutyl Hydrogen Phosphite (as Phosphorous Acid)	194	0.0009	1	8
Dibutyl Maleate	228.3	0.0001	5	40
Dibutyl Phthalate	278.3	0.00014	5	40
Dibutyl Sebacate	314.5	0.000004	5	40
Dibutyl Sulfone	178.3	0.00001	1	8
Dibutyl Terephthalate	278.34	0.0001	2	16
Dibutylaminoethanol	173.3	0.0020	2	16
Dichlorobenzene	147	0.06	2	16
Dichlorobenzene, 1,2	147	0.04	5	40
Dichlorobenzene, m	147	0.05	5	40
Dichlorobenzene, o	147	0.03	5	40
Dichlorobenzotrifluoride 3,4	214	0.04	3	24
Dichlorobenzotrifluoride, 2,4	215	0.03	5	40
Dichloroethyl Ether, 2,2	143	0.03	2	16
Dichlorophenoxyacetic Acid Dimethyl, 2,4	220	0.0001	5	40
Dichlorotoluene, 2,4	161	0.0212	1	8
Dicyano 1 Butene (Cis)	106.1	0.0017	5	40
Dicyano 1 Butene (Trans)	106.1	0.0002	5	40
Dicyano 2 Butene, 1,4	106.1	0.0001	5	40
Dicyclohexylamine	181.3	0.0019	5	40
Diesel	130	0.01	5	40
Diethanolamine	105.1	0.0001	5	40
Diethanolmethylamine	119	0.01448	5	40
Diethyl Adipate	202.3	0.0017	5	40
Diethyl Aniline	149.2	0.0003	5	40
Diethyl Aniline, 2,6	149.2	0.0003	5	40

Diethyl Benzene, 1,2	134.2	0.03	5	40
Diethyl Benzene, 1,3	134.2	0.03	5	40
Diethyl Benzene, 1,4	134.2	0.03	5	40
Diethyl Benzene, m	134.2	0.03	5	40
Diethyl Benzene, o	134.2	0.03	5	40
Diethyl Benzene, p	134.2	0.02	5	40
Diethyl Carbitol	162.2	0.03	1	8
Diethyl Carbonate	118.1	0.26	3	24
Diethyl Maleate	172	0.015	2	16
Diethyl Malonate	160.2	0.01	5	40
Diethyl Oxalate	146.1	0.01	5	40
Diethyl Pentane, 3,3	125.3	0.17	5	40
Diethyl Phthalate	222.2	0.0007	5	40
Diethyl Sebacate	258.4	0.0019	5	40
Diethyl Succinate	174.2	0.0027	5	40
Diethylene Glycol	106.1	0.0005	5	40
Diethylene Glycol Bis Chloroformate(diglycol Chloroformate)	264.1	0.00012	3	24
Diethylene Glycol Dibenzoate	342.0	0.0002	2	16
Diethylene Glycol Dimethyl Ether	134.2	0.07	1	8
Diethylene Glycol Ethyl Ether	176.2	0.0074	5	40
Diethylene Glycol Monobutyl Ether	162.2	0.0015	5	40
Diethylene Glycol Monoethyl Ether	134.2	0.01	5	40
Diethylene Glycol Monopropyl Ether	148	0.0006	2	16
Diethylene Glycol Phenyl Ether	182	0.002	2	16
Diethylene Glycolmonoethyl Ether Acetate	176.2	0.014	5	40
Diethylene Triamine	103.2	0.01	1	8
Diethylenetriamine Naphthenate	103.2	0.0001	2	16
Difluoroaniline, 3,5-	129.1	0.001	2	16
Diglycolamine	105	0.001	5	40
Dihexyl Adipate	314.5	0.000005	5	40
Dihexyl Ether	186.3	0.0062	2	16
Dihexyl Phthalate	334	0.000001	5	40
Dihydrodicyclopentadienyl Acrylate	204.3	0.0154	1	8
Dihydromyrcenol (as Aliphatic Esters, generic)	156	0.0004	2	16
Diisobutyl Carbinol	144.3	0.03	1	8
Diisobutyl Phthalate	278	0.0004	2	16
Diisodecyl Phthalate	446	2.00E-07	5	40
Diisoheptyl Phthalate	362	0.0001	2	16
Diisononyl Adipate	398.6	0.0001	2	16

Diisononyl Phthalate	418	0.000001	5	40
Diisononyl-1,2-cyclohexanedicarboxylate	424.66	1.86E-08	2	16
Diisooctyl Phthalate	390.6	0.000002	5	40
Diisopropanolamine	133.2	0.000095	5	40
Diisopropyl Benzene, 1,3	162.3	0.01	5	40
Diisopropyl Benzene, m	162.3	0.01	5	40
Diisopropyl Benzene, p	162.3	0.01	5	40
Diisopropyl Succinate	202.25	0.0030	2	16
Diisopropylbiphenyls (Diisopropylbiphenyls [Bis (1-methylethyl) -1, 1' biphenyl])	238	0.0002	2	16
Diisopropylene Glycol	134.2	0.00006	5	40
Diisopropylnaphthalene	212	0.0005	2	16
Diisotridecyladipate	510.83	3.69E-07	2	16
Dimethenamide-P	275.8	0.0001	2	16
Dimethyl 4 Heptanol, 2,6	144.3	0.01	3	24
Dimethyl 4 Heptanone, 2,6	142.2	0.06	2	16
Dimethyl Acetamide	87.1	0.05	2	16
Dimethyl Adepate	174	0.004	2	16
Dimethyl Aminobenzaldehyde, p	149.2	0.0000	5	40
Dimethyl Cyclohexane (Cis), 1,2	112.2	0.34	3	24
Dimethyl Cyclohexane (Cis), 1,4	112.2	0.42	2	16
Dimethyl Cyclohexane (Trans), 1,2	112.2	0.45	2	16
Dimethyl Cyclohexane (Trans), 1,3	112.2	0.41	2	16
Dimethyl Ester	146	0.00041	2	16
Dimethyl Formamide	73.1	0.09	1	8
Dimethyl Glutarate	160	0.004	1	8
Dimethyl Heptane, 2,2	128.3	0.26	4	32
Dimethyl Heptane, 2,3	128.3	0.19	5	40
Dimethyl Heptane, 2,4	128.3	0.25	4	32
Dimethyl Heptane, 2,5	128.3	0.22	4	32
Dimethyl Heptane, 2,6	128.3	0.22	4	32
Dimethyl Heptane, 3,3	128.3	0.22	4	32
Dimethyl Heptane, 3,4	128.3	0.19	5	40
Dimethyl Heptane, 3,5	128.3	0.22	4	32
Dimethyl Heptane, 4,4	128.3	0.24	4	32
Dimethyl Malonate	132.2	0.01	1	8
Dimethyl Octane, 2,7	142.3	0.08	5	40
Dimethyl Phthalate	194.2	0.0002	5	40
Dimethyl Sulfoxide	78.1	0.01	5	40
Dimethyl Terephthalete	194.2	0.0001	2	16

Dimethylamino propyl methacrylamide	170.3	0.0002	2	16
Dimethylaminoethyl Methacrylate	157.2	0.01	4	32
Dimorpholinodiethylether (2,2-)	244	0.0100	2	16
Dinitrobenzene, m	168.1	0.0000	5	40
Dinitrobenzene, o	168.1	0.0000	5	40
Dinitrotoluene, 2,4	182.1	0.00001	5	40
Dinitrotoluene, 2,6	182.1	0.00001	5	40
Dinitrotoluene, 3,4	182.1	0.00001	5	40
Dinonyl Ether	270.5	0.0097	1	8
Dinonyl Phenol	346.6	0.001	5	40
Dinoseb (4,6-Dinitro-2-Sec-Butyl Phenol)	240	0.000004	2	16
Dioctyl Adipate (DOA)	370.6	0.001	2	16
Dioctyl maleate	340	0.0000	2	16
Dioctyl Phthalate	390.6	2.00E-07	5	40
Dioctyl Terephthalate (Dioctyl Terephthalate (as benzenedicarboxylic acid, dihexyl ester, 1,2-))	390	0.001	2	16
Dioxane 2,6 Dione, 1,4	116.1	0.014	1	8
Dipentene	136.2	0.06	5	40
Diphenyl Acetylene (Tolan)	178.2	0.0000	5	40
Diphenyl Amine	169.2	0.0001	5	40
Diphenyl Ethane, 1,1	182.3	0.0009	1	8
Diphenyl Ethane, 1,2 (Dibenzyl)	182.3	0.0009	1	8
Diphenyl Methane 4, 4 Diisocyante	250.3	0.00002	1	8
Diphenyltriazine, 1,3 (Diazoaminobenzene)	197.2	0.0000	5	40
Dipropyl Ketone	114.2	0.03	5	40
Dipropyl Sulfone	150.2	0.0019	5	40
Dipropylene Glycol	134.2	0.0044	5	40
Dipropylene glycol methyl ether acetate	190	0.003	2	16
Dipropylheptyl Phthalate	446	0.00002	2	16
Diquat dibromide	344	0.0000	2	16
Dirty No.2 Oil	130	0.01	5	40
Disipropylene Glycol Dibenzoate	342	0.0001	2	16
Disodium Cocoampho Diacetate	500	0.0004	1	8
Disodium Iminodiacetate Solution (Disodium Iminodiacetate, Trisodium Nitrilotriacetate Acid, and Water)	177.1	0.0001	2	16
Dissolvine (Mixture of Ethyl Diamine Tetraacetic Acid Tripotassium Salt in Water)	406.49	0.0000	2	16
Distillate Fuel No.2	130	0.01	5	40
Di-tert-butylphenol, 2,4 (2,4-dtbp)	206.4	0.004	4	32

Ditridecyl Phthalate	489	0.0000	2	16
Ditridecyl Phthalate	538	1.00E-07	5	40
Diundecyl Phthalate	474.72	0.0010	2	16
Divinyl Benzene, 1,3	130.2	0.02	5	40
Divinyl Benzene, m	130.2	0.01	5	40
DL-Alpha-Tocopheryl Acetate	472.8	0.0000	2	16
Dl-methionine ((2-amino-4-methylthio) Butryic Acid)	149.22	0.0000	2	16
DMA R (6) Weed Killer (Dichlorophenoxyacetic Acid Dimethylamine Salt/water)	264.1	0.00001	5	40
Docosanoic Acid	340.6	0.0002	2	16
Dodecanal, 1	184.3	0.00192	5	40
Dodecane	170.3	0.0088	5	40
Dodecanedioic Acid	230	0.0000	2	16
Dodecanoic Acid	200.3	0.000004	5	40
Dodecatriene (1,6,10-)	204.36	0.0100	2	16
Dodecene, 1	168.3	0.0084	3	24
Dodecenyl Butanedioic Acid	285	6.96E-08	2	16
Dodecenylksuccinic Anhydride	266.4	0.02	1	8
Dodecyclamine	185.4	0.0007	5	40
Dodecyl Alcohol	186.3	0.0001	5	40
Dodecyl Benzene	240	0.00002	5	40
Dodecyl Benzene Sulfonic Acid	240	0.02	5	40
Dodecyl Mercaptan	202.4	0.0005	5	40
Dodecyl Phenol	262.2	0.0000	1	8
Dow Corning 1194	18.1	0.142	5	40
DOW IC 210 Chelant (Aminocarboxylate sodium salt, Sodium Hydroxide, Water, and Sodium Glycolate (glycolic acid sodium salt))	358.2	1.00E-07	2	16
Dowtherm Sr-i (Ethylene Glycol/water/dipotassium Phosphate)	62.1	0.0001	5	40
DTPMP (Diethylenetriamine penta (Methylene phosphoric) acid, sodium salt)	734	0.0001	2	16
Dur-o-cryl 69A (Aqueous Acrylic Polymer/Surfactant)	600	0.001	1	8
DYNO HR (Diethanolamine and Other Alkanolamines Inaqueous Solution)	117.19	0.006	2	16
ECA Composite (Alicyclic Anhydried Mixture)	266.4	0.01	2	16
EHMA (Ethyl Hexyl Methacrylate)	198.3	0.005	2	16
EMI 845 Barium Sulfate (Barite(barium Sulfate, Silica (Crystaline Quartz), Mica (Aluminum Silicate Mineral), and Sodium Chloride Brine)	398.18	0.0000	2	16

EMPICOL (Sulfosuccinate [poly(oxy-1,2-ethanediyl) alpha-(3-carboxy-1-oxosulfopropyl)-omega-hydroxy C10-C16-alky ethers, sodium salts], Sodium Sulfate, and C12-C18 Ethoxylated Alcohol)	560	0.0001	2	16
Enviro Tech MW (Aqueous Solution of Triazine, Hedta Trisodium Salt,and Ferric Sulfate)	216	0.0012	2	16
Epoxidized Soy Bean Oil	1000	0.0004	1	8
Epoxy Resin	175	0.02	5	40
Ethacryl (2-propenoic acid, polymer w/methyloxirane polymer and water)	300	0.0001	1	8
Ethanediol, 1,2	62.1	0.005	5	40
Ethanol, 2, (2 Ethoxyethoxy)	134.2	0.008	5	40
Ethomeen C/12 (N-coco Alkyl-2,2-iminobis-ethanol)	285	0.002	5	40
Ethoprop	242.3	0.0001	2	16
Ethoxylated 2-ethylhexanol	482.65	0.001	2	16
Ethoxylated alcohol C6-C12	196	0.019	2	16
Ethoxylated Fatty Alcohol	1150	0.001	2	16
Ethoxylated Polyoxypropylene (Antarox P104 h)	250	0.001	5	40
Ethyl 1,3 Hexanediol, 2	146.2	0.0014	5	40
Ethyl 2 Methyl Hexane, 3	128.3	0.21	4	32
Ethyl 2 Methyl Hexane, 4	128.3	0.24	4	32
Ethyl 2,2 Dimethyl Pentane, 3	128.3	0.27	3	24
Ethyl 2,3 Dimethyl Pentane, 3	128.3	0.18	5	40
Ethyl 2,4 Dimethyl Pentane, 3	128.3	0.24	4	32
Ethyl 3 Methyl Hexane, 3	128.3	0.2	5	40
Ethyl 4 Methyl Hexane, 3	128.3	0.19	5	40
Ethyl Acetoacetate	130.1	0.02	5	40
Ethyl Acrylic Acid, a	100.1	0.01	1	8
Ethyl Benzene	106.2	0.23	2	16
Ethyl Benzoate	150.2	0.01	5	40
Ethyl Butanol, 2	102.2	0.04	2	16
Ethyl Butyl Ketone	142.2	0.04	5	40
Ethyl Butyric Acid	116.2	0.0101	3	24
Ethyl Carbomate	89.1	0.01	2	16
Ethyl Cyanoacetate	113.1	0.0022	5	40
Ethyl Cyclohexane	112.2	0.3	5	40
Ethyl Glycolate	104.1	0.05	1	8
Ethyl Heptane, 3	128.3	0.16	5	40
Ethyl Heptane, 4	128.3	0.18	5	40

Ethyl Hexanal, 2	128.2	0.09	4	32
Ethyl Hexane	114.2	0.47	2	16
Ethyl Hexane, 3	114.2	0.47	2	16
Ethyl Hexanoic Acid	144.2	0.001	5	40
Ethyl Hexanol, 2	130.2	0.014	5	40
Ethyl Hexoic Acid	144.2	0.001	5	40
Ethyl Hexyl Acetate, 2	172.3	0.01	5	40
Ethyl Hexyl Acrylate	198.2	0.01	1	8
Ethyl Hexyl Acrylate, 2	198.2	0.01	1	8
Ethyl Lactate	118.1	0.09	5	40
Ethyl Naphthalene, 1	156.2	0.009	1	8
Ethyl O Xylene, 3	134.2	0.02	5	40
Ethyl Phenol, 2	122.2	0.01	3	24
Ethyl Phenol, 3	122.2	0.001	5	40
Ethyl Phenol, p	122.2	0.001	5	40
Ethyl Salicylate	166.2	0.0012	5	40
Ethyl Toluene, m	121	0.07	5	40
Ethyl Toluene, o	120.2	0.06	5	40
Ethyl Toluene, p	120.2	0.07	5	40
Ethylene Bis Chloroformate	185	0.0000	5	40
Ethylene Carbonate (Dioxolone,-2)	88.1	0.0015	1	8
Ethylene glycol mono-2-ethylhexyl ether	174	0.0010	2	16
Ethylene Glycol Monobutyl Ether Acetate	160.2	0.03	2	16
Ethylene Glycol Monoethyl Ether Acetate	120.2	0.03	2	16
Ethylene Glycol Monomethyl Ether Acetate	118.2	0.02	3	24
Ethylenediamine Ethoxylate	412.52	0.00004	2	16
Ethylidene Diacetate	146.1	0.01	2	16
Exxsol D80 and Exxsol D95 (Hydrotreated light parafinic distillate)	177	0.0078	2	16
Fancy White Tallow	175	0.02	1	8
Fatty Acid	175	0.02	5	40
Fatty Alcohol	262	0.02	5	40
Fatty Amines	250	0.001	5	40
Fatty Oil	175	0.02	5	40
Ferric Ammonium Sulfate	392	0.0001	2	16
Ferric Chloride solution (Ferric Chloride and Water)	162.1	0.0000	2	16
Ferric Nitrate	404	0.0001	2	16
Flexon 680 (Petroleum Process Oil)	495	0.0002	5	40

FLO Xl (Mixture of Propylene Glycol Monomethyl Ether, Glycol Ether (Dipropylene Glycol Methyl Ether), and Alkyl Alcohol (1-hexanol))	90.12	0.2277	1	8
Flourescent Brightener (Benzenesulfonic acid, 2,2'-(1,2-ethenediyl)bis[5-[[4-[bis(2-hydroxyethyl)amino]-6-(phenylamino)-1,3,5-triazin-2-yl]amino]-, sodium salt)	960	0.0001	2	16
Foray 48b (Bacillus Thuringiensis)	180	0.00001	5	40
Formamide	45	0.0034	5	40
Formanilide	121.1	0.0019	5	40
Fuel Oil	130	0.01	5	40
Fuel Oil No 6	190	0.00005	5	40
Fuel Oil No.2	130	0.01	5	40
Fuel Oil No.4	150	0.0072	5	40
Fuel Oil No.5	170	0.0004	5	40
Furfuryl Alcohol	98.1	0.02	5	40
Fyrol	206.49	3.90E-06	2	16
Gamma Butyrolactone	86.1	0.029	2	16
GDS12 Polymer Blend (Lignin Polymer (as Generic Polymer) and water)	16310	0.0000	2	16
Gluconic Acid (Glyconic Acid)	184	0.001	5	40
GLUCOPON 425 N/HH (Alkylpolyglucoside)	250	0.0019	1	8
Glutaric Acid	132.1	0.0001	2	16
Glutaric Anhydride	114.1	0.0000	5	40
Glutaric Anhydride (Gan)	114.8835	0.0001	2	16
Glutaronitrile	94.1	0.00048	5	40
Glycerine	92.1	0.00004	5	40
Glyceryl Triacetate	218.2	0.00015	5	40
Glycol Diacetate	148.2	0.01	2	16
Glycol Ether HB (Triethylene Glycol Monobutyl Ether)	206	0.002	2	16
Glycomul L (sorbitan laurate)	346.5	0.007	2	16
Glyphosate (N-(Phosphonomethyl)glycine)	169.1	0.0000	5	40
Great Lakes PHT4-Diol	627.9	0.0001	2	16
Guaiacol Glycidyl Ether- Ech (Crude Cge-ech)	41.2949	0.1859	2	16
Hallcomid M-8-10	196.4608	0.001	2	16
HD Ocenol 90/95 (Oleyl Alcohol, Cetyl Alcohol, 1-Tetradecanol, and Arachidyl Alcohol)	223.3	0.0000	2	16
HDSA (Mixture of Hexadecenylsuccinic, Octadecenylsuccinic, Hexadecene, Heptadecene, and Octadecene)	252.48	0.0001	2	16
Heating Oil #2	130	0.01	5	40

Heptadecane	240.5	0.00001	5	40
Heptadecanol, 1	256.5	1.00E-07	5	40
Heptanal, 1	114.2	0.07	1	8
Heptanoic Acid	130.2	0.0005	5	40
Heptanol, 1	116.2	0.01	5	40
Heptanol, 2	116.2	0.03	5	40
Heptanone, 4	114.2	0.03	5	40
Heptyl Alcohol	116.2	0.019	5	40
HERCON 195 Sizing Agent (Alkylketene Dimer)	220	0.0002	2	16
Hexadecane	226.4	0.00001	5	40
Hexadecanoic Acid	256.4	0.0000	5	40
Hexadecanol, 1	242.4	0.000001	5	40
Hexadecene, 1	224.4	0.0002	5	40
Hexadecyl Methacrylate	310.5	0.0001	2	16
Hexamethylenetetramine Solution (Hexamethylenetetramine and Water)	140	0.0001	2	16
Hexanediol Diacrylate	228	0.0193	2	16
Hexanediol, 1,6	118.2	0.00003	5	40
Hexanoic Acid	116.2	0.0007	5	40
Hexone	100.2	0.18	4	32
Hexyl Benzene	162.3	0.002	5	40
Hexyl Carbitol	190.3	0.0004	5	40
Hexyl Cellosolve	146.2	0.04	5	40
Hexylene Glycol	118.2	0.0001	5	40
Hexylene Glycol Diacetate	202.2	0.003	5	40
Hitec Lube Oil Performance Additive(mineral Oil)	200	0.003	2	16
Hostapon SI (2-hydroxyethane sulfonic acid, sodium salt)	148.1	0.0001	2	16
Hydraulic Oil	150	0.001	5	40
Hydrochloric Acid, 35%	36.5	0.013	1	8
Hydroflourosilicic Acid (Rail or Hfs)	144	0.4836	2	16
Hydroquinone Bis (2-Hydroxyethyl) Ether	198	1.09E-06	2	16
Hydrotreated Middle Distillate	174	0.001	5	40
Hydroxy 2 Methoxy 4 Propenyl Benzene(cis), 1	164.2	0.0000	5	40
Hydroxy 4 Isopropyl 1 Methyl Benzene, 2	150.2	0.0000	5	40
Hydroxy 4 Methyl 2 Pentanone, 4	116.2	0.04	5	40
Hydroxy Propionitrile	71.1	0.004	3	24
Hydroxybutyl vinyl ether (4-(Vinyloxy)butan-1-ol)	116.2	0.0044	2	16

Hydroxycaproic Acid	132.2	0.0000	5	40
Hydroxycarboxylic Acid (Fatty Acid; Sodiumglucoheptanate, Gluconic Acid)	220	0.00001	5	40
Hydroxyethyl Acrylate	116	0.0030	2	16
Hydroxylactone Pentanoic Acid	100.1	0.01	3	24
Hydroxylamine Sulfate Solution	164.14	0.0001	5	40
Hydroxypropyl Acrylate	130.14	0.001	2	16
ICONOL (Alkoxylated Alkylphenol)	479	0.0012	2	16
Imidazoline (Product Code 543)	375	0.00001	2	16
Iminodisuccinic Acid Sodium Salt Solution (Iminodisuccinic Acid Sodium salt and Water)	249.2	0.0001	2	16
Indole (2,3-benzopyrrole)	117.2	0.00075	1	8
Indoxacarb	528	0.0001	2	16
Intercide ABF-2 DHIP (10, 10'-Oxybisphenoxarsine and Dilsoheptyl Phthalate)	310.1	1.00E-04	2	16
Irganox 5057	371	0.001	2	16
Isoamyl Acetate	130.2	0.13	2	16
Isobornyl Methacrylate	222.32	0.0010	2	16
Isobutyl Alcohol	74.1	0.26	2	16
Isobutyl Benzene	134.2	0.05	4	32
Isobutyl Heptyl Ketone	184.3	0.01	5	40
Isobutyl Isobutyrate	144.2	0.12	5	40
Isobutyl Methacrylate	142.2	0.07	5	40
Isodecyl Alcohol	158.3	0.0014	5	40
Isononyl Alcohol	144.3	0.001	5	40
Isooctadecanoic Acid	284.5	1.29E-07	2	16
Isooctanoic Acid	144.2	0.0000	2	16
Isooctyl Alcohol	130.2	0.01	5	40
Isopar G	145	0.0334	1	8
Isopar H	152	0.0145	2	16
Isopar K	154	0.0145	2	16
Isopar L	163	0.0102	2	16
Isopar M	189	0.0218	1	8
Isopar V	237	0.0145	1	8
Isopentyl Isovalerate	172.3	0.02	1	8
Isophorone	138.2	0.01	5	40
Isophorone Diamine	180	0.0002	5	40
Isopropanolamine	75.1	0.03	3	24
Isopropyl 4 Methyl Benzene, 1	134.2	0.04	2	16
Isopropyl palmitate	298.5	0.001	2	16

Isopropylaminoethanol	103.2	0.0120	1	8
Isotaine LHS-50 (Lauryl Hydroxy Sultaine and Sodium Chloride)	351.5	0.0001	2	16
Isotaine LHS-50 (Lauryl Hydroxy Sultaine, Sodium Chloride, and Water)	351.5	0.0001	2	16
Isotearic Acid	284.5	0.003	2	16
Isotridecanol	200	0.0004	2	16
JCZR40 (JEFFCAT ZR-40) (1,3-Prpanediamine, N-[3-(dimethylamino) propyl]-N,N',N'-trimethyl)	187	0.0001	1	8
Jeffamine A-4G220 (2-Propenoic acid homopolymerreaction with polyoxyalkeyleneamine, sodium salt and Water)	1000	0.005	2	16
Jeffcat LE 60 (Huntsman; Dimethylaminoethoxypropylamine)	146	0.001	2	16
Jeffcat TR 90 (1,3,5-Tris[3-(dimethylamino)propyl]hexahydro-1,3,5-triazine)	342.6	0.0001	2	16
Jet A	130	0.02	3	24
Jowacoll (Mixutre of Calcium Carbonate and Polymer)	100.1	0.0000	2	16
JP 4	80	0.02	5	40
Kerosene (Jp-1)	128.3	0.02	5	40
K-Flex 500S (Oxydiethylene Dibenzoate, Oxydipropyl Dibenzoate,Dipropyleneglycol Monobenzoate, and 2-(2-Hydroxyethoxy) Ethyl Benzoate)	314.3	1.34E-06	2	16
Klaraid PC1192 (aqueous)	8500	0.00001	2	16
Knockout 50 (Ammonium Bisulfite)	99.1	0.000001	2	16
Koalin (syns. Porcelain Clay, Loalinite, China Clay, Bolus)	258	1.00E-07	2	16
Lactamide	89	0.0001	2	16
Lactic Acid	90.1	0.004	3	24
Lactonitrile (Acetaldehyde Cyanohydrin)	71.1	0.007	1	8
Lanolin	150	0.02	1	8
Lard Oil	175	0.0001	5	40
Latex Rubber	500	0.002	2	16
Lauryl Methacrylate	254.5	0.01	4	32
Leucophor AP 2,2'-(1,2- Etenediil)bis 5-[[(4-[(3-Ammino-3-Oxypropyl)(2-Hydroxyethyl)amino]-6-(Phenylamino)-1,3,5-Triazin-2- Yl]Amino, and Water)	974.6	0.0001	2	16
Levulinic Acid	116.1	0.00014	5	40
Lial III (C-11 Alcohols)	174.3	0.0008	2	16
Light Naphthenic Hydrotreated Distillates	174	0.004	2	16

Limonene, d	136.2	0.05	5	40
Linalool	154.3	0.008	2	16
Linseed Oil	150	0.02	1	8
LIPREN B (Polychlorprene and Water)	88.5	0.001	2	16
Liquid Detergent	260	0.002	5	40
Liquid Plastic	175	0.005	3	24
Liquid Resins	220	0.02	1	8
Lithium Acetate Solution (Lithium Acetate and Water)	66	1.00E-09	2	16
Lo-cat Chelate Make-up Solution,detergent (Trisodium Nitnlotriacetate)	257	0.001	5	40
Lube Oil	250	0.01	5	40
Lube Oil Additives	380	0.0012	5	40
Lubrizol 10686	200	0.0012	5	40
Lubrizol 11295	200	0.0012	5	40
Lubrizol 12159	200	0.0001	5	40
Lubrizol 12888	200	0.0012	5	40
Lubrizol 15610	200	0.0012	5	40
Lubrizol 3132	200	0.0012	5	40
Lubrizol 3510	200	0.0012	5	40
Lubrizol 3511	200	0.0012	5	40
Lubrizol 3513	200	0.0012	5	40
Lubrizol 3521	200	0.0012	5	40
Lubrizol 4404	200	0.0012	5	40
Lubrizol 4410	200	0.0012	5	40
Lubrizol 78002	200	0.0012	5	40
Lubrizol 7901 (Paraffins Chloro (Chlorinated Paraffins) and mineral Oil)	15.7	0.0067	2	16
Lubrizol 8952	250	0.001	5	40
Lubrizol Concentrate 156-10	200	0.0012	5	40
Lubrizol Concentrate 58	200	0.0012	5	40
Lubrizol Concentrate 910	200	0.0012	5	40
Lubrizol Concentrate 99	200	0.0012	5	40
Lubrizol G-agent 1191	200	0.0012	5	40
Lubrizol G-agent 1202	200	0.0012	5	40
Lubrizol G-agent 1203	200	0.0012	5	40
Lubrizol G-agent 1395	200	0.0012	5	40
Lubrizol G-agent 1937	200	0.0012	5	40
Lubrizol G-agent 1984	200	0.0012	5	40
Lubrizol G-agent 803	200	0.0012	5	40
Lubrizol G-agent 943	200	0.0012	5	40

Lubrizol Product	200	0.01	1	8
M2502 (Alkanolamine Phosphate salt dissolved in aqueous solution)	320	0.002	2	16
Mackam 35 Hp (Shampoo) (Cocoamidopropyldimethyl Betaine)	270	0.0001	5	40
Macrylnal SM 510N/60LG (Glycidyl Ester of Neodecanic Acid, Naphtha Solvent, Xylene, n-Butyl Acetate, and Synthetic Polymer Resin)	109.7	0.1016	2	16
Magnesium Chloride Solution	95.2	0.0001	2	16
Magnesium Hydroxide	58	0.0000	2	16
Magnesium Nitrate	256.41	0.0000	2	16
Magnesium Sulfate Solution (Epsom Salts) (Magnesium Sulfate and Water)	246	0.0000	2	16
Malathion	330.4	0.0001	5	40
Mancozeb	541	0.00004	2	16
Manganese Acetate Solution	245	0.0001	2	16
Marcanol G-26 (Polyoxyethylene Glyceryl Ether and Water)	1000	0.0193	1	8
Marlotherm (Methylbis (Phenylmethyl) Benzene)	272.4	0.001	2	16
Mayoquest 1500 (1-Hydroxyethylidene-1,1-Diphosphonic Acid and Water)	206	0.0001	2	16
MCP 390 (Phosphoric acid, bis (2-ethylhexyl) ester and Phosphoric acid, mono (2-ethylhexyl) ester)	313	0.0018	1	8
MDI (Methylen Diphenyl Diisocyanate)	250.3	0.00002	1	8
Medicinal Parafins	380	0.00001	5	40
Melamine-formaldehyde Resin (Resimene 745)	500	0.00001	2	16
Methacrylic Acid	86.1	0.03	5	40
Methanesulfonic Acid	96.1	0.002	5	40
Methoxy Acetic Acid	90.1	0.0035	5	40
Methoxy Butanol	140.1	0.017	5	40
Methoxy Phenol, p	124.1	0.0009	5	40
Methoxy Propionitrile, 3	85.1	0.05	5	40
Methoxypolyethylene Glycol	350	0.0010	2	16
Methyl 1 Pentanol, 2	102.2	0.05	2	16
Methyl 1 Propanol, 2	74.1	0.26	1	8
Methyl 2 Pentanone, 4	100.2	0.18	2	16
Methyl 2 Pyrrolidine	99.1	0.01	2	16
Methyl 6-ethylaniline, 2	135.2	0.0001	5	40
Methyl 9-dedecenoate	212	0.0003	2	16
Methyl Acetoacetate	116.1	0.02	5	40
Methyl Benzoate	136.2	0.01	4	32

Methyl Caprate (Methyl Decanoate)	186.3	0.0019	5	40
Methyl Caprylate	158.2	0.01	2	16
Methyl Carbitol	120.1	0.004	5	40
Methyl Carbitol Solvent	120.2	0.004	5	40
Methyl Cellosolve Acetate	118.1	0.07	1	8
Methyl Cyanoacetate	99.1	0.0073	5	40
Methyl Cyclohexanol (Cis), 2	114.2	0.04	5	40
Methyl Cyclohexanol (Cis), 3	114.2	0.01	5	40
Methyl Cyclohexanol (Cis), 4	114.2	0.01	5	40
Methyl Cyclohexanol (Trans)	114.2	0.03	5	40
Methyl Cyclohexanol (Trans), 3	114.2	0.01	5	40
Methyl Cyclohexanol (Trans), 4	114.2	0.01	5	40
Methyl Cyclohexanol, 1	114.2	0.03	5	40
Methyl Diethanolamine	119.2	0.01	5	40
Methyl Diphenylamine	183.31	0.0001	5	40
Methyl Ethanolamine	75.1	0.04	1	8
Methyl Formamide	59.1	0.01	5	40
Methyl Glucoside	194.2	0.00001	2	16
Methyl Glutaronitrile	108.1	0.0012	5	40
Methyl Glycolate	90.1	0.07	1	8
Methyl Heptane	114.2	0.48	2	16
Methyl Heptane, 2	114.2	0.48	2	16
Methyl Heptane, 3	114.2	0.46	2	16
Methyl Heptane, 4	114.2	0.48	2	16
Methyl Indene, 1	130.2	0.01	5	40
Methyl Indene, 2	130.2	0.03	4	32
Methyl Laurate	214.3	0.0010	2	16
Methyl Naphthalene	142.2	0.0001	5	40
Methyl Naphthalene, 2	142.2	0.0001	5	40
Methyl Octane, 2	128.3	0.15	5	40
Methyl Octane, 3	128.3	0.15	5	40
Methyl Octane, 4	128.3	0.16	5	40
Methyl Oleate	296.5	0.0012	5	40
Methyl Pentanoic Acid, 4	116.2	0.01	3	24
Methyl Pentanol, 2	102.2	0.05	2	16
Methyl Salicylate	152.2	0.0005	5	40
Methyl Styrene (Alpha)	118.2	0.04	1	8
Methyl Styrene, a-	118.2	0.07	1	8
Methyl Styrene, m	118.2	0.05	1	8

Methyl Styrene, o	118.2	0.05	1	8
Methyl Sulfolane	134.2	0.0001	5	40
Methyltetrahydrophthalic Anhydride	168	0.0006	2	16
Metolachlor (s-) (Acetamide, 2-chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl]-,(S))	283.8	0.001	2	16
Mighty ES-21 (Methacrylic acid-alkoxypoly (alylene oxide) methacrylate copolymer sodium salt)	1000	0.0001	2	16
Millsperse (mixture of Phosphonate Polymer, Water, and Maleic Acid)	200	0.0001	2	16
Mineral Spirits	150	0.08	5	40
Molyflo Flotation Oil (Light Cycle Oil)	130	0.0193	2	16
Monoethanolamine	61.1	0.01	4	32
MOWILITH (Vinylacetate/ethylene copolymerisate)	600	0.0001	2	16
MPDIOL Glycol	90	0.002	2	16
Mylose 662 (Glucose)	300	0.001	2	16
N-(1,3-Dimethylbutyl)-N'-phenyl-1,4-phenylenediamine	268.4	0.0001	2	16
N-(1,4-Dimethylpentyl)-N-Phenyl-P-Phenylenediamine	282	0.0001	2	16
N,N,N'-trimethyl-N'-hydroxyethyl-bisaminoethylether	190.28	0.0052	1	8
N,N-bis(2-hydroxyethyl) ethylenediamine	148	0.001	2	16
NA Lube ADTC (Alkyl Dibutyldithiocarbamate)	422.7	0.0012	1	8
N-Acetylmorpholine	129.2	0.0000	2	16
Nadic Methyl Anhydride	178	0.0001	2	16
Nafol 1822(Mixture of 1-octadecanol, 1-docosanol, and 1-eicosanol)	326.6	4.37E-10	2	16
Nalco 7369 Corrosion Inhibitor (Phosphoric Acid/zinc Chloride/water)	36.1	0.0000	5	40
NALSPERSE 7348 (Polyalkylene Glycol (polyethylene glycol))	400	0.0004	2	16
Naphitha: Coal Tar	80	0.08	5	40
Naphitha: Solvent	86.1	0.08	5	40
Naphtalenesulfonic Acid Polymer, Calcium Salt Solution (Naphtalenesulfonic Acid Polymer, Calcium Salt Solution and Water)	230	0.0001	2	16
Naphtalenesulfonic Acid Polymer, Sodium Salt Solution (Naphtalenesulfonic Acid Polymer, Sodium Salt Solution and Water)	258	0.0001	2	16
Naphthenic Acid	280	0.0004	2	16
Naphthol, 1	144.2	0.03	5	40
Napthalene	128.2	0.01	5	40

Naxonate 4l (Sodium Xylene Sulfonate/water/sodium Sulfate)	18	0.279	5	40
Nemacur Vl (Fenamiphos)	303	0.000001	5	40
Nemo 2001 (2-ethylhexyl Nitrate, Heavy Aromatic Solvent Naphtha, and Polymer)	120.4	0.01601	2	16
Neodene 1014	168	0.002	5	40
Neodol	186	0.0004	5	40
Neodymium Neodecanoate (neodecanoic acid, neodymium(3+) salt)	658.0	0.0001	2	16
Neoflex 9 (C9 Linear Primary Alcohol)	144	0.001	5	40
Neopentyl Glycol Digylcidyl Ether	216	0.0193	1	8
N-formylmorpholine	115.1	0.0145	2	16
NHP Ethanolamine Salt Solution (NHP Ethanolamine Salt , Mono ethanolamine, and water)	185	0.0027	2	16
Niax Polyol	500	0.0000	5	40
Nickel Nitrate Solution (Nickel nitrate (soluble salt) and water)	291	0.0000	2	16
Nitric Acid (<30%) Solution	63	0.0021	1	8
Nitrilotriacetic Trisodium Salt (Nitrilotriacetic Trisodium Salt and Water)	275	0.0001	2	16
Nitro 1,3 Xylene, 4	151.2	0.00027	5	40
Nitroaniline, m	138.1	0.000008	5	40
Nitroaniline, o	138.1	0.000047	5	40
Nitroanisole, o	153.1	0.00086	5	40
Nitroethane	75.1	0.48	3	24
Nitropropane, 1	89.1	0.23	1	8
Nitrotoluene, 2	137.1	0.01	2	16
Nitrotoluene, m	137.1	0.01	2	16
Nitrotoluene, o	137.1	0.01	2	16
Nitrotoluene, p	137.1	0.00035	5	40
Nonanal	142.2	0.01	5	40
Nonane	128.3	0.1	5	40
Nonanethiol, 1	160.3	0.006	1	8
Nonanol, 1	144.3	0.001	1	8
Nonanone, 2	142.2	0.02	3	24
Nonionic Polymer Surfactant (Pluronic PE 8100) (Nonionic Polymer Surfactant and Water)	500	1.00E-07	2	16
Nonyl Benzene	204.4	0.001	5	40
Nonyl Phenol	220.4	0.00004	5	40
Nonylamine	143.3	0.01	2	16
Nonyne, 1	124.2	0.15	2	16

N-pelargonic Acid (N-Pelargonic Acid and 2-Methyl Octanoic Acid)	163	1.00E-04	2	16
NYCOL (Morphous Silica and Water)	44	0.0000	2	16
Octadecanol	270.5	2.00E-09	2	16
Octanal	128.2	0.0012	5	40
Octane	114.2	0.33	3	24
Octanoic Acid	144.2	0.0000	5	40
Octanol, 1	130.2	0.0001	5	40
Octanol, 2	130.2	0.01	2	16
Octenylsuccinic Anhydride	210	0.0002	2	16
Octyne, 1	110.2	0.32	1	8
Odorless Solvent	150	0.04	1	8
Oil #5	170	0.0004	5	40
Oil #6	190	0.000055	5	40
Oleamide (Oleamide (9-Octadecenamide))	281	0.0001	2	16
Olefin 1516 (Branced Pentadecane/hexadecane Mix)	213.1429	0.001	2	16
Oleic Acid	282.4	0.000001	5	40
Oleyl Diamine	350	0.002	2	16
Oleyl Imidazoline	350.59	0.0001	2	16
Olga-319	380	0.0000	5	40
Oloa 1580 (Heavy Paraffinic Distillate)	290	0.001	5	40
Oloa-229	380	0.0000	5	40
O-Nitrochlorobenzene	157.6	0.0008	1	8
Orchex 795 (Hydrotreated Light Paraffinic Distillate)	330	0.001	5	40
Ortho-cumyl-octyl-phenol	300	0.0000	2	16
Palm Kernel Oil	175	0.01	3	24
Palm Oil	175	0.0001	5	40
PAO-4	500	0.0000	5	40
PAO-6	380	0.0000	5	40
Paramin	380	0.0000	5	40
Para-Tert-Octyphenol	206.3	0.0004	2	16
Peanut Oil	250	0.0001	5	40
Pennzane (Tri (2-octyldecyl) Cyclopentane)	910	0.0002	2	16
Pentadecane	212.4	0.0002	2	16
Pentadione, 2,4	100.1	0.21	1	8
Pentaisobutylene (Isoeiosene)	280	0.0145	1	8
Pentanediol, 1,5	104.2	0.00001	5	40
Pentanol	88.2	0.06	3	34
Pentanol, 2	88.2	0.18	1	8

Pentanone, 3	86.1	0.4	5	40
Pentyl Benzene	148.2	0.01	5	40
Petroleum Jelly	500	0.001	5	40
Petroleum Spirit	120	0.124	5	40
Petroleum Wax	500	0.001	5	40
Phenetidine, p	137.2	0.0004	5	40
Phenetole	122.2	0.04	1	8
Phenol	94.1	0.01	5	40
Phenol Formaldehyde Resin Alkoxylate	282	0.0001	2	16
Phenoxy Ethyl Acetate, 2	180.2	0.0043	5	40
Phenyl Chloroformate	162.6	0.02	1	8
Phenyl Ethanol, 2	122.2	0.0016	5	40
Phenyl Propenal, Trans 3	132.2	0.0015	1	8
Phenyl-o-xylylethane	210	0.001	1	8
Phosphate - Tris(Chloroethyl)	285	0.0097	1	8
Phosphoric Acid	98	0.0008	2	16
Phosphorous acid	82	2.10E-14	2	16
Phthalic Anhydride	148.1	0.0000	2	16
Pilot SXS-40 (Sodium Xylene Sulfonate and Water)	208.2	0.0001	2	16
Pliabrac 519 (Triisopropylated Phenyl Phosphate/triphenyl Phosphate)	362	1.00E-08	5	40
Pluronic Pe 8100 (Nonionic Polymer Surfactant)	500	0.0000	2	16
Poast plus Herbicide (Sethoxydim/water/inerts)	150	0.02	5	40
Poly Alkyl Pyridines (Aniline/quinoline/water)	93.1	0.017	1	8
Poly(1,4-butylene adipate)	263.13	1.4E-06	2	16
Polyacrylic acid	1000	0.0001	2	16
Polyalkylene glycol monobutyl ether	248	0.002	2	16
Polyaluminum Chloride Solution (Aqueousaluminum Chlorohydrate Solution)	174	0.0000	5	40
Polybutadiene	324	0.0000	5	40
Polybutene	320	0.01	5	40
Polydimethylsiloxane	300	0.001	2	16
Polyether Polyol	500	0.0001	5	40
Polyethylene Glycol Dimethyl Ether	280	0.0001	2	16
Polyethylene Glycol Monobutyl Ether (butoxytriglycol)	265	0.006	2	16
Polyfree 310 (Alkyl Phenylenediamine, Alkyl Phenol (2,6 di-tert-butyl phenol), Tri-Tert-Butylphenol, and-Butyl Phenol)	203.7	0.0002	2	16

Polyhydrogenmethylsiloxane (Polyhydrogenmethylsiloxane (as Methylsiloxane))	220	0.135	1	8
Polymin (Polyethyleneimine and Water)	276	0.001	2	16
Polyol (Trihydric and Greater Alcohols)	92	0.013	3	24
Polyolefin Anhydride (Lube Additvie)	800	0.005	1	8
Polyphosphoric Acid	98	0.001	2	16
Polypropylene Glycol Methyl Ether	148	0.003	2	16
POLYSWEET 100 (Carbohydrate, sugar solution)	130	0.0001	1	8
Polyvinyl Alcohol	1000.0	0.0001	2	16
Potassium 2-ethylhexanoate (2-ethylhexanoic acid, potassium salt)	182.0	0.0005	2	16
Potassium Acetate (Potassium Acetate and Water)	98	0.0001	2	16
Potassium Chloride Solution	74.6	0.0001	2	16
Potassium Formate Solution	84	0.0001	2	16
Potassium HEX-CEM 977 (Potassium 2-Ethylhexanoate and Diethylene Glycol)	103.3	0.0002	2	16
Potassium metaborate solution (Potassium metaborate solution (as Borate))	82	0.0001	2	16
Potassium Phenylacetate (64 % Aqueous Solution)	174.23	0.0001	2	16
Potassium Silicate (Potassium Silicate and Water)	154	0.0001	2	16
Potassium Thiosulfate Solution	190.3	0.0001	2	16
Princep 4L (2-chloro-4,6-bis(ethylamino)s-triazine)	201	1.05E-09	2	16
Propanediol, 1,2	76.1	0.01	5	40
Propanediol, 1,3	76.1	0.005	5	40
Propargite	350	0.0001	2	16
Propenyl Benzene (Cis)	118.2	0.04	1	8
Propiconazole	342.22	0.0010	2	16
Propionamide	73.1	0.001	5	40
Propionic Anhydride	130.1	0.03	2	16
Propiophenone	134.2	0.007	5	40
Propyl Benzene	120.2	0.08	4	32
Propyl Benzoate	164.2	0.006	1	8
Propyl Cellosolve (2-Propoxyethanol)	104.2	0.045	1	8
Propyl Cyclohexane	126.2	0.1	5	40
Propyl Cyclopentane	112.2	0.29	4	32
Propyl Disulfide	150.3	0.01	2	16
Propyl Methacrylate	128.2	0.15	4	32
Propyl Methacrylate	128.2	0.19	3	24

Propyl Propionate	116.2	0.35	4	32
Propylene Glycol Methyl Ether	90	0.4	2	16
Propylene glycol n-butyl ether	132	0.04	1	8
PVP/VA W-635 K-50 (Acetic Acid Ethenyl Ester with 1- Ethenyl-2-pyrrolidinone)	197.2	0.0001	2	16
Pyranol	172.3	0.0007	1	8
Pyrrolidone, 2	85.1	0.0000	5	40
Pyruvic Acid	85.1	0.03	4	32
Quakerol CLA 410 (N-Butylaminoethanol, Fatty Alcohol, Triethanolamine, and Water)	262	0.0003	2	16
Radiasurf 7150 (C16-c18 Mono- and Di-glycerides)	490	0.01	1	8
Rapeseed Oil	175	0.012	5	40
RE5909CRW Corrosion Inhibitor (Ethylene Glycol, Amine Derviatives, Quaternary Ammonium Compound, Sulfur Compound, Isopropanol, and Water)	250	0.0082	2	16
REFOS 35 (Isopropylated Triaryl Phosphate)	326.6	0.0005	2	16
Residential Fuel Oil	190	0.0005	5	40
Resin Oil 60	190	0.002	5	40
Resydrol Ay (Acrylic Modified Alkyd Resin Emulsion)	2200	0.00001	5	40
RHODAFAC BS-715 (Polyoxyethylene Tridecyl Ether Phosphate, Phsophoric Acid, Water, and Tridecyl Alcohol Ethoxylate)	590	0.0001	2	16
RHODAMOX LO (Amine derivatives in water)	257.5	0.0152	2	16
Rosin (as Resin, generic)	302	0.001	1	8
RSI-03100 (Ammonium phosphonate (as Phosphoric Acid Salt), Organic Salt, and Water)	720	0.4	2	16
Rubber Solvent (Naphtha)	90	0.124	5	40
Safflower Oil	175	0.012	5	40
SAYTEX Flame Retardant (Diol of Tetrabromophthalic Acid)	627.9	0.000041	2	16
SCR-100 Liquid (Anionic Polymer)	1000	0.0005	1	8
Shale Oil	140.0	0.0187	2	16
Silicone (Dabco Dc 5160 Surfactant)	125	0.002	5	40
s-Metolachlor Tech (S-metolachlor)	283	0.0001	2	16
Snowtex-00c (Colloidial Silica/silicon Dioxide, Amorphous Silica	60.1	0.0000	2	16
Sodium 2-methyl-2-((1-oxoallyl)amino)) propanesulphonate	229.2	0.0001	2	16
Sodium Acetate Crude	82.04	0.0027	5	40
Sodium Aluminate Solution (Sodium Aluminate and Water)	217	0.0001	2	16

Sodium Benzotriazole	141.15	0.00004	2	16
Sodium Borohydride	97.89	0.0000	2	16
Sodium Bromide Solution	102.88	0.00001	5	40
Sodium Carbonate	106	0.0001	5	40
Sodium Chloride Solution (Sodium Chloride and Water)	58	0.0000	2	16
Sodium Cresylate Solution	175	0.01	1	8
Sodium Decyl Sulfate	260	0.0001	2	16
Sodium ethanolate	68.1	0.004	1	8
Sodium Gluconate	218	0.0001	2	16
Sodium Glycinate Solution	97	0.0010	2	16
Sodium Hexametaphosphate (sodium hexametaphosphate (as sodium phosphate))	611.8	0.0000	2	16
Sodium Hydrosulfide	57.1	0.001	5	40
Sodium hydroxy-nonylphenyl-N-methylglycinate	343	1.74E-08	2	16
Sodium Iodide Solution	342	0.0001	2	16
Sodium Isethionate Solution (Sodium Isethionate and Water)	148	0.0001	2	16
Sodium Laureth Sulfate	385	0.001	1	8
Sodium lauriminodipropionate	373	0.0001	2	16
Sodium Lignosulfonate	534.5	0.0001	2	16
Sodium Molybdate Dihydrate	242	0.00001	2	16
Sodium Nitrate Solution (Aqueous)	69	0.0000	2	16
Sodium Nitrite Solution (Sodium Nitrite and water)	69	1.00E-08	2	16
Sodium Slat of Hydroxy Pyrimidine	175.2	0.02	2	16
Sodium Sulfide	78	0.001	5	40
Sodium Sulfide Solution	150	0.002	2	16
Sodium Sulfide Waste	78	0.02	1	8
Sodium Thiocarbonate	154.2	0.0001	2	16
Sodium Thiocyanate	81	0.00002	5	40
Sodium Thiosulfate	158	0.0001	2	16
Sodium Tolytriazole (Aqueous Solution)	156	0.002	2	16
Sodium-tert-butyl pyrimidin-5-olate	175	0.0010	2	16
Sokalan Hp 80 (Polymer)	40	0.0000	2	16
Solvent 100	190	0.11	2	16
Soybean Oil	175	0.012	5	40
Sr Neutral Oil, 325	250	0.01	2	16
Stearyl Amine	269.5	0.001	2	16
Stilbene (Cis)	180.2	0.0000	5	40

Styrenated Phenols	406	0.0010	2	16
Styrene Oxide	120.2	0.03	3	24
Succinic Acid	118.1	0.0001	2	16
Succinic Anhydride	100.1	0.0007	5	40
Succinimide	99.1	0.0003	2	16
Succinonitrile	80.1	0.001	5	40
Sucrose	342	0.0001	2	16
Sulfolane	120.2	0.0003	5	40
Sulfomed A 450 (Sodium Salt of Sulfonic Acid in Mineral Oil)	450	0.001	1	8
Sulfonates, Alkyl	348.5	0.0001	5	40
Sulfonic Alkylate	316	0.00021	5	40
SULFRZOL 54 (Alkylpolysulfide)	398	1.99E-06	2	16
Sulfuric Acid (Aqueous Solution)	98.02	0.0000	5	40
Sunflower oil	200	0.001	2	16
Surfactant	628	0.0002	5	40
Surfonic Agm55o (Alkylamine Ethoxylate; Aminealkoxylate)	230	0.0001	5	40
SW Tenslo-100B (N-(2-carboxyethyl)-N-(n-octyl) mono salt)	89.1	0.00001	2	16
T 7 (N-butyl-2,2,6,6-tetramethylpiperidin-4-amine)	3500	2.03E-08	2	16
Tall Oil	250	0.001	5	40
Tallow Diamine	204	0.0001	2	16
Tamol L (Naphthalene Sulfonic Acid, Sodium Salt, and Water)	230	0.0001	2	16
Tanatex BTMAC (Benzyl Trimethyl Ammonium Chloride and water)	185	4.20E-08	2	16
Tcpp (Tris-(5-chloropropyl) Phosphate)	327.5	0.0397	5	40
Terephthaylol Chloride	168.2	0.00028	2	16
Terpinolene	136.2	0.01	5	40
Tetrabromoethane, 1,1,2,2	345.7	0.0014	5	40
Tetrabutyl Urea	284.5	0.003	2	16
Tetradecane	198.4	0.0008	5	40
Tetradecanol, 1	214.4	0.00001	5	40
Tetradecene, 1	196.4	0.0001	5	40
Tetradecyl Dimethylamine	241.46	0.0030	2	16
Tetradecylamine	213.4	0.000076	5	40
Tetraethylene Glycol	194.2	0.0005	5	40
Tetraethylene Glycol Dimethyl Ether	222.3	0.0014	5	40
Tetraethylene Pentamine	189.3	0.0001	5	40

Tetraethyleneglycol Monomethyl Ether (Tetraethyleneglycol Monomethyl Ether (as ethylene glycol monomethyl ether)	208	0.0001	2	16
Tetrahydrofurfuryl Alcohol	102.1	0.02	5	40
Tetrahydronaphthalene	132.2	0.03	5	40
Tetrahydronaphthalene, 1,2,3,4	132.2	0.01	5	40
Tetramethyl Benzene, 1,2,3,5	134.2	0.01	5	40
Tetramethyl Benzene, 1,2,4,5	134.2	0.01	5	40
Tetramethyl Guanidine, 1,1,3,3	115.2	0.02	1	8
Tetramethyl iminobispropylamine	187.33	0.008	1	8
Tetramethyl Pentane, 2,2,3,3	128.3	0.22	2	16
Tetramethyl Pentane, 2,2,3,4	128.3	0.3	3	24
Tetramethyl Pentane, 2,2,4,4	128.3	0.46	2	16
Tetramethyl Pentane, 2,3,3,4	128.3	0.21	4	32
Tetrapotassium Pyrophosphate	329.9	0.001	5	40
Tetrapropyl orthotitanate	284.2	0.0043	1	8
Tetrapropylene Glycol	251	0.0001	2	16
Texanol (Tetradecanol)	216.4	0.000004	5	40
Therminol 66 (Heat Transfer Fluid) (Terphenyl, hydrogenated, Quaterphenyls and higher polyphenyls, Terphenyl)	238.3	0.0187	1	8
Tinopal (Aqueous Stilbene Slurry)	180	0.00001	5	40
Tirethylcyclopent-3-ene-1-acetaldehyde	152.2	0.0100	2	16
Titanium Dioxide Solution	79.9	0.0000	5	40
Titanium Sulfate	160	0.0001	2	16
Tolualdehyde, p	120.2	0.01	3	24
Toluene Diamine	122.2	0.0001	5	40
Toluene Sulfonic Acid	172.2	0.0001	1	8
Toluidine, m	107.2	0.01	2	16
Toluidine, o	107.2	0.01	2	16
Toluidine, p	107.2	0.01	2	16
TONE Monomer M-100 (2-Oxepanone homopolymer2-[(1-oxo-2-propenyl)oxy]ethyl ester, 2-Hydroxyethyl Acrylate, Acrylic Acid Diester with ethylene glycol, and 2-Oxepanone)	185.8	0.0005	2	16
TOTM (Trioctyl Trimelliate)	547	0.003	1	8
TRASAR 23289 Dispersant (Sodium Formaldehyde Bisulfite, Water, and Sodiun Bisulfate)	134.1	1.20E-07	2	16
Tribenzyl Phosphine Solution (Tribenzyl Phosphine and 2-Ethylhexanol mixture)	128.3	0.086	2	16
Tributyl)-acetylcitrate	403	0.001	2	16
Tributylamine	185.4	0.012	1	8

Tributylene Glycol Biborate	285.94	0.0002	2	16
Trichloro Sucrose	397.63	0.0001	2	16
Trichloroacetic Anhydride	308.8	0.0000	5	40
Trichlorobenzene, 1,2,4	181.4	0.0066	5	40
Trichlorobutane, 1,2, 3	161.5	0.1	1	8
Trichloropropane, 1,2,3	147.4	0.08	1	8
Tricyclopentadiene	198.31	0.0040	2	16
Tridecanal, 1	198.3	0.00024	5	40
Tridecane	184.4	0.0031	5	40
Tridecanol, 1	200.4	0.001	5	40
Tridecene, 1	182.3	0.0034	5	40
Triethanolamine	149.2	0.0001	5	40
Triethanolamine Acetate	209	0.0004	2	16
Triethleneglycol bis(2-ethyl hexanoate)	402	0.001	2	16
Triethylene Glycol	150.2	0.0001	5	40
Triethylene Glycol Methyl Ether (Triethylene Glycol Methyl Ether (Methoxytriglycol))	164	0.0001	1	8
Triethylene Glycol Monoethyl Ether	178	0.0001	2	16
Triethylenetetramine	146.2	0.006	5	40
Triisobutylamine	185.4	0.01	2	16
Triisopropanolamine	192	0.0001	2	16
Triisopropylated Phenol Phosphate	362	1.00E-08	5	40
Triisotridecyl phosphite	629	0.0001	2	16
Trimethyl Benzene, 1,2,3	120.2	0.04	5	40
Trimethyl Benzene, 1,2,4	120.2	0.05	5	40
Trimethyl Benzene, 1,3,5	120.2	0.06	5	40
Trimethyl Hexane 2,2,3	128.3	0.27	2	16
Trimethyl Hexane, 2,2,4	128.3	0.35	2	16
Trimethyl Hexane, 2,2,5	128.3	0.39	2	16
Trimethyl Hexane, 2,3,3	128.3	0.23	2	16
Trimethyl Hexane, 2,3,4	128.3	0.21	2	16
Trimethyl Hexane, 2,4,4	128.3	0.31	2	16
Trimethyl Hexane, 3,3,4	128.3	0.21	2	16
Trimethyl Indene, 1,2,3	158.2	0.0001	5	40
Trimethyl Phosphate	140.1	0.02	2	16
Trimethylammonium chloride	96	0.0001	2	16
Trimethylopropane Triacrylate	296.9	0.017	2	16
Tri-n-octyl Phosphine	370.6	0.00001	2	16
Triphenyl Phosphate	326	1.00E-07	5	40
Triphenyl Phosphite	310.23	0.01	2	16

Triphenylphosphine	262.29	0.0001	2	16
Tripotassium Phosphate solution (Tripotassium Phosphate and Water)	212.3	0.0000	2	16
Tripropylene Glycol	192.3	0.01	5	40
Tripropylene Glycol Monopropyl Ether	192.26	0.0080	2	16
Tris (2-chloroethyl) Phosphate	285.49	0.0012	2	16
Tris(2-hydroxyethyl)methylammonium Hydroxide	181	0.0001	2	16
Turpentine	130	0.12	5	40
Ucane Alkylate (Detergent Alkylate)	240	0.012	5	40
Ultraester MMM (Monomethyl Maleate)	130	0.0007	2	16
Undecane	156.3	0.01	5	40
Undecanol, 1	172.3	0.0001	5	40
Undecene, 1	154.3	0.01	2	16
Undecyl Benzene	232.4	0.000016	5	40
Urea Hydrochloride	95.5	0.0001	2	16
Urea Solution (Urea and Water)	60	0.0001	2	16
Varsol	130	0.08	5	40
Vegetable Oil	250	0.002	1	8
Vinyl Toluene	118.2	0.15	4	32
VivaTec 500 (Heavy Parrafinic Distallates)	500	0.001	2	16
Water Based Warp (Barite (Barium Sulfate), Acrylic Terpolymer, and Sodium Chloride (salt))	233.4	0.00001	2	16
Water Catalyst (anaerobic microbial slurry)	350	0.0001	2	16
Water Treating Compound (Water Conditioner,coagulant)	342.1	0.0001	5	40
White Mineral Oil	150	0.01	1	8
XTJ-610 (C15-Alcohol and Polypropoxypropylamine)	208.3	0.0011	2	16
Xylene, m	106.2	0.2	5	40
Xylene,o	106.2	0.16	5	40
Xylene,p	106.2	0.21	5	40
Xylenol, 2,4	122.2	0.0057	5	40
Xylenol, 2,5	122.2	0.0057	5	40
Xylenol, 2,6	122.2	0.01	5	40
Xylenol, 3,4	122.2	0.0023	5	40
Xylenol, 3,5	122.2	0.0023	5	40
Zinc Dialkylphosphorodithiloate	716.36	0.00002	2	16
ZINC NAP-ALL Lube Grade (Lube Oil Additive) (Zinc Carboxylates (zinc naphthanate) and Petroleum Heavy Middle Distillate)	351.7	0.0038	2	16
Zinc Octoate	351.816	0.001	2	16

Date: October 16, 2024