801 Wastewater

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations And According To The Hazardous Products Regulation (February 11, 2015).

Revision Date: 10/31/2022 Date of Issue: 10/25/2022 Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: 801 Wastewater

Synonyms: P801, or Fallon Wastewater

SDS No: 820464

1.2. Intended Use of the Product

Water from Fallon refinery distillation and hydrotreating plants intended for treatment.

1.3. Name, Address, and Telephone of the Responsible Party

Manufacturer

Safety-Kleen Systems, Inc.
42 Longwater Drive
Norwell, MA 02061-9149
1-800-669-5740
www.safety-kleen.com

1.4. Emergency Telephone Number

Emergency Number : 1-800-468-1760

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

GHS-US/CA Classification

Acute toxicity (inhalation:dust,mist) Category 4	H332
Serious eye damage/eye irritation Category 2	H319
Germ cell mutagenicity Category 1B	H340
Carcinogenicity Category 1A	H350
Reproductive toxicity Category 2	H361
Specific target organ toxicity (repeated exposure) Category 2	H373

2.2. Label Elements

GHS-US/CA Labeling

Hazard Pictograms (GHS-US/CA) :

GHS07 GHS08 GHS09

Signal Word (GHS-US/CA) : Danger

Hazard Statements (GHS-US/CA) :
H319 - Causes serious eye irritation.
H332 - Harmful if inhaled.
H340 - May cause genetic defects.
H350 - May cause cancer.
H361 - Suspected of damaging fertility or the unborn child.
H373 - May cause damage to organs (kidneys) through prolonged or repeated exposure (oral).

Precautionary Statements (GHS-US/CA) :
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe vapors, mist, or spray.
P263 - Avoid contact during pregnancy/while nursing.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves, protective clothing, and eye protection.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 - If exposed or concerned: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P391 - Collect spillage.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

2.3. Other Hazards

Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US/CA)

No additional information available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Synonyms	Product Identifier	% *	GHS Ingredient Classification
Ethylene glycol	1,2-Dihydroxyethane / Ethane-1,2-diol / 1,2-Ethanediol / Ethanediol / GLYCOL / Glycol / Monoethylene glycol	(CAS-No.) 107-21-1	≤ 20	Acute Tox. 4 (Oral), H302 STOT RE 2, H373
Acetone	Dimethyl ketone / 2-Propanone / ACETONE / Propan-2-one / Propanone	(CAS-No.) 67-64-1	≤ 3	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Methyl ethyl ketone	Butan-2-one / 2-Butanone / Ethyl methyl ketone / Methyl acetone / MEK / Butanone / methyl ethyl ketone	(CAS-No.) 78-93-3	≤ 3	Flam. Liq. 2, H225 Eye Irrit. 2, H319 Repr. 2, H361 STOT SE 3, H335
Hydrogen sulfide	Hydrogen sulfide (H2S) / Hydrogen sulphide / Sulfur hydride / Dihydrogen sulphide / hydrogen sulfide / Hydrogen sulphide, hydrogen sulfide / Sulfane	(CAS-No.) 7783-06-4	≤ 2	Flam. Gas 1, H220 Press. Gas (Liq.), H280 Acute Tox. 2 (Inhalation), H330 Acute Tox. 2 (Inhalation:gas), H330 Eye Irrit. 2, H319 STOT SE 3, H336 STOT SE 3, H335 Simple Asphy
1,2,3-Trichloropropane	Glycerol trichlorohydrin / Propane, 1,2,3-trichloro- / Trichloropropane, 1,2,3- / Trichloropropane / 1,2,3-trichloropropane	(CAS-No.) 96-18-4	< 1	Flam. Liq. 4, H227 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Eye Irrit. 2, H319 Carc. 1B, H350 Repr. 2, H361
1,1,1-Trichloroethane	Ethane, 1,1,1-trichloro- / Methyl chloroform / Trichloroethane, 1,1,1- / Trichloroethane / Methylchloroform	(CAS-No.) 71-55-6	< 1	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319
Distillates, petroleum, straight-run middle	Light oil / Calumet 300-360 solvent / Petroleum distillate straight-run middle / Distillates, petroleum, straight-run middle (A complex combination of hydrocarbons produced by the distillation of crude oil. It	(CAS-No.) 64741-44-2	≤ 1	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:dust,mist), H332 STOT RE 2, H373 Asp. Tox. 1, H304

	consists of hydrocarbons having carbon numbers predominantly in the range of C11-20 and boiling in the range of 205-345°C.) / Gasoil / Gas oil, blend / Gas oil / Distillates, petroleum, straight run middle / Distillates (petroleum), straight-run middle / Gas oil, diesel fuel / Diesel fuel			
Naphtha, petroleum, heavy straight-run	Naphtha (petroleum), heavy straight-run - low boiling point naphtha / Aliphatic petroleum distillates / Naphtha (petroleum), heavy straight run / Naphtha, petroleum, heavy straight-run (A complex combination of hydrocarbons produced by distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C6-12 and boiling in the range of approximately 65-230°C.) / Naphtha, heavy straight-run (petroleum) / Ligroine (petroleum), heavy straight-run / Naphtha (petroleum), heavy straight-run; Low boiling point naphtha [A complex combination of hydrocarbons produced by distillation of crude oil. It consists of hydrocarbons having carbon numbers predominantly in the range of C6 through C12 and boiling in the range of approximately 65°C to 230°C (149°F to 446°F).] / Naphtha, petroleum, heavy straight run / Heavy naphtha, straight-run / Naphtha (petroleum), heavy straight-run	(CAS-No.) 64741-41-9	≤ 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Muta. 1B, H340 Carc. 1B, H350 Repr. 2, H361 STOT SE 3, H336 Asp. Tox. 1, H304

Full text of H-statements: see section 16

*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

Composition is variable.

SECTION 4: FIRST AID MEASURES

4.1. Description of First-aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Inhalation: When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Give oxygen or artificial respiration if necessary. Get medical advice/attention.

Skin Contact: Remove contaminated clothing. Immediately drench affected area with soap and water for at least 15 minutes. If exposed or concerned: Get medical advice/attention.

Eye Contact: Immediately rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists.

Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

General: May cause cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs (kidney) through prolonged or repeated exposure (oral). Causes serious eye irritation. May cause genetic defects. Harmful if inhaled.

Inhalation: Inhalation is likely to cause adverse health effects including but not limited to: irritation, difficulty breathing, and unconsciousness.

Skin Contact: Chloracne. Prolonged exposure may cause skin irritation.

Eye Contact: Contact causes severe irritation with redness and swelling of the conjunctiva.

Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: May cause cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs (kidneys) through prolonged or repeated exposure (Oral). May cause genetic defects.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Water spray, fog, carbon dioxide (CO_2), alcohol-resistant foam, or dry chemical.

Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive. Contains a small amount of hydrogen sulfide. Hydrogen sulfide is a fatal, and highly flammable gas with a rotten egg odor that quickly causes odor fatigue. Heating of this product and storage under elevated temperatures or over long periods of time may release higher amounts of hydrogen sulfide. Hydrogen sulfide is also an asphyxiant.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides, Nitrogen oxides. Unidentified hydrocarbons. Unidentified organic compounds. Sulfur oxides. Chlorine compounds.

Other Information: Do not allow run-off from fire fighting to enter drains or water courses.

5.4. Reference to Other Sections

Refer to Section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not handle until all safety precautions have been read and understood. Do not breathe vapor, mist or spray. Do not get in eyes, on skin, or on clothing.

6.1.1. For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. Ventilate area.

6.2. Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

6.3. Methods and Materials for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. As an immediate precautionary measure, isolate spill or leak area in all directions. Ventilate area.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Absorb and/or contain spill with inert material. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Precautions for Safe Handling: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not breathe vapors, spray, mist. Do not get in eyes, on skin, or on clothing. Use only outdoors or in a well-ventilated area.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials. Store locked up/in a secure area.

Incompatible Materials: Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(s)

Water from Fallon refinery distillation and hydrotreating plants intended for treatment.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

Ethylene glycol (107-21-1)		
USA ACGIH	ACGIH OEL TWA [ppm]	25 ppm (vapor fraction)
USA ACGIH	ACGIH OEL STEL	10 mg/m³ (inhalable particulate matter, aerosol only)
USA ACGIH	ACGIH OEL STEL [ppm]	50 ppm (vapor fraction)
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
Alberta	OEL C	100 mg/m³
British Columbia	OEL C	100 mg/m³ (aerosol)
British Columbia	OEL Ceiling [ppm]	50 ppm (vapour)
British Columbia	OEL STEL	20 mg/m³ (particulate)
British Columbia	OEL TWA	10 mg/m³ (particulate)
Manitoba	OEL STEL	10 mg/m³ (inhalable particulate matter, aerosol only)
Manitoba	OEL STEL [ppm]	50 ppm (vapor fraction)
Manitoba	OEL TWA [ppm]	25 ppm (vapor fraction)
New Brunswick	OEL C	100 mg/m³ (aerosol)
Newfoundland & Labrador	OEL STEL	10 mg/m³ (inhalable particulate matter, aerosol only)
Newfoundland & Labrador	OEL STEL [ppm]	50 ppm (vapor fraction)
Newfoundland & Labrador	OEL TWA [ppm]	25 ppm (vapor fraction)
Nova Scotia	OEL STEL	10 mg/m³ (inhalable particulate matter, aerosol only)
Nova Scotia	OEL STEL [ppm]	50 ppm (vapor fraction)
Nova Scotia	OEL TWA [ppm]	25 ppm (vapor fraction)
Nunavut	OEL C	100 mg/m³ (aerosol)
Northwest Territories	OEL C	100 mg/m³ (aerosol)
Ontario	OEL STEL	10 mg/m³ (inhalable particulate matter, aerosol only)
Ontario	OEL STEL [ppm]	50 ppm (vapor fraction)
Ontario	OEL TWA [ppm]	25 ppm (vapor fraction)
Prince Edward Island	OEL STEL	10 mg/m³ (inhalable particulate matter, aerosol only)
Prince Edward Island	OEL STEL [ppm]	50 ppm (vapor fraction)
Prince Edward Island	OEL TWA [ppm]	25 ppm (vapor fraction)
Québec	Plafond (OEL Ceiling)	127 mg/m³ (mist and vapour)
Québec	Plafond (OEL Ceiling) [ppm]	50 ppm (mist and vapour)
Saskatchewan	OEL C	100 mg/m³ (aerosol)
Yukon	OEL STEL	20 mg/m³ (particulate) 325 mg/m³ (vapour)

Yukon	OEL STEL [ppm]	10 ppm (particulate) 125 ppm (vapour)
Yukon	OEL TWA	10 mg/m³ (particulate) 250 mg/m³ (vapour)
Yukon	OEL TWA [ppm]	100 ppm (vapour)
Acetone (67-64-1)		
USA ACGIH	ACGIH OEL TWA [ppm]	250 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	500 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA ACGIH	BEI (BLV)	25 mg/L Parameter: Acetone - Medium: urine - Sampling time: end of shift (nonspecific)
USA OSHA	OSHA PEL (TWA) [1]	2400 mg/m³
USA OSHA	OSHA PEL (TWA) [2]	1000 ppm
USA NIOSH	NIOSH REL (TWA)	590 mg/m³
USA NIOSH	NIOSH REL TWA [ppm]	250 ppm
USA IDLH	IDLH [ppm]	2500 ppm (10% LEL)
Alberta	OEL STEL	1800 mg/m³
Alberta	OEL STEL [ppm]	750 ppm
Alberta	OEL TWA	1200 mg/m³
Alberta	OEL TWA [ppm]	500 ppm
British Columbia	OEL STEL [ppm]	500 ppm
British Columbia	OEL TWA [ppm]	250 ppm
Manitoba	OEL STEL [ppm]	500 ppm
Manitoba	OEL TWA [ppm]	250 ppm
New Brunswick	OEL STEL	1782 mg/m³
New Brunswick	OEL STEL [ppm]	750 ppm
New Brunswick	OEL TWA	1188 mg/m³
New Brunswick	OEL TWA [ppm]	500 ppm
Newfoundland & Labrador	OEL STEL [ppm]	500 ppm
Newfoundland & Labrador	OEL TWA [ppm]	250 ppm
Nova Scotia	OEL STEL [ppm]	500 ppm
Nova Scotia	OEL TWA [ppm]	250 ppm
Nunavut	OEL STEL [ppm]	750 ppm
Nunavut	OEL TWA [ppm]	500 ppm
Northwest Territories	OEL STEL [ppm]	750 ppm
Northwest Territories	OEL TWA [ppm]	500 ppm
Ontario	OEL STEL [ppm]	500 ppm
Ontario	OEL TWA [ppm]	250 ppm
Prince Edward Island	OEL STEL [ppm]	500 ppm
Prince Edward Island	OEL TWA [ppm]	250 ppm
Québec	VECD (OEL STEL)	2380 mg/m³
Québec	VECD (OEL STEL) [ppm]	1000 ppm
Québec	VEMP (OEL TWA)	1190 mg/m³
Québec	VEMP (OEL TWA) [ppm]	500 ppm
Saskatchewan	OEL STEL [ppm]	750 ppm
Saskatchewan	OEL TWA [ppm]	500 ppm
Yukon	OEL STEL	3000 mg/m³
Yukon	OEL STEL [ppm]	1250 ppm
Yukon	OEL TWA	2400 mg/m³
Yukon	OEL TWA [ppm]	1000 ppm
Methyl ethyl ketone (78-93-3)		

USA ACGIH	ACGIH OEL TWA [ppm]	200 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	300 ppm
USA ACGIH	BEI (BLV)	2 mg/L Parameter: MEK - Medium: urine - Sampling time: end of shift (nonspecific)
USA OSHA	OSHA PEL (TWA) [1]	590 mg/m³
USA OSHA	OSHA PEL (TWA) [2]	200 ppm
USA NIOSH	NIOSH REL (TWA)	590 mg/m³
USA NIOSH	NIOSH REL TWA [ppm]	200 ppm
USA NIOSH	NIOSH REL (STEL)	885 mg/m³
USA NIOSH	NIOSH REL STEL [ppm]	300 ppm
USA IDLH	IDLH [ppm]	3000 ppm
Alberta	OEL STEL	885 mg/m³
Alberta	OEL STEL [ppm]	300 ppm
Alberta	OEL TWA	590 mg/m³
Alberta	OEL TWA [ppm]	200 ppm
British Columbia	OEL STEL [ppm]	100 ppm
British Columbia	OEL TWA [ppm]	50 ppm
Manitoba	OEL STEL [ppm]	300 ppm
Manitoba	OEL TWA [ppm]	200 ppm
New Brunswick	OEL STEL	885 mg/m³
New Brunswick	OEL STEL [ppm]	300 ppm
New Brunswick	OEL TWA	590 mg/m³
New Brunswick	OEL TWA [ppm]	200 ppm
Newfoundland & Labrador	OEL STEL [ppm]	300 ppm
Newfoundland & Labrador	OEL TWA [ppm]	200 ppm
Nova Scotia	OEL STEL [ppm]	300 ppm
Nova Scotia	OEL TWA [ppm]	200 ppm
Nunavut	OEL STEL [ppm]	300 ppm
Nunavut	OEL TWA [ppm]	200 ppm
Northwest Territories	OEL STEL [ppm]	300 ppm
Northwest Territories	OEL TWA [ppm]	200 ppm
Ontario	OEL STEL [ppm]	300 ppm
Ontario	OEL TWA [ppm]	200 ppm
Prince Edward Island	OEL STEL [ppm]	300 ppm
Prince Edward Island	OEL TWA [ppm]	200 ppm
Québec	VECD (OEL STEL)	300 mg/m³
Québec	VECD (OEL STEL) [ppm]	100 ppm
Québec	VEMP (OEL TWA)	150 mg/m³
Québec	VEMP (OEL TWA) [ppm]	50 ppm
Saskatchewan	OEL STEL [ppm]	300 ppm
Saskatchewan	OEL TWA [ppm]	200 ppm
Yukon	OEL STEL	740 mg/m³
Yukon	OEL STEL [ppm]	250 ppm
Yukon	OEL TWA	590 mg/m³
Yukon	OEL TWA [ppm]	200 ppm

Benzene (71-43-2)		
USA ACGIH	ACGIH OEL TWA [ppm]	0.5 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	2.5 ppm
USA ACGIH	ACGIH chemical category	Confirmed Human Carcinogen,Skin - potential significant contribution to overall exposure by the cutaneous route
USA ACGIH	BEI (BLV)	25 µg/g Kreatinin Parameter: S-Phenylmercapturic acid - Medium: urine - Sampling time: end of shift (background)

		500 µg/g Kreatinin Parameter: t,t-Muconic acid - Medium: urine - Sampling time: end of shift (background)
USA OSHA	OSHA PEL (TWA) [2]	10 ppm 1 ppm
USA OSHA	OSHA PEL (STEL) [2]	5 ppm (see 29 CFR 1910.1028)
USA OSHA	OSHA PEL C [ppm]	25 ppm
USA OSHA	Acceptable Maximum Peak Above The Acceptable Ceiling Concentration For An 8-Hr Shift	50 ppm Peak (10 minutes)
USA NIOSH	NIOSH REL TWA [ppm]	0.1 ppm
USA NIOSH	NIOSH REL STEL [ppm]	1 ppm
USA IDLH	IDLH [ppm]	500 ppm
Alberta	OEL STEL	8 mg/m³
Alberta	OEL STEL [ppm]	2.5 ppm
Alberta	OEL TWA	1.6 mg/m³
Alberta	OEL TWA [ppm]	0.5 ppm
British Columbia	OEL STEL [ppm]	2.5 ppm
British Columbia	OEL TWA [ppm]	0.5 ppm
Manitoba	OEL STEL [ppm]	2.5 ppm
Manitoba	OEL TWA [ppm]	0.5 ppm
New Brunswick	OEL STEL	8 mg/m³
New Brunswick	OEL STEL [ppm]	2.5 ppm
New Brunswick	OEL TWA	1.6 mg/m³
New Brunswick	OEL TWA [ppm]	0.5 ppm
Newfoundland & Labrador	OEL STEL [ppm]	2.5 ppm
Newfoundland & Labrador	OEL TWA [ppm]	0.5 ppm
Nova Scotia	OEL STEL [ppm]	2.5 ppm
Nova Scotia	OEL TWA [ppm]	0.5 ppm
Ontario	OEL STEL [ppm]	2.5 ppm (designated substances regulation) 2.5 ppm (applies to workplaces to which the designated substances regulation does not apply)
Ontario	OEL TWA [ppm]	0.5 ppm (applies to workplaces to which the designated substances regulation does not apply) 0.5 ppm (designated substances regulation)
Prince Edward Island	OEL STEL [ppm]	2.5 ppm
Prince Edward Island	OEL TWA [ppm]	0.5 ppm
Québec	VECD (OEL STEL)	15.5 mg/m³
Québec	VECD (OEL STEL) [ppm]	5 ppm
Québec	VEMP (OEL TWA)	3 mg/m³
Québec	VEMP (OEL TWA) [ppm]	1 ppm
Yukon	OEL C	32 mg/m³
Yukon	OEL Ceiling [ppm]	10 ppm

Ethylbenzene (100-41-4)		
USA ACGIH	ACGIH OEL TWA [ppm]	20 ppm
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
USA ACGIH	BEI (BLV)	0.15 g/g Kreatinin Parameter: Sum of mandelic acid and phenylglyoxylic acid - Medium: urine - Sampling time: end of shift (nonspecific)
USA OSHA	OSHA PEL (TWA) [1]	435 mg/m³
USA OSHA	OSHA PEL (TWA) [2]	100 ppm
USA NIOSH	NIOSH REL (TWA)	435 mg/m³

USA NIOSH	NIOSH REL TWA [ppm]	100 ppm
USA NIOSH	NIOSH REL (STEL)	545 mg/m³
USA NIOSH	NIOSH REL STEL [ppm]	125 ppm
USA IDLH	IDLH [ppm]	800 ppm (10% LEL)
Alberta	OEL STEL	543 mg/m³
Alberta	OEL STEL [ppm]	125 ppm
Alberta	OEL TWA	434 mg/m³
Alberta	OEL TWA [ppm]	100 ppm
British Columbia	OEL TWA [ppm]	20 ppm
Manitoba	OEL TWA [ppm]	20 ppm
New Brunswick	OEL STEL	543 mg/m³
New Brunswick	OEL STEL [ppm]	125 ppm
New Brunswick	OEL TWA	434 mg/m³
New Brunswick	OEL TWA [ppm]	100 ppm
Newfoundland & Labrador	OEL TWA [ppm]	20 ppm
Nova Scotia	OEL TWA [ppm]	20 ppm
Nunavut	OEL STEL [ppm]	125 ppm
Nunavut	OEL TWA [ppm]	100 ppm
Northwest Territories	OEL STEL [ppm]	125 ppm
Northwest Territories	OEL TWA [ppm]	100 ppm
Ontario	OEL TWA [ppm]	20 ppm
Prince Edward Island	OEL TWA [ppm]	20 ppm
Québec	VEMP (OEL TWA) [ppm]	20 ppm
Saskatchewan	OEL STEL [ppm]	125 ppm
Saskatchewan	OEL TWA [ppm]	100 ppm
Yukon	OEL STEL	545 mg/m³
Yukon	OEL STEL [ppm]	125 ppm
Yukon	OEL TWA	435 mg/m³
Yukon	OEL TWA [ppm]	100 ppm

Xylenes (o-, m-, p- isomers) (1330-20-7)		
USA ACGIH	ACGIH OEL TWA [ppm]	100 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	150 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA ACGIH	BEI (BLV)	1.5 g/g Kreatinin Parameter: Methylhippuric acids - Medium: urine - Sampling time: end of shift
USA OSHA	OSHA PEL (TWA) [1]	435 mg/m³
USA OSHA	OSHA PEL (TWA) [2]	100 ppm
Alberta	OEL STEL	651 mg/m³
Alberta	OEL STEL [ppm]	150 ppm
Alberta	OEL TWA	434 mg/m³
Alberta	OEL TWA [ppm]	100 ppm
British Columbia	OEL STEL [ppm]	150 ppm
British Columbia	OEL TWA [ppm]	100 ppm
Manitoba	OEL STEL [ppm]	150 ppm
Manitoba	OEL TWA [ppm]	100 ppm
New Brunswick	OEL STEL	651 mg/m³
New Brunswick	OEL STEL [ppm]	150 ppm
New Brunswick	OEL TWA	434 mg/m³
New Brunswick	OEL TWA [ppm]	100 ppm
Newfoundland & Labrador	OEL STEL [ppm]	150 ppm
Newfoundland & Labrador	OEL TWA [ppm]	100 ppm

Nova Scotia	OEL STEL [ppm]	150 ppm
Nova Scotia	OEL TWA [ppm]	100 ppm
Nunavut	OEL STEL [ppm]	150 ppm
Nunavut	OEL TWA [ppm]	100 ppm
Northwest Territories	OEL STEL [ppm]	150 ppm
Northwest Territories	OEL TWA [ppm]	100 ppm
Ontario	OEL STEL [ppm]	150 ppm
Ontario	OEL TWA [ppm]	100 ppm
Prince Edward Island	OEL STEL [ppm]	150 ppm
Prince Edward Island	OEL TWA [ppm]	100 ppm
Québec	VECD (OEL STEL)	651 mg/m³
Québec	VECD (OEL STEL) [ppm]	150 ppm
Québec	VEMP (OEL TWA)	434 mg/m³
Québec	VEMP (OEL TWA) [ppm]	100 ppm
Saskatchewan	OEL STEL [ppm]	150 ppm
Saskatchewan	OEL TWA [ppm]	100 ppm
Yukon	OEL STEL	650 mg/m³
Yukon	OEL STEL [ppm]	150 ppm
Yukon	OEL TWA	435 mg/m³
Yukon	OEL TWA [ppm]	100 ppm

Benzene, trimethyl- (25551-13-7)		
USA ACGIH	ACGIH OEL TWA [ppm]	25 ppm
Alberta	OEL TWA	123 mg/m³
Alberta	OEL TWA [ppm]	25 ppm
British Columbia	OEL TWA [ppm]	25 ppm
Manitoba	OEL TWA [ppm]	25 ppm
New Brunswick	OEL TWA	123 mg/m³
New Brunswick	OEL TWA [ppm]	25 ppm
Newfoundland & Labrador	OEL TWA [ppm]	25 ppm
Nova Scotia	OEL TWA [ppm]	25 ppm
Nunavut	OEL STEL [ppm]	30 ppm
Nunavut	OEL TWA [ppm]	25 ppm
Northwest Territories	OEL STEL [ppm]	30 ppm
Northwest Territories	OEL TWA [ppm]	25 ppm
Ontario	OEL TWA [ppm]	25 ppm
Prince Edward Island	OEL TWA [ppm]	25 ppm
Québec	VEMP (OEL TWA) [ppm]	25 ppm
Saskatchewan	OEL STEL [ppm]	30 ppm
Saskatchewan	OEL TWA [ppm]	25 ppm
Yukon	OEL STEL	180 mg/m³
Yukon	OEL STEL [ppm]	35 ppm
Yukon	OEL TWA	120 mg/m³
Yukon	OEL TWA [ppm]	25 ppm

Naphthalene (91-20-3)		
USA ACGIH	ACGIH OEL TWA [ppm]	10 ppm
USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans,Skin - potential significant contribution to overall exposure by the cutaneous route
USA ACGIH	BEI (BLV)	Parameter: 1-Naphthol with hydrolysis plus 2-Naphthol with hydrolysis - Sampling time: end of shift (nonquantitative, nonspecific)

USA OSHA	OSHA PEL (TWA) [1]	50 mg/m³
USA OSHA	OSHA PEL (TWA) [2]	10 ppm
USA NIOSH	NIOSH REL (TWA)	50 mg/m³
USA NIOSH	NIOSH REL TWA [ppm]	10 ppm
USA NIOSH	NIOSH REL (STEL)	75 mg/m³
USA NIOSH	NIOSH REL STEL [ppm]	15 ppm
USA IDLH	IDLH [ppm]	250 ppm
Alberta	OEL STEL	79 mg/m³
Alberta	OEL STEL [ppm]	15 ppm
Alberta	OEL TWA	52 mg/m³
Alberta	OEL TWA [ppm]	10 ppm
British Columbia	OEL TWA [ppm]	10 ppm
Manitoba	OEL TWA [ppm]	10 ppm
New Brunswick	OEL STEL	79 mg/m³
New Brunswick	OEL STEL [ppm]	15 ppm
New Brunswick	OEL TWA	52 mg/m³
New Brunswick	OEL TWA [ppm]	10 ppm
Newfoundland & Labrador	OEL TWA [ppm]	10 ppm
Nova Scotia	OEL TWA [ppm]	10 ppm
Nunavut	OEL STEL [ppm]	15 ppm
Nunavut	OEL TWA [ppm]	10 ppm
Northwest Territories	OEL STEL [ppm]	15 ppm
Northwest Territories	OEL TWA [ppm]	10 ppm
Ontario	OEL TWA [ppm]	10 ppm
Prince Edward Island	OEL TWA [ppm]	10 ppm
Québec	VEMP (OEL TWA) [ppm]	10 ppm
Saskatchewan	OEL STEL [ppm]	15 ppm
Saskatchewan	OEL TWA [ppm]	10 ppm
Yukon	OEL STEL	75 mg/m³
Yukon	OEL STEL [ppm]	15 ppm
Yukon	OEL TWA	50 mg/m³
Yukon	OEL TWA [ppm]	10 ppm

Toluene (108-88-3)		
USA ACGIH	ACGIH OEL TWA [ppm]	20 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA ACGIH	BEI (BLV)	0.02 mg/L Parameter: Toluene - Medium: blood - Sampling time: prior to last shift of workweek 0.03 mg/L Parameter: Toluene - Medium: urine - Sampling time: end of shift 0.3 mg/g Kreatinin Parameter: o-Cresol with hydrolysis - Medium: urine - Sampling time: end of shift (background)
USA OSHA	OSHA PEL (TWA) [2]	200 ppm
USA OSHA	OSHA PEL C [ppm]	300 ppm
USA OSHA	Acceptable Maximum Peak Above The Acceptable Ceiling Concentration For An 8-Hr Shift	500 ppm Peak (10 minutes)
USA NIOSH	NIOSH REL (TWA)	375 mg/m³
USA NIOSH	NIOSH REL TWA [ppm]	100 ppm
USA NIOSH	NIOSH REL (STEL)	560 mg/m³
USA NIOSH	NIOSH REL STEL [ppm]	150 ppm
USA IDLH	IDLH [ppm]	500 ppm
Alberta	OEL TWA	188 mg/m³

Alberta	OEL TWA [ppm]	50 ppm
British Columbia	OEL TWA [ppm]	20 ppm
Manitoba	OEL TWA [ppm]	20 ppm
New Brunswick	OEL TWA	188 mg/m³
New Brunswick	OEL TWA [ppm]	50 ppm
Newfoundland & Labrador	OEL TWA [ppm]	20 ppm
Nova Scotia	OEL TWA [ppm]	20 ppm
Nunavut	OEL STEL [ppm]	60 ppm
Nunavut	OEL TWA [ppm]	50 ppm
Northwest Territories	OEL STEL [ppm]	60 ppm
Northwest Territories	OEL TWA [ppm]	50 ppm
Ontario	OEL TWA [ppm]	20 ppm
Prince Edward Island	OEL TWA [ppm]	20 ppm
Québec	VEMP (OEL TWA)	188 mg/m³
Québec	VEMP (OEL TWA) [ppm]	50 ppm
Saskatchewan	OEL STEL [ppm]	60 ppm
Saskatchewan	OEL TWA [ppm]	50 ppm
Yukon	OEL STEL	560 mg/m³
Yukon	OEL STEL [ppm]	150 ppm
Yukon	OEL TWA	375 mg/m³
Yukon	OEL TWA [ppm]	100 ppm

o-Chlorotoluene (95-49-8)		
USA ACGIH	ACGIH OEL TWA [ppm]	50 ppm
USA NIOSH	NIOSH REL (TWA)	250 mg/m³
USA NIOSH	NIOSH REL TWA [ppm]	50 ppm
USA NIOSH	NIOSH REL (STEL)	375 mg/m³
USA NIOSH	NIOSH REL STEL [ppm]	75 ppm
Alberta	OEL TWA	259 mg/m³
Alberta	OEL TWA [ppm]	50 ppm
British Columbia	OEL TWA [ppm]	50 ppm
Manitoba	OEL TWA [ppm]	50 ppm
New Brunswick	OEL TWA	259 mg/m³
New Brunswick	OEL TWA [ppm]	50 ppm
Newfoundland & Labrador	OEL TWA [ppm]	50 ppm
Nova Scotia	OEL TWA [ppm]	50 ppm
Nunavut	OEL STEL [ppm]	65 ppm
Nunavut	OEL TWA [ppm]	50 ppm
Northwest Territories	OEL STEL [ppm]	65 ppm
Northwest Territories	OEL TWA [ppm]	50 ppm
Ontario	OEL TWA [ppm]	50 ppm
Prince Edward Island	OEL TWA [ppm]	50 ppm
Québec	VEMP (OEL TWA)	259 mg/m³
Québec	VEMP (OEL TWA) [ppm]	50 ppm
Saskatchewan	OEL STEL [ppm]	65 ppm
Saskatchewan	OEL TWA [ppm]	50 ppm
Yukon	OEL STEL	375 mg/m³
Yukon	OEL STEL [ppm]	75 ppm
Yukon	OEL TWA	250 mg/m³
Yukon	OEL TWA [ppm]	50 ppm

1,2,3-Trichloropropane (96-18-4)		
USA ACGIH	ACGIH OEL TWA [ppm]	0.005 ppm

USA ACGIH	ACGIH chemical category	Suspected Human Carcinogen
USA OSHA	OSHA PEL (TWA) [1]	300 mg/m³
USA OSHA	OSHA PEL (TWA) [2]	50 ppm
USA NIOSH	NIOSH REL (TWA)	60 mg/m³
USA NIOSH	NIOSH REL TWA [ppm]	10 ppm
USA IDLH	IDLH [ppm]	100 ppm
Alberta	OEL TWA	60 mg/m³
Alberta	OEL TWA [ppm]	10 ppm
British Columbia	OEL TWA [ppm]	10 ppm
Manitoba	OEL TWA [ppm]	0.005 ppm
New Brunswick	OEL TWA	60 mg/m³
New Brunswick	OEL TWA [ppm]	10 ppm
Newfoundland & Labrador	OEL TWA [ppm]	0.005 ppm
Nova Scotia	OEL TWA [ppm]	0.005 ppm
Nunavut	OEL STEL [ppm]	15 ppm
Nunavut	OEL TWA [ppm]	10 ppm
Northwest Territories	OEL STEL [ppm]	15 ppm
Northwest Territories	OEL TWA [ppm]	10 ppm
Ontario	OEL TWA [ppm]	0.005 ppm
Prince Edward Island	OEL TWA [ppm]	0.005 ppm
Québec	VEMP (OEL TWA) [ppm]	0.005 ppm
Saskatchewan	OEL STEL [ppm]	15 ppm
Saskatchewan	OEL TWA [ppm]	10 ppm
Yukon	OEL STEL	450 mg/m³
Yukon	OEL STEL [ppm]	75 ppm
Yukon	OEL TWA	300 mg/m³
Yukon	OEL TWA [ppm]	50 ppm

1,1,1-Trichloroethane (71-55-6)		
USA ACGIH	ACGIH OEL TWA [ppm]	350 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	450 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen
USA ACGIH	BEI (BLV)	20 ppm Parameter: Methyl chloroform - Medium: end-exhaled air - Sampling time: prior to shift at end of workweek 700 µg/l Parameter: Methyl chloroform - Medium: urine - Sampling time: end of shift
USA OSHA	OSHA PEL (TWA) [1]	1900 mg/m³
USA OSHA	OSHA PEL (TWA) [2]	350 ppm
USA NIOSH	NIOSH REL (Ceiling)	1900 mg/m³
USA NIOSH	NIOSH REL C [ppm]	350 ppm
USA IDLH	IDLH [ppm]	700 ppm
Alberta	OEL STEL	2460 mg/m³
Alberta	OEL STEL [ppm]	450 ppm
Alberta	OEL TWA	1910 mg/m³
Alberta	OEL TWA [ppm]	350 ppm
British Columbia	OEL STEL [ppm]	450 ppm
British Columbia	OEL TWA [ppm]	350 ppm
Manitoba	OEL STEL [ppm]	450 ppm
Manitoba	OEL TWA [ppm]	350 ppm
New Brunswick	OEL STEL	2460 mg/m³
New Brunswick	OEL STEL [ppm]	450 ppm
New Brunswick	OEL TWA	1910 mg/m³

New Brunswick	OEL TWA [ppm]	350 ppm
Newfoundland & Labrador	OEL STEL [ppm]	450 ppm
Newfoundland & Labrador	OEL TWA [ppm]	350 ppm
Nova Scotia	OEL STEL [ppm]	450 ppm
Nova Scotia	OEL TWA [ppm]	350 ppm
Nunavut	OEL STEL [ppm]	450 ppm
Nunavut	OEL TWA [ppm]	350 ppm
Northwest Territories	OEL STEL [ppm]	450 ppm
Northwest Territories	OEL TWA [ppm]	350 ppm
Ontario	OEL STEL [ppm]	450 ppm
Ontario	OEL TWA [ppm]	350 ppm
Prince Edward Island	OEL STEL [ppm]	450 ppm
Prince Edward Island	OEL TWA [ppm]	350 ppm
Québec	VECD (OEL STEL)	2460 mg/m³
Québec	VECD (OEL STEL) [ppm]	450 ppm
Québec	VEMP (OEL TWA)	1910 mg/m³
Québec	VEMP (OEL TWA) [ppm]	350 ppm
Saskatchewan	OEL STEL [ppm]	450 ppm
Saskatchewan	OEL TWA [ppm]	350 ppm
Yukon	OEL STEL	2400 mg/m³
Yukon	OEL STEL [ppm]	440 ppm
Yukon	OEL TWA	1900 mg/m³
Yukon	OEL TWA [ppm]	350 ppm

Carbon tetrachloride (56-23-5)		
USA ACGIH	ACGIH OEL TWA [ppm]	5 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	10 ppm
USA ACGIH	ACGIH chemical category	Suspected Human Carcinogen,Skin - potential significant contribution to overall exposure by the cutaneous route
USA OSHA	OSHA PEL (TWA) [2]	10 ppm
USA OSHA	OSHA PEL C [ppm]	25 ppm
USA OSHA	Acceptable Maximum Peak Above The Acceptable Ceiling Concentration For An 8-Hr Shift	200 ppm Peak (5 minutes in any 4 hours)
USA NIOSH	NIOSH REL (STEL)	12.6 mg/m³
USA NIOSH	NIOSH REL STEL [ppm]	2 ppm
USA IDLH	IDLH [ppm]	200 ppm
Alberta	OEL STEL	63 mg/m³
Alberta	OEL STEL [ppm]	10 ppm
Alberta	OEL TWA	31 mg/m³
Alberta	OEL TWA [ppm]	5 ppm
British Columbia	OEL TWA [ppm]	2 ppm
Manitoba	OEL STEL [ppm]	10 ppm
Manitoba	OEL TWA [ppm]	5 ppm
New Brunswick	OEL STEL	63 mg/m³
New Brunswick	OEL STEL [ppm]	10 ppm
New Brunswick	OEL TWA	31 mg/m³
New Brunswick	OEL TWA [ppm]	5 ppm
Newfoundland & Labrador	OEL STEL [ppm]	10 ppm
Newfoundland & Labrador	OEL TWA [ppm]	5 ppm
Nova Scotia	OEL STEL [ppm]	10 ppm
Nova Scotia	OEL TWA [ppm]	5 ppm
Ontario	OEL STEL [ppm]	3 ppm

Ontario	OEL TWA [ppm]	2 ppm
Prince Edward Island	OEL STEL [ppm]	10 ppm
Prince Edward Island	OEL TWA [ppm]	5 ppm
Québec	VECD (OEL STEL)	63 mg/m³
Québec	VECD (OEL STEL) [ppm]	10 ppm
Québec	VEMP (OEL TWA)	31 mg/m³
Québec	VEMP (OEL TWA) [ppm]	5 ppm
Yukon	OEL STEL	130 mg/m³
Yukon	OEL STEL [ppm]	20 ppm
Yukon	OEL TWA	65 mg/m³
Yukon	OEL TWA [ppm]	10 ppm

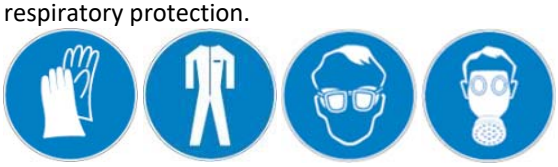
Hydrogen sulfide (7783-06-4)		
USA ACGIH	ACGIH OEL TWA [ppm]	1 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	5 ppm
USA OSHA	OSHA PEL C [ppm]	20 ppm
USA OSHA	Acceptable Maximum Peak Above The Acceptable Ceiling Concentration For An 8-Hr Shift	50 ppm Peak (10 minutes once, only if no other measurable exposure occurs)
USA NIOSH	NIOSH REL (Ceiling)	15 mg/m³
USA NIOSH	NIOSH REL C [ppm]	10 ppm
USA IDLH	IDLH [ppm]	100 ppm
Alberta	OEL C	21 mg/m³
Alberta	OEL Ceiling [ppm]	15 ppm
Alberta	OEL TWA	14 mg/m³
Alberta	OEL TWA [ppm]	10 ppm
British Columbia	OEL Ceiling [ppm]	10 ppm
Manitoba	OEL STEL [ppm]	5 ppm
Manitoba	OEL TWA [ppm]	1 ppm
New Brunswick	OEL STEL	21 mg/m³
New Brunswick	OEL STEL [ppm]	15 ppm
New Brunswick	OEL TWA	14 mg/m³
New Brunswick	OEL TWA [ppm]	10 ppm
Newfoundland & Labrador	OEL STEL [ppm]	5 ppm
Newfoundland & Labrador	OEL TWA [ppm]	1 ppm
Nova Scotia	OEL STEL [ppm]	5 ppm
Nova Scotia	OEL TWA [ppm]	1 ppm
Nunavut	OEL STEL [ppm]	15 ppm
Nunavut	OEL TWA [ppm]	10 ppm
Northwest Territories	OEL STEL [ppm]	15 ppm
Northwest Territories	OEL TWA [ppm]	10 ppm
Ontario	OEL STEL [ppm]	15 ppm
Ontario	OEL TWA [ppm]	10 ppm
Prince Edward Island	OEL STEL [ppm]	5 ppm
Prince Edward Island	OEL TWA [ppm]	1 ppm
Québec	VECD (OEL STEL)	21 mg/m³
Québec	VECD (OEL STEL) [ppm]	15 ppm
Québec	VEMP (OEL TWA)	14 mg/m³
Québec	VEMP (OEL TWA) [ppm]	10 ppm
Saskatchewan	OEL STEL [ppm]	15 ppm
Saskatchewan	OEL TWA [ppm]	10 ppm
Yukon	OEL STEL	27 mg/m³

Yukon	OEL STEL [ppm]	15 ppm
Yukon	OEL TWA	15 mg/m³
Yukon	OEL TWA [ppm]	10 ppm

8.2. Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed. Gas detectors should be used when toxic gases may be released.

Personal Protective Equipment: Gloves. Protective clothing. Safety glasses with side-shields. Insufficient ventilation: wear respiratory protection.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear protective gloves.

Eye and Face Protection: Safety glasses with side-shields.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	:	Liquid
Appearance	:	Dark milky green
Odor	:	No data available
Odor Threshold	:	No data available
pH	:	8 (variable based on composition)
Evaporation Rate	:	No data available
Melting Point	:	No data available
Freezing Point	:	No data available
Boiling Point	:	No data available
Flash Point	:	> 93.3 °C (199.94 °F)
Auto-ignition Temperature	:	No data available
Decomposition Temperature	:	No data available
Flammability	:	Not applicable
Lower Flammable Limit	:	No data available
Upper Flammable Limit	:	No data available
Vapor Pressure	:	No data available
Relative Vapor Density at 20°C	:	No data available
Relative Density	:	No data available
Density	:	1.02 g/ml at 60°F (variable based on composition)
Specific Gravity	:	1.02 (water =1) at 60°F
Solubility	:	No data available
Partition Coefficient: N-Octanol/Water	:	No data available
Viscosity	:	No data available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:

Hazardous reactions will not occur under normal conditions.

10.2. Chemical Stability:

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of Hazardous Reactions:

Hazardous polymerization will not occur.

10.4. Conditions to Avoid:

Direct sunlight, extremely high or low temperatures, and incompatible materials.

10.5. Incompatible Materials:

Strong acids, strong bases, strong oxidizers.

10.6. Hazardous Decomposition Products:

Thermal decomposition may produce: Carbon oxides, Nitrogen oxides. sulfur oxides. Unidentified organic compounds. Hydrocarbons. Chlorine compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects - Product

Acute Toxicity (Oral): Not classified

Acute Toxicity (Dermal): Not classified

Acute Toxicity (Inhalation): Harmful if inhaled.

LD50 and LC50 Data:

801 Wastewater	
ATE US/CA (dust, mist)	2.40 mg/L/4h

Skin Corrosion/Irritation: Not classified

pH: 8 (variable based on composition)

Eye Damage/Irritation: Causes serious eye irritation.

pH: 8 (variable based on composition)

Respiratory or Skin Sensitization: Not classified

Germ Cell Mutagenicity: May cause genetic defects.

Carcinogenicity: May cause cancer.

Specific Target Organ Toxicity (Repeated Exposure): May cause damage to organs (kidneys) through prolonged or repeated exposure (oral).

Reproductive Toxicity: Suspected of damaging fertility or the unborn child.

Specific Target Organ Toxicity (Single Exposure): Not classified

Aspiration Hazard: Not classified

Symptoms/Injuries After Inhalation: Inhalation is likely to cause adverse health effects including but not limited to: irritation, difficulty breathing, and unconsciousness.

Symptoms/Injuries After Skin Contact: Chloracne. Prolonged exposure may cause skin irritation.

Symptoms/Injuries After Eye Contact: Contact causes severe irritation with redness and swelling of the conjunctiva.

Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

Chronic Symptoms: May cause cancer. Suspected of damaging fertility or the unborn child. Causes damage to organs (kidneys) through prolonged or repeated exposure (Oral). May cause genetic defects.

11.2. Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Ethylene glycol (107-21-1)	
LD50 Oral Rat	4700 mg/kg
LD50 Dermal Rat	10600 mg/kg
LC50 Inhalation Rat	> 2.5 mg/L (Exposure time: 6 h)
Acetone (67-64-1)	
LD50 Oral Rat	5800 mg/kg
LD50 Dermal Rabbit	> 15700 mg/kg
LC50 Inhalation Rat	50100 mg/m³ (Exposure time: 8 h)
Methyl ethyl ketone (78-93-3)	
LD50 Oral Rat	2483 mg/kg
LD50 Dermal Rabbit	5000 mg/kg
LC50 Inhalation Rat	11700 ppm/4h
Benzene (71-43-2)	

LD50 Oral Rat	810 mg/kg
LD50 Dermal Rabbit	> 8200 mg/kg
LC50 Inhalation Rat	44.66 mg/L/4h
Ethylbenzene (100-41-4)	
LD50 Oral Rat	3500 mg/kg
LD50 Dermal Rabbit	15400 mg/kg
LC50 Inhalation Rat	17.4 mg/L/4h
Xylenes (o-, m-, p- isomers) (1330-20-7)	
LD50 Oral Rat	3500 mg/kg
LD50 Dermal Rabbit	> 4350 mg/kg
LC50 Inhalation Rat	29.08 mg/L/4h
n-Propylbenzene (103-65-1)	
LD50 Oral Rat	6040 mg/kg
LC50 Inhalation Rat	65000 ppm (Exposure time: 2 h)
Benzene, trimethyl- (25551-13-7)	
LD50 Oral Rat	8970 mg/kg
Naphthalene (91-20-3)	
LD50 Oral Rat	1110 mg/kg
Toluene (108-88-3)	
LD50 Oral Rat	2600 mg/kg
LD50 Dermal Rabbit	12000 mg/kg
LC50 Inhalation Rat	12.5 mg/L/4h
o-Chlorotoluene (95-49-8)	
LD50 Oral Rat	3227 mg/kg
LD50 Dermal Rabbit	> 2165 mg/kg
LC50 Inhalation Rat	7119 ppm/4h
1,2,3-Trichloropropane (96-18-4)	
LD50 Oral Rat	150 mg/kg
LD50 Dermal Rabbit	250 mg/kg
LC50 Inhalation Rat	> 4800 mg/m³ (Exposure time: 4 h)
LC50 Inhalation Rat	3 mg/L/4h
1,1,1-Trichloroethane (71-55-6)	
LD50 Oral Rat	9600 mg/kg
LD50 Dermal Rabbit	> 15800 mg/kg
LC50 Inhalation Rat	18000 ppm/4h
Carbon tetrachloride (56-23-5)	
LD50 Oral Rat	2350 mg/kg
LD50 Dermal Rat	5070 mg/kg
LC50 Inhalation Rat	50.3 mg/L/4h
LC50 Inhalation Rat	8000 ppm/4h
Hydrogen sulfide (7783-06-4)	
LC50 Inhalation Rat	501 ppm/4h
Distillates, petroleum, straight-run middle (64741-44-2)	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat	4.6 mg/L/4h
Benzene (71-43-2)	
IARC Group	1
National Toxicology Program (NTP) Status	Known Human Carcinogens, Evidence of Carcinogenicity.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.

OSHA Specifically Regulated Carcinogen List	In OSHA Specifically Regulated Carcinogen list.

Ethylbenzene (100-41-4)	
IARC Group	2B
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.

Xylenes (o-, m-, p- isomers) (1330-20-7)	
IARC Group	3

Naphthalene (91-20-3)	
IARC Group	2B
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen, Evidence of Carcinogenicity.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.

Toluene (108-88-3)	
IARC Group	3

1,2,3-Trichloropropane (96-18-4)	
IARC Group	2A
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen, Evidence of Carcinogenicity.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.

1,1,1-Trichloroethane (71-55-6)	
IARC Group	2A
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.

Carbon tetrachloride (56-23-5)	
IARC Group	2B
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.

Non-arsenical insecticides (Not Applicable)	
IARC Group	2A
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General: Very toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Ethylene glycol (107-21-1)	
LC50 Fish 1	41000 mg/L (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 - Crustacea [1]	46300 mg/L (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	14 – 18 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])

Acetone (67-64-1)	
LC50 Fish 1	4.74 – 6.33 ml/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 - Crustacea [1]	10294 – 17704 mg/L (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 Fish 2	6210 – 8120 mg/L (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [2]	12600 – 12700 mg/L (Exposure time: 48 h - Species: Daphnia magna)

Methyl ethyl ketone (78-93-3)	
LC50 Fish 1	3130 – 3320 mg/L (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	> 520 mg/L (Exposure time: 48 h - Species: Daphnia magna)
EC50 - Crustacea [2]	5091 mg/L (Exposure time: 48 h - Species: Daphnia magna)

Benzene (71-43-2)	
LC50 Fish 1	10.7 – 14.7 mg/L (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	8.76 – 15.6 mg/L (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 Fish 2	5.3 mg/L (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
EC50 - Crustacea [2]	10 mg/L (Exposure time: 48 h - Species: Daphnia magna)

Ethylbenzene (100-41-4)	
LC50 Fish 1	11 – 18 mg/L (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 - Crustacea [1]	1.8 – 2.4 mg/L (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	4.2 mg/L (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])

Xylenes (o-, m-, p- isomers) (1330-20-7)	
LC50 Fish 1	13.4 mg/L (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	3.82 mg/L (Exposure time: 48 h - Species: water flea)
LC50 Fish 2	2.661 – 4.093 mg/L (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 - Crustacea [2]	0.6 mg/L (Exposure time: 48 h - Species: Gammarus lacustris)

n-Propylbenzene (103-65-1)	
LC50 Fish 1	1.55 mg/L

Benzene, trimethyl- (25551-13-7)	
LC50 Fish 1	7.72 mg/L (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	5.4 mg/L

Naphthalene (91-20-3)	
LC50 Fish 1	5.74 – 6.44 mg/L (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	2.16 mg/L (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	1.6 mg/L (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
EC50 - Crustacea [2]	1.96 mg/L (Exposure time: 48 h - Species: Daphnia magna [Flow through])
ErC50 algae	0.41 mg/L

Toluene (108-88-3)	
LC50 Fish 1	15.22 – 19.05 mg/L (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	5.46 – 9.83 mg/L (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 Fish 2	12.6 mg/L (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [2]	11.5 mg/L (Exposure time: 48 h - Species: Daphnia magna)
NOEC Chronic Fish	1.4 mg/L

o-Chlorotoluene (95-49-8)	
LC50 Fish 1	70 – 100 mg/L (Exposure time: 96 h - Species: Brachydanio rerio [static])
EC50 - Crustacea [1]	0.7 mg/L
NOEC Chronic Crustacea	0.08 mg/L

1,2,3-Trichloropropane (96-18-4)	
LC50 Fish 1	50.8 mg/L (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	20 mg/L (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	25.9 – 28.9 mg/L (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [2]	27.8 – 41.1 mg/L (Exposure time: 48 h - Species: Daphnia magna [semi-static])
NOEC Chronic Fish	4.6 mg/L
NOEC Chronic Crustacea	4.5 mg/L
NOEC Chronic Algae	12.8 mg/L

1,1,1-Trichloroethane (71-55-6)	
LC50 Fish 1	57 – 90 mg/L (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 - Crustacea [1]	> 530 mg/L (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	35.2 – 50.7 mg/L (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [2]	2384 mg/L (Exposure time: 48 h - Species: Daphnia magna)

Carbon tetrachloride (56-23-5)	
LC50 Fish 1	36.3 – 47.3 mg/L (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	29 mg/L (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	9.68 – 11.3 mg/L (Exposure time: 96 h - Species: Pimephales promelas [static])
ErC50 algae	0.46 mg/L

Hydrogen sulfide (7783-06-4)	
LC50 Fish 1	0.0448 mg/L (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through])

LC50 Fish 2	0.016 mg/L (Exposure time: 96 h - Species: Pimephales promelas [flow-through])

12.2. Persistence and Degradability

801 Wastewater	
Persistence and Degradability	May cause long-term adverse effects in the environment.

12.3. Bioaccumulative Potential

801 Wastewater	
Bioaccumulative Potential	Not established.
Ethylene glycol (107-21-1)	
Partition coefficient n-octanol/water (Log Pow)	-1.36
Acetone (67-64-1)	
BCF Fish 1	(0.69)
Partition coefficient n-octanol/water (Log Pow)	-0.24
Methyl ethyl ketone (78-93-3)	
Partition coefficient n-octanol/water (Log Pow)	0.3 at 40 °C (104 °F) (at pH 7)
Benzene (71-43-2)	
BCF Fish 1	3.5 – 4.4
Partition coefficient n-octanol/water (Log Pow)	2.13
Ethylbenzene (100-41-4)	
BCF Fish 1	(15)
Partition coefficient n-octanol/water (Log Pow)	3.6 at 20 °C (68 °F) (at pH 7.84)
Xylenes (o-, m-, p- isomers) (1330-20-7)	
BCF Fish 1	0.6 – 15
Partition coefficient n-octanol/water (Log Pow)	2.77 – 3.15
n-Propylbenzene (103-65-1)	
Partition coefficient n-octanol/water (Log Pow)	3.68
Naphthalene (91-20-3)	
BCF Fish 1	36.5 – 168 (whole body w.w.)
Partition coefficient n-octanol/water (Log Pow)	3.4 at 25 °C (77 °F) (at pH 7-7.5)
Toluene (108-88-3)	
Partition coefficient n-octanol/water (Log Pow)	2.73 at 20 °C (68 °F) (at pH 7)
o-Chlorotoluene (95-49-8)	
BCF Fish 1	20 – 112
Partition coefficient n-octanol/water (Log Pow)	3.42
1,2,3-Trichloropropane (96-18-4)	
BCF Fish 1	5.3 – 13
1,1,1-Trichloroethane (71-55-6)	
BCF Fish 1	0.7 – 3
Partition coefficient n-octanol/water (Log Pow)	2.49 at 20 °C (68 °F) (at pH 7)
Carbon tetrachloride (56-23-5)	

BCF Fish 1	49.9 – 75.1 (organ w.w.)
Partition coefficient n-octanol/water (Log Pow)	2.83 (at 25 °C (at pH 7)

Hydrogen sulfide (7783-06-4)	
BCF Fish 1	(no bioaccumulation expected)
Partition coefficient n-octanol/water (Log Pow)	0.45 at 25 °C (77 °F)

Distillates, petroleum, straight-run middle (64741-44-2)	
Partition coefficient n-octanol/water (Log Pow)	3.9 – 6

12.4. Mobility in Soil

No additional information available

12.5. Other Adverse Effects

Other Information: Avoid release to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste Treatment Methods: Incineration is the preferred method for disposal of waste product.

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.

Ecology - Waste Materials: Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: TRANSPORT INFORMATION

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued.

14.1. In Accordance with DOT

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (CONTAINS : Hydrogen sulfide)
Hazard Class : 9
Identification Number : UN3082
Label Codes : 9

Packing Group : III
Marine Pollutant : Marine pollutant
ERG Number : 171

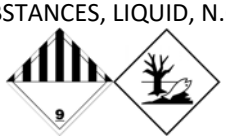
14.2. In Accordance with IMDG

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (CONTAINS : Hydrogen sulfide)
Hazard Class : 9
Identification Number : UN3082
Label Codes : 9

Packing Group : III
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-F
Marine pollutant : Marine pollutant

14.3. In Accordance with IATA

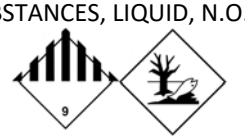
Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (CONTAINS : Hydrogen sulfide)
Hazard Class : 9
Identification Number : UN3082
Label Codes : 9



Packing Group : III
ERG Code (IATA) : 9L

14.4. In Accordance with TDG

Proper Shipping Name : ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (CONTAINS : Hydrogen sulfide)
Hazard Class : 9
Identification Number : UN3082
Label Codes : 9
Packing Group : III
Marine Pollutant (TDG) : Marine pollutant



SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

801 Wastewater	
SARA Section 311/312 Hazard Classes	Health hazard - Carcinogenicity Health hazard - Reproductive toxicity Health hazard - Specific target organ toxicity (single or repeated exposure) Health hazard - Serious eye damage or eye irritation Health hazard - Germ cell mutagenicity Health hazard - Acute toxicity (any route of exposure)

Ethylene glycol (107-21-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	5000 lb
SARA Section 313 - Emission Reporting	1 %

Acetone (67-64-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	5000 lb

Methyl ethyl ketone (78-93-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	5000 lb

Benzene (71-43-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	10 lb received an adjusted RQ of 10 lbs based on potential carcinogenicity in an August 14, 1989 final rule
SARA Section 313 - Emission Reporting	0.1 %

Ethylbenzene (100-41-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	1000 lb
SARA Section 313 - Emission Reporting	0.1 %

Xylenes (o-, m-, p- isomers) (1330-20-7)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	100 lb
SARA Section 313 - Emission Reporting	1 %

n-Propylbenzene (103-65-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Benzene, trimethyl- (25551-13-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

Naphthalene (91-20-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	100 lb
SARA Section 313 - Emission Reporting	0.1 %

Toluene (108-88-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active

CERCLA RQ	1000 lb
SARA Section 313 - Emission Reporting	1 %

o-Chlorotoluene (95-49-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	

1,2,3-Trichloropropane (96-18-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
SARA Section 313 - Emission Reporting	0.1 %

1,1,1-Trichloroethane (71-55-6)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	1000 lb
SARA Section 313 - Emission Reporting	1 %

Carbon tetrachloride (56-23-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	
CERCLA RQ	10 lb
SARA Section 313 - Emission Reporting	0.1 %

D019-Unlisted hazardous wastes characteristic of toxicity (carbon tetrachloride) (Not Applicable)	
CERCLA RQ	10 lb

K021-hazardous wastes (Not Applicable)	
CERCLA RQ	10 lb

F025-Hazardous wastes (Not Applicable)	
CERCLA RQ	1 lb

D035-Unlisted hazardous wastes characteristic of toxicity (methyl ethyl ketone) (Not Applicable)	
CERCLA RQ	5000 lb

D018-Unlisted hazardous wastes characteristic of toxicity (benzene) (Not Applicable)	
CERCLA RQ	10 lb

Hydrogen sulfide (7783-06-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on the United States SARA Section 302	
CERCLA RQ	100 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	500 lb
SARA Section 313 - Emission Reporting	1 %

Distillates, petroleum, straight-run middle (64741-44-2)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	

Naphtha, petroleum, heavy straight-run (64741-41-9)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active	

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

CAS-No.	Name	Percent by Weight
107-21-1	Ethylene glycol	≤ 20%
Not Applicable	Glycol ethers	≤ 1%
71-43-2	Benzene	≤ 0.3%
100-41-4	Ethylbenzene	≤ 0.3%
1330-20-7	Xylenes (o-, m-, p- isomers)	≤ 0.3%
91-20-3	Naphthalene	≤ 0.3%
108-88-3	Toluene	≤ 0.3%
96-18-4	1,2,3-Trichloropropane	< 1%
71-55-6	1,1,1-Trichloroethane	< 1%
56-23-5	Carbon tetrachloride	< 1%
7783-06-4	Hydrogen sulfide	≤ 2%

15.2. US State Regulations

California Proposition 65

WARNING: This product can expose you to Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Chemical Name (CAS No.)	Carcinogenicity	Developmental Toxicity	Female Reproductive Toxicity	Male Reproductive Toxicity
Ethylene glycol (107-21-1)		X		
Benzene (71-43-2)	X	X		X
Ethylbenzene (100-41-4)	X			
Naphthalene (91-20-3)	X			
Toluene (108-88-3)		X		
1,2,3-Trichloropropane (96-18-4)	X			
Carbon tetrachloride (56-23-5)	X			

Ethylene glycol (107-21-1)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Acetone (67-64-1)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Methyl ethyl ketone (78-93-3)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Benzene (71-43-2)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Ethylbenzene (100-41-4)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Xylenes (o-, m-, p- isomers) (1330-20-7)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

n-Propylbenzene (103-65-1)
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List

Benzene, trimethyl- (25551-13-7)

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List

Naphthalene (91-20-3)

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Toluene (108-88-3)

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

o-Chlorotoluene (95-49-8)

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List

1,2,3-Trichloropropane (96-18-4)

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

1,1,1-Trichloroethane (71-55-6)

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Carbon tetrachloride (56-23-5)

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

Hydrogen sulfide (7783-06-4)

U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List
U.S. - Massachusetts - Right To Know List
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

15.3. Canadian Regulations

Ethylene glycol (107-21-1)

Listed on the Canadian DSL (Domestic Substances List)

Acetone (67-64-1)

Listed on the Canadian DSL (Domestic Substances List)

Methyl ethyl ketone (78-93-3)

Listed on the Canadian DSL (Domestic Substances List)

Benzene (71-43-2)

Listed on the Canadian DSL (Domestic Substances List)

Ethylbenzene (100-41-4)

Listed on the Canadian DSL (Domestic Substances List)

Xylenes (o-, m-, p- isomers) (1330-20-7)

Listed on the Canadian DSL (Domestic Substances List)

n-Propylbenzene (103-65-1)
Listed on the Canadian DSL (Domestic Substances List)
Benzene, trimethyl- (25551-13-7)
Listed on the Canadian DSL (Domestic Substances List)
Naphthalene (91-20-3)
Listed on the Canadian DSL (Domestic Substances List)
Toluene (108-88-3)
Listed on the Canadian DSL (Domestic Substances List)
o-Chlorotoluene (95-49-8)
Listed on the Canadian DSL (Domestic Substances List)
1,2,3-Trichloropropane (96-18-4)
Listed on the Canadian DSL (Domestic Substances List)
1,1,1-Trichloroethane (71-55-6)
Listed on the Canadian DSL (Domestic Substances List)
Carbon tetrachloride (56-23-5)
Listed on the Canadian DSL (Domestic Substances List)
Hydrogen sulfide (7783-06-4)
Listed on the Canadian DSL (Domestic Substances List)
Distillates, petroleum, straight-run middle (64741-44-2)
Listed on the Canadian DSL (Domestic Substances List)
Naphtha, petroleum, heavy straight-run (64741-41-9)
Listed on the Canadian DSL (Domestic Substances List)

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Date of Preparation or Latest Revision : 10/31/2022

Indication of Changes : New issue SDS.

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200 and Canada's Hazardous Products Regulations (HPR) SOR/2015-17.

GHS Full Text Phrases:

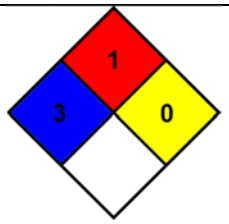
H220	Extremely flammable gas
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H227	Combustible liquid
H280	Contains gas under pressure; may explode if heated
H301	Toxic if swallowed
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H311	Toxic in contact with skin
H315	Causes skin irritation
H319	Causes serious eye irritation
H320	Causes eye irritation
H330	Fatal if inhaled
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H340	May cause genetic defects
H350	May cause cancer

H351	Suspected of causing cancer
H361	Suspected of damaging fertility or the unborn child
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure

NFPA Health Hazard : 3 - Materials that, under emergency conditions, can cause serious or permanent injury.

NFPA Fire Hazard : 1 - Materials that must be preheated before ignition can occur.

NFPA Reactivity Hazard : 0 - Material that in themselves are normally stable, even under fire conditions.



The information contained herein is correct to the best of our knowledge, information, and belief and is designed only as guidance for the handling, use, processing, storage, transportation, disposal, and release of the product. User assumes all risks incident to use of this product and shall determine the quality and suitability of the product for its use. Supplier offers no warranty, express or implied, whatsoever, including warranties of merchantability or fitness for a particular purpose or otherwise, and specifically disclaims any and all liability for incidental, consequential, or other damages arising out the use or misuse of the product. The information provided relates only to the specific material provided and may not be valid if used in combination with any other materials or process, unless specified herein.

NA GHS SDS 2015 (Can, US)