



# Chrome Polish

## Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations US GHS SDS

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Version: 1.1

### SECTION 1: IDENTIFICATION

#### 1.1. Product Identifier

**Product Form:** Mixture

**Product Name:** Chrome Polish

**Product Code:** 53777, 50786

#### 1.2. Intended Use of the Product

**Use of the Substance/Mixture:** Automotive Metal Polish

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

##### Manufacturer

Turtle Wax, Inc.

2250 W. Pinehurst Blvd., Suite 150

Addison, IL 60101-6103

Phone Number: 1(630)455-3700

Toll-Free Number: 1(800)887-8539

#### 1.4. Emergency Telephone Number

**Emergency Number** : ChemTel LLC  
1-800-255-3924 (US and Canada)  
1-813-248-0585 (International)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1. Classification of the Substance or Mixture

Skin Irrit. 2 H315

Full text of hazard classes and H-statements : see section 16

#### 2.2. Label Elements

##### GHS-US Labeling

**Hazard Pictograms (GHS-US)**



GHS07

**Signal Word (GHS-US)**

: Warning

**Hazard Statements (GHS-US)**

: H315 - Causes skin irritation.

**Precautionary Statements (GHS-US)**

: P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.  
P280 - Wear protective gloves, protective clothing, and eye protection.  
P302+P352 - If on skin: Wash with plenty of water.  
P321 - Specific treatment (see section 4 on this SDS).  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P362+P364 - Take off contaminated clothing and wash it before reuse.

#### 2.3. Other Hazards

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

#### 2.4. Unknown Acute Toxicity (GHS-US)

No data available

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	Synonyms	Product Identifier	%	GHS US classification
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Petroleum distillates, hydrotreated light	Hydrotreated Light Alkanes / Distillates (petroleum), hydrotreated light / Distillates, petroleum, hydrotreated light	(CAS-No.) 64742-47-8	7 - 13	Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Petroleum distillates, hydrotreated light	Hydrotreated Light Alkanes / Distillates (petroleum), hydrotreated light / Distillates, petroleum, hydrotreated light	(CAS-No.) 64742-47-8	1.5 – 2	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
2,6-Di-tert-butylphenol	Butylated Phenol / 2,6-Bis(tert-butyl)phenol / Phenol, 2,6-bis(1,1-dimethylethyl)-	(CAS-No.) 128-39-2	0.15 – 0.2	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1,2-Benzisothiazol-3(2H)-one	Benzisothiazolinone / 1,2-Benzisothiazolin-3-one / Benzisothiazolinone	(CAS-No.) 2634-33-5	0.027 – 0.033	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410 Comb. Dust
Propanol, 1(or 2)-(2-methoxymethylethoxy)-	Dipropylene Glycol Methyl Ether / Dipropylene glycol monomethyl ether / (2-Methoxymethylethoxy)propanol /	(CAS-No.) 34590-94-8	0.005 – 0.025	Flam. Liq. 4, H227
Sodium hydroxide	Sodium hydroxide / Caustic soda / Sodium hydroxide (Na(OH))	(CAS-No.) 1310-73-2	0.0075 – 0.0105	Met. Corr. 1, H290 Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 3, H402
Cyclohexane	Cyclohexane / Benzene, hexahydro- / CYCLOHEXANE	(CAS-No.) 110-82-7	< 0.01	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Ethyl acetate	Ethyl acetate / Acetic acid, ethyl ester / Ethyl ethanoate	(CAS-No.) 141-78-6	< 0.01	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
Acrylic acid	Acrylic acid / Acroleic acid / Propenoic acid	(CAS-No.) 79-10-7	< 0.01	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:vapour), H331 Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 2, H411

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1-Octene	Octene / Oct-1-ene / Octene, 1-	(CAS-No.) 111-66-0	< 0.01	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Phenol	Phenol / Hydroxybenzene / Monohydroxybenzene	(CAS-No.) 108-95-2	< 0.005	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 Muta. 2, H341 STOT SE 1, H370 STOT RE 2, H373 Aquatic Acute 2, H401 Aquatic Chronic 2, H411
Methyl acrylate	Methyl Acrylate / Acrylic acid, methyl ester / 2-Propenoic acid, methyl ester	(CAS-No.) 96-33-3	<0.0002	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Acute Tox. 3 (Inhalation:dust,mist), H331 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 Aquatic Acute 2, H401 Aquatic Chronic 3, H412
Propylene oxide	Propylene Oxide / Epoxypropane / 1,2-Epoxypropane	(CAS-No.) 75-56-9	<0.00001	Flam. Liq. 1, H224 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Muta. 1B, H340 Carc. 2, H351 STOT SE 3, H335 Aquatic Acute 3, H402
Ethylene oxide	Ethylene oxide / Dimethylene oxide / 1,2-Epoxyethane	(CAS-No.) 75-21-8	<0.00001	Flam. Gas 1, H220 Press. Gas (Comp.), H280 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Inhalation:gas), H331 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Muta. 1B, H340 Carc. 1B, H350 STOT SE 3, H335 STOT RE 1, H372 Aquatic Acute 3, H402
1,4-Dioxane	1,4-Dioxane / 1,4-Diethylene dioxide / 1,4-Dioxacyclohexane	(CAS-No.) 123-91-1	<0.00001	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 Carc. 2, H351 STOT SE 3, H335

Full text of H-phrases: see section 16

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The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret [29 CFR 1910.1200].

### SECTION 4: FIRST AID MEASURES

#### 4.1. Description of First-aid Measures

**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).

**First-aid Measures After Inhalation:** When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

**First-aid Measures After Skin Contact:** Remove contaminated clothing. Immediately drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

**First-aid Measures After Eye Contact:** Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation develops or persists. Rinse cautiously with water for at least 15 minutes.

**First-aid Measures After Ingestion:** Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

#### 4.2. Most Important Symptoms and Effects Both Acute and Delayed

**Symptoms/Injuries:** Causes skin irritation.

**Symptoms/Injuries After Inhalation:** Prolonged exposure may cause irritation.

**Symptoms/Injuries After Skin Contact:** Redness, pain, swelling, itching, burning, dryness, and dermatitis. May cause an allergic reaction in sensitive individuals.

**Symptoms/Injuries After Eye Contact:** May cause slight irritation to eyes.

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

**Chronic Symptoms:** None known.

#### 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<sub>2</sub>), 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.

**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 (CO, CO<sub>2</sub>). Nitrogen oxides. Hydrocarbons. Oxides of silicone. Irritating fumes.

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

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Avoid breathing (vapor, mist, spray). Avoid all contact with skin, eyes, or 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.

#### 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.

**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.

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### 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:** Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing vapors, mist, spray.

**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.

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers. Halogenated compounds.

### 7.3. Specific End Use(s)

Automotive Metal Polish

## 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), or OSHA (PEL).

Cyclohexane (110-82-7)		
USA ACGIH	ACGIH OEL TWA [ppm]	100 ppm
USA NIOSH	NIOSH REL (TWA)	1050 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL TWA [ppm]	300 ppm
USA IDLH	IDLH [ppm]	1300 ppm (10% LEL)
USA OSHA	OSHA PEL (TWA) [1]	1050 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) [2]	300 ppm
Ethyl acetate (141-78-6)		
USA ACGIH	ACGIH OEL TWA [ppm]	400 ppm
USA NIOSH	NIOSH REL (TWA)	1400 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL TWA [ppm]	400 ppm
USA IDLH	IDLH [ppm]	2000 ppm (10% LEL)
USA OSHA	OSHA PEL (TWA) [1]	1400 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) [2]	400 ppm
Acrylic acid (79-10-7)		
USA ACGIH	ACGIH OEL TWA [ppm]	2 ppm
USA ACGIH	ACGIH chemical category	Not Classifiable as a Human Carcinogen, Skin - potential significant contribution to overall exposure by the cutaneous route
USA NIOSH	NIOSH REL (TWA)	6 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL TWA [ppm]	2 ppm
Propanol, 1(or 2)-(2-methoxymethylethoxy)- (34590-94-8)		
USA ACGIH	ACGIH OEL TWA [ppm]	100 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	150 ppm
USA ACGIH	ACGIH chemical category	Skin - potential significant contribution to overall exposure by the cutaneous route
USA NIOSH	NIOSH REL (TWA)	600 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL TWA [ppm]	100 ppm
USA NIOSH	NIOSH REL (STEL)	900 mg/m <sup>3</sup>
USA NIOSH	NIOSH REL STEL [ppm]	150 ppm
USA IDLH	IDLH [ppm]	600 ppm
USA OSHA	OSHA PEL (TWA) [1]	600 mg/m <sup>3</sup>
USA OSHA	OSHA PEL (TWA) [2]	100 ppm
USA OSHA	Limit value category (OSHA)	prevent or reduce skin absorption
Sodium hydroxide (1310-73-2)		
USA ACGIH	ACGIH OEL Ceiling	2 mg/m <sup>3</sup>

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<b>USA NIOSH</b>	NIOSH REL (Ceiling)	2 mg/m <sup>3</sup>
<b>USA IDLH</b>	IDLH	10 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) [1]	2 mg/m <sup>3</sup>
<b>Methyl acrylate (96-33-3)</b>		
<b>USA ACGIH</b>	ACGIH OEL TWA [ppm]	2 ppm
<b>USA ACGIH</b>	ACGIH chemical category	Not Classifiable as a Human Carcinogen, Skin - potential significant contribution to overall exposure by the cutaneous route, dermal sensitizer
<b>USA NIOSH</b>	NIOSH REL (TWA)	35 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL TWA [ppm]	10 ppm
<b>USA IDLH</b>	IDLH [ppm]	250 ppm
<b>USA OSHA</b>	OSHA PEL (TWA) [1]	35 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) [2]	10 ppm
<b>USA OSHA</b>	Limit value category (OSHA)	prevent or reduce skin absorption
<b>Propylene oxide (75-56-9)</b>		
<b>USA ACGIH</b>	ACGIH OEL TWA [ppm]	2 ppm
<b>USA ACGIH</b>	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans, dermal sensitizer
<b>USA IDLH</b>	IDLH [ppm]	400 ppm
<b>USA OSHA</b>	OSHA PEL (TWA) [1]	240 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) [2]	100 ppm
<b>Ethylene oxide (75-21-8)</b>		
<b>USA ACGIH</b>	ACGIH OEL TWA [ppm]	1 ppm
<b>USA ACGIH</b>	ACGIH chemical category	Suspected Human Carcinogen
<b>USA ACGIH</b>	BEI (BLV)	Parameter: N-(2-Hydroxyethyl)valine (HEV) hemoglobin adducts - Medium: blood - Sampling time: not critical (nonspecific) Parameter: S-(2-Hydroxyethyl)mercapturic acid (HEMA) - Medium: urine - Sampling time: end of shift (nonspecific, population based)
<b>USA NIOSH</b>	NIOSH REL (TWA)	0.18 mg/m <sup>3</sup> (less than stated value)
<b>USA NIOSH</b>	NIOSH REL TWA [ppm]	0.1 ppm (less than stated value)
<b>USA NIOSH</b>	NIOSH REL (Ceiling)	9 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL C [ppm]	5 ppm
<b>USA IDLH</b>	IDLH [ppm]	800 ppm
<b>USA OSHA</b>	OSHA PEL (TWA) [2]	1 ppm
<b>USA OSHA</b>	OSHA PEL (STEL) [2]	5 ppm (see 29 CFR 1910.1047)
<b>USA OSHA</b>	OSHA Action Level/Excursion Limit	0.5 ppm (Action Level, see 29 CFR 1910.1047) 5 ppm (Excursion Limit, see 29 CFR 1910.1047)
<b>1,4-Dioxane (123-91-1)</b>		
<b>USA ACGIH</b>	ACGIH OEL TWA [ppm]	20 ppm
<b>USA ACGIH</b>	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans, Skin - potential significant contribution to overall exposure by the cutaneous route
<b>USA NIOSH</b>	NIOSH REL (Ceiling)	3.6 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL C [ppm]	1 ppm
<b>USA IDLH</b>	IDLH [ppm]	500 ppm
<b>USA OSHA</b>	OSHA PEL (TWA) [1]	360 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) [2]	100 ppm
<b>USA OSHA</b>	Limit value category (OSHA)	prevent or reduce skin absorption
<b>1-Octene (111-66-0)</b>		
<b>USA AIHA</b>	WEEL TWA [ppm]	75 ppm
<b>Phenol (108-95-2)</b>		
<b>USA ACGIH</b>	ACGIH OEL TWA [ppm]	5 ppm
<b>USA ACGIH</b>	ACGIH chemical category	Not Classifiable as a Human Carcinogen, Skin - potential significant contribution to overall exposure by the cutaneous route

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<b>USA ACGIH</b>	BEI (BLV)	250 mg/g Kreatinin Parameter: Phenol with hydrolysis - Medium: urine - Sampling time: end of shift (background, nonspecific)
<b>USA NIOSH</b>	NIOSH REL (TWA)	19 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL TWA [ppm]	5 ppm
<b>USA NIOSH</b>	NIOSH REL (Ceiling)	60 mg/m <sup>3</sup>
<b>USA NIOSH</b>	NIOSH REL C [ppm]	15.6 ppm
<b>USA IDLH</b>	IDLH [ppm]	250 ppm
<b>USA OSHA</b>	OSHA PEL (TWA) [1]	19 mg/m <sup>3</sup>
<b>USA OSHA</b>	OSHA PEL (TWA) [2]	5 ppm
<b>USA OSHA</b>	Limit value category (OSHA)	prevent or reduce skin absorption

### 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.

#### Personal Protective Equipment

: Gloves. Protective clothing. Protective goggles.



#### Materials for Protective Clothing

: Chemically resistant materials and fabrics.

#### Hand Protection

: Wear protective gloves.

#### Eye and Face Protection

: Chemical safety goggles.

#### 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	: White liquid
Odor	: Typical
Odor Threshold	: No data available
pH	: 8.7
Evaporation Rate	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: > 93 °C (199.4 °F) (Closed Cup)
Auto-ignition Temperature	: No data available
Decomposition Temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapor Pressure	: No data available
Relative Vapor Density at 20°C	: No data available
Relative Density	: No data available
Specific Gravity	: 1.031
Solubility	: No data available
Partition Coefficient: N-Octanol/Water	: No data available
Viscosity	: No data available
Viscosity, Dynamic	: 6500 cP

### 9.2. Other Information

VOC content (California)	: 2 %
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% NVM by Weight : 14 %

### 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. Halogenated compounds.
- 10.6. Hazardous Decomposition Products:** Thermal decomposition may produce: Carbon oxides (CO, CO<sub>2</sub>). Nitrogen oxides. Hydrocarbons.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1. Information on Toxicological Effects

**Acute Toxicity (Oral):** Not classified

**Acute Toxicity (Dermal):** Not classified

**Acute Toxicity (Inhalation):** Not classified

<b>Cyclohexane (110-82-7)</b>	
LD50 Oral Rat	12705 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat	> 9500 ppm/4h
<b>Ethyl acetate (141-78-6)</b>	
LD50 Oral Rat	5620 mg/kg
LD50 Dermal Rabbit	> 18000 mg/kg
LC50 Inhalation Rat	> 7348 mg/l/4h (calculated off of 6hr test results)
LC50 Inhalation Rat	4000 ppm/4h
<b>Acrylic acid (79-10-7)</b>	
LD50 Oral Rat	1337 mg/kg
LD50 Dermal Rabbit	640 mg/kg
LC50 Inhalation Rat	11.1 mg/l (Exposure time: 1 h)
LC50 Inhalation Rat	3.6 mg/l/4h
LC50 Inhalation Rat	2.75 mg/l/4h
<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat	> 5.3 mg/l/4h
<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat	> 5.2 mg/l/4h
<b>2,6-Di-tert-butylphenol (128-39-2)</b>	
LD50 Oral Rat	> 5000 mg/kg
LD50 Dermal Rabbit	> 10 g/kg
<b>Propanol, 1(or 2)-(2-methoxymethylethoxy)- (34590-94-8)</b>	
LD50 Oral Rat	> 5000 mg/kg (Species: Sprague-Dawley)
LD50 Dermal Rabbit	9500 mg/kg
<b>1,2-Benzisothiazol-3(2H)-one (2634-33-5)</b>	
LD50 Oral Rat	1020 mg/kg
LD50 Dermal Rat	> 2000 mg/kg
<b>Sodium hydroxide (1310-73-2)</b>	
LD50 Oral Rat	325 mg/kg
<b>Methyl acrylate (96-33-3)</b>	
LD50 Oral Rat	277 mg/kg
LD50 Dermal Rabbit	1243 mg/kg
LC50 Inhalation Rat	3.58 mg/l/4h



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<b>LC50 Inhalation Rat</b>	2.64 mg/l/4h
<b>ATE (Dust/Mist)</b>	0.50 mg/l/4h
<b>Propylene oxide (75-56-9)</b>	
<b>LD50 Oral Rat</b>	520 mg/kg
<b>LD50 Dermal Rabbit</b>	1244 mg/kg
<b>LC50 Inhalation Rat</b>	9.48 mg/l/4h
<b>LC50 Inhalation Rat</b>	9.51 mg/l/4h
<b>ATE (Dust/Mist)</b>	1.50 mg/l/4h
<b>Ethylene oxide (75-21-8)</b>	
<b>LD50 Oral Rat</b>	72 mg/kg
<b>LC50 Inhalation Rat</b>	800 ppm/4h
<b>1,4-Dioxane (123-91-1)</b>	
<b>LD50 Oral Rat</b>	5170 mg/kg
<b>LD50 Dermal Rabbit</b>	7600 mg/kg
<b>LC50 Inhalation Rat</b>	46 mg/l (Exposure time: 2 h)
<b>LC50 Inhalation Rat</b>	32.5 mg/l/4h
<b>1-Octene (111-66-0)</b>	
<b>LD50 Oral Rat</b>	> 5000 mg/kg
<b>LD50 Dermal Rabbit</b>	> 10 g/kg
<b>LC50 Inhalation Rat</b>	36.9 mg/l/4h
<b>LC50 Inhalation Rat</b>	8050 ppm/4h
<b>Phenol (108-95-2)</b>	
<b>LD50 Oral Rat</b>	340 mg/kg
<b>LD50 Dermal Rabbit</b>	630 mg/kg
<b>ATE (Dust/Mist)</b>	0.50 mg/l/4h

**Skin Corrosion/Irritation:** Causes skin irritation.

**pH:** 8.7

**Serious Eye Damage/Irritation:** Not classified

**pH:** 8.7

**Respiratory or Skin Sensitization:** Not classified

**Germ Cell Mutagenicity:** Not classified

**Carcinogenicity:** Not classified

<b>Acrylic acid (79-10-7)</b>	
<b>IARC group</b>	3
<b>Methyl acrylate (96-33-3)</b>	
<b>IARC group</b>	2B
<b>OSHA Hazard Communication Carcinogen List</b>	In OSHA Hazard Communication Carcinogen list.
<b>Propylene oxide (75-56-9)</b>	
<b>IARC group</b>	2B
<b>National Toxicology Program (NTP) Status</b>	Reasonably anticipated to be Human Carcinogen, Evidence of Carcinogenicity.
<b>OSHA Hazard Communication Carcinogen List</b>	In OSHA Hazard Communication Carcinogen list.
<b>Ethylene oxide (75-21-8)</b>	
<b>IARC group</b>	1
<b>National Toxicology Program (NTP) Status</b>	Known Human Carcinogens.
<b>OSHA Hazard Communication Carcinogen List</b>	In OSHA Hazard Communication Carcinogen list.
<b>OSHA Specifically Regulated Carcinogen List</b>	In OSHA Specifically Regulated Carcinogen list.
<b>1,4-Dioxane (123-91-1)</b>	
<b>IARC group</b>	2B
<b>National Toxicology Program (NTP) Status</b>	Reasonably anticipated to be Human Carcinogen, Evidence of Carcinogenicity.
<b>OSHA Hazard Communication Carcinogen List</b>	In OSHA Hazard Communication Carcinogen list.
<b>Phenol (108-95-2)</b>	

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<b>IARC group</b>	3
<b>National Toxicology Program (NTP) Status</b>	Twelfth Report - Items under consideration.

**Reproductive Toxicity:** Not classified

**Specific Target Organ Toxicity (Single Exposure):** Not classified

**Specific Target Organ Toxicity (Repeated Exposure):** Not classified

**Aspiration Hazard:** Not classified

**Symptoms/Injuries After Inhalation:** Prolonged exposure may cause irritation.

**Symptoms/Injuries After Skin Contact:** Redness, pain, swelling, itching, burning, dryness, and dermatitis. May cause an allergic reaction in sensitive individuals.

**Symptoms/Injuries After Eye Contact:** May cause slight irritation to eyes.

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

**Chronic Symptoms:** None known.

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

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

<b>Cyclohexane (110-82-7)</b>	
<b>LC50 Fish 1</b>	3.96 – 5.18 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
<b>EC50 - Crustacea [1]</b>	0.9 mg/l
<b>LC50 Fish 2</b>	23.03 – 42.07 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
<b>NOEC Chronic Algae</b>	0.94 mg/l
<b>Ethyl acetate (141-78-6)</b>	
<b>LC50 Fish 1</b>	220 – 250 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
<b>EC50 - Crustacea [1]</b>	560 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
<b>LC50 Fish 2</b>	484 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
<b>Acrylic acid (79-10-7)</b>	
<b>LC50 Fish 1</b>	222 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])
<b>EC50 - Crustacea [1]</b>	95 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>ErC50 (Algae)</b>	0.13 mg/l
<b>NOEC Chronic Algae</b>	0.016 mg/l
<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
<b>LC50 Fish 1</b>	45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
<b>LC50 Fish 2</b>	2.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
<b>LC50 Fish 1</b>	45 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
<b>LC50 Fish 2</b>	2.2 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
<b>2,6-Di-tert-butylphenol (128-39-2)</b>	
<b>EC50 - Crustacea [1]</b>	0.45 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>Propanol, 1(or 2)-(2-methoxymethylethoxy)- (34590-94-8)</b>	
<b>LC50 Fish 1</b>	> 10000 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
<b>EC50 - Crustacea [1]</b>	1919 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>1,2-Benzisothiazol-3(2H)-one (2634-33-5)</b>	
<b>EC50 - Crustacea [1]</b>	0.99 mg/l
<b>Sodium hydroxide (1310-73-2)</b>	
<b>LC50 Fish 1</b>	45.4 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
<b>EC50 - Crustacea [1]</b>	40 mg/l
<b>Methyl acrylate (96-33-3)</b>	
<b>LC50 Fish 1</b>	1.1 mg/l
<b>EC50 - Crustacea [1]</b>	2.2 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>LC50 Fish 2</b>	1.81 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [semi-static])
<b>NOEC Chronic Crustacea</b>	0.36 mg/l
<b>Propylene oxide (75-56-9)</b>	

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<b>LC50 Fish 1</b>	215 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
<b>EC50 - Crustacea [1]</b>	350 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>Ethylene oxide (75-21-8)</b>	
<b>LC50 Fish 1</b>	73 – 96 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
<b>EC50 - Crustacea [1]</b>	137 – 300 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>1,4-Dioxane (123-91-1)</b>	
<b>LC50 Fish 1</b>	10000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
<b>EC50 - Crustacea [1]</b>	163 mg/l (Exposure time: 48 h - Species: water flea [Static])
<b>LC50 Fish 2</b>	10000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [semi-static])
<b>Phenol (108-95-2)</b>	
<b>LC50 Fish 1</b>	11.9 – 50.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
<b>EC50 - Crustacea [1]</b>	4.24 – 10.7 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
<b>LC50 Fish 2</b>	20.5 – 25.6 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
<b>EC50 - Crustacea [2]</b>	10.2 – 15.5 mg/l (Exposure time: 48 h - Species: Daphnia magna)
<b>NOEC Chronic Fish</b>	0.75 mg/l

### 12.2. Persistence and Degradability

<b>Chrome Polish</b>	
<b>Persistence and Degradability</b>	May cause long-term adverse effects in the environment.
<b>Propanol, 1(or 2)-(2-methoxymethylethoxy)- (34590-94-8)</b>	
<b>Persistence and Degradability</b>	Readily biodegradable.

### 12.3. Bioaccumulative Potential

<b>Chrome Polish</b>	
<b>Bioaccumulative Potential</b>	Not established.
<b>Cyclohexane (110-82-7)</b>	
<b>Partition coefficient n-octanol/water (Log Pow)</b>	3.44
<b>Ethyl acetate (141-78-6)</b>	
<b>BCF Fish 1</b>	30
<b>Partition coefficient n-octanol/water (Log Pow)</b>	0.6
<b>Acrylic acid (79-10-7)</b>	
<b>Partition coefficient n-octanol/water (Log Pow)</b>	0.38 – 0.46 (at 25 °C)
<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
<b>BCF Fish 1</b>	61 – 159
<b>Petroleum distillates, hydrotreated light (64742-47-8)</b>	
<b>BCF Fish 1</b>	61 – 159
<b>Propanol, 1(or 2)-(2-methoxymethylethoxy)- (34590-94-8)</b>	
<b>Partition coefficient n-octanol/water (Log Pow)</b>	-0.064 (at 20 °C)
<b>Bioaccumulative Potential</b>	Not expected to bioaccumulate.
<b>1,2-Benzisothiazol-3(2H)-one (2634-33-5)</b>	
<b>Partition coefficient n-octanol/water (Log Pow)</b>	1.3 (at 25 °C)
<b>Methyl acrylate (96-33-3)</b>	
<b>Partition coefficient n-octanol/water (Log Pow)</b>	0.739 (at 25 °C)
<b>Propylene oxide (75-56-9)</b>	
<b>Partition coefficient n-octanol/water (Log Pow)</b>	0.08
<b>Ethylene oxide (75-21-8)</b>	

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Partition coefficient n-octanol/water (Log Pow)	-0.3 (at 25 °C)
<b>1,4-Dioxane (123-91-1)</b>	
BCF Fish 1	0.2 – 0.7
Partition coefficient n-octanol/water (Log Pow)	-0.42
<b>1-Octene (111-66-0)</b>	
Partition coefficient n-octanol/water (Log Pow)	4.57 (at 25 °C)
<b>Phenol (108-95-2)</b>	
BCF Fish 1	(no significant bioaccumulation)
Partition coefficient n-octanol/water (Log Pow)	1.5

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

**Additional Information:** Container may remain hazardous when empty. Continue to observe all precautions.

**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** Not regulated for transport

**14.2. In Accordance with IMDG** Not regulated for transport

**14.3. In Accordance with IATA** Not regulated for transport

## SECTION 15: REGULATORY INFORMATION

**15.1. US Federal Regulations**

*All components in this mixture are listed on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, have been exempted, are not listed, not disclosed due to CBI requirements or disclosure rules according to the relevant regulation.*

<b>Chrome Polish</b>	
SARA Section 311/312 Hazard Classes	Health hazard - Skin corrosion or Irritation
<b>Cyclohexane (110-82-7)</b>	
Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	1000 lb
SARA Section 313 - Emission Reporting	1 %
<b>Ethyl acetate (141-78-6)</b>	
CERCLA RQ	5000 lb
<b>Acrylic acid (79-10-7)</b>	
Subject to reporting requirements of United States SARA Section 313	
CERCLA RQ	5000 lb
SARA Section 313 - Emission Reporting	1 %
<b>2,6-Di-tert-butylphenol (128-39-2)</b>	
EPA TSCA Regulatory Flag	TP - TP - indicates a substance that is the subject of a proposed Section 4 test rule under TSCA.
<b>Sodium hydroxide (1310-73-2)</b>	
CERCLA RQ	1000 lb
<b>Methyl acrylate (96-33-3)</b>	

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Subject to reporting requirements of United States SARA Section 313	
<b>SARA Section 313 - Emission Reporting</b>	1 %
<b>Propylene oxide (75-56-9)</b>	
Listed on the United States SARA Section 302	
Subject to reporting requirements of United States SARA Section 313	
<b>CERCLA RQ</b>	100 lb
<b>SARA Section 302 Threshold Planning Quantity (TPQ)</b>	10000 lb
<b>SARA Section 313 - Emission Reporting</b>	0.1 %
<b>Ethylene oxide (75-21-8)</b>	
Listed on the United States SARA Section 302	
Subject to reporting requirements of United States SARA Section 313	
<b>CERCLA RQ</b>	10 lb
<b>SARA Section 302 Threshold Planning Quantity (TPQ)</b>	1000 lb
<b>SARA Section 313 - Emission Reporting</b>	0.1 %
<b>1,4-Dioxane (123-91-1)</b>	
Subject to reporting requirements of United States SARA Section 313	
<b>CERCLA RQ</b>	100 lb
<b>SARA Section 313 - Emission Reporting</b>	0.1 %
<b>Phenol (108-95-2)</b>	
Listed on the United States SARA Section 302	
Subject to reporting requirements of United States SARA Section 313	
<b>CERCLA RQ</b>	1000 lb
<b>SARA Section 302 Threshold Planning Quantity (TPQ)</b>	500 – 10000 lb
<b>SARA Section 313 - Emission Reporting</b>	1 %

### 15.2. US State Regulations

<b>Cyclohexane (110-82-7)</b>	
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	
<b>Ethyl acetate (141-78-6)</b>	
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	
<b>Acrylic acid (79-10-7)</b>	
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	
<b>Propanol, 1(or 2)-(2-methoxymethylethoxy)- (34590-94-8)</b>	
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	
<b>Sodium hydroxide (1310-73-2)</b>	
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	
<b>Methyl acrylate (96-33-3)</b>	
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	

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### Propylene oxide (75-56-9)

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

### Ethylene oxide (75-21-8)

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  
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances  
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

### 1,4-Dioxane (123-91-1)

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) - Special Hazardous Substances  
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List


### 1-Octene (111-66-0)

U.S. - Pennsylvania - RTK (Right to Know) List  
U.S. - Massachusetts - Right To Know List

### Phenol (108-95-2)

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) - Environmental Hazard List

### California Proposition 65

 **WARNING:** This product can expose you to Ethylene oxide, 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](http://www.P65Warnings.ca.gov).

Chemical Name (CAS No.)	Carcinogenicity	Developmental Toxicity	Female Reproductive Toxicity	Male Reproductive Toxicity
Propylene oxide (75-56-9)	X			
Ethylene oxide (75-21-8)	X	X	X	X
1,4-Dioxane (123-91-1)	X			

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

**Date of Preparation or Latest Revision** : 10/25/2021  
**Formula Identification Number** : 53777  
**Other Information** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

### GHS Full Text Phrases:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Acute Tox. 3 (Inhalation:gas)	Acute toxicity (inhalation:gas) Category 3
Acute Tox. 3 (Inhalation:vapour)	Acute toxicity (inhalation:vapor) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral) Category 3
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment - Acute Hazard Category 1
Aquatic Acute 2	Hazardous to the aquatic environment - Acute Hazard Category 2
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3

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Aquatic Chronic 1	Hazardous to the aquatic environment - Chronic Hazard Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment - Chronic Hazard Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment - Chronic Hazard Category 3
Asp. Tox. 1	Aspiration hazard Category 1
Carc. 1B	Carcinogenicity Category 1B
Carc. 2	Carcinogenicity Category 2
Comb. Dust	Combustible Dust
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Eye Irrit. 2B	Serious eye damage/eye irritation Category 2B
Flam. Gas 1	Flammable gases Category 1
Flam. Liq. 1	Flammable liquids Category 1
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
Flam. Liq. 4	Flammable liquids Category 4
Met. Corr. 1	Corrosive to metals Category 1
Muta. 1B	Germ cell mutagenicity Category 1B
Muta. 2	Germ cell mutagenicity Category 2
Press. Gas (Comp.)	Gases under pressure Compressed gas
Skin Corr. 1A	Skin corrosion/irritation Category 1A
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization, Category 1
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
STOT SE 1	Specific target organ toxicity (single exposure) Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H220	Extremely flammable gas
H224	Extremely flammable liquid and vapor
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H227	Combustible liquid
H280	Contains gas under pressure; may explode if heated
H290	May be corrosive to metals
H301	Toxic if swallowed
H302	Harmful if swallowed
H304	May be fatal if swallowed and enters airways
H311	Toxic in contact with skin
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H320	Causes eye irritation
H331	Toxic if inhaled
H332	Harmful if inhaled
H335	May cause respiratory irritation

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H336	May cause drowsiness or dizziness
H340	May cause genetic defects
H341	Suspected of causing genetic defects
H350	May cause cancer
H351	Suspected of causing cancer
H370	Causes damage to organs
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H401	Toxic to aquatic life
H402	Harmful to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H411	Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects

### NFPA Health Hazard

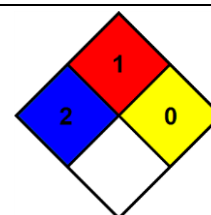
: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

### 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.



### HMIS III Rating

#### Health

: 2 Moderate Hazard

#### Flammability

: 1 Slight Hazard

#### Physical

: 0 Minimal Hazard

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*This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any particular conditions or process. Such information is, to the best of our knowledge and belief, accurate and reliable as of the date issued. No warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the responsibility of the user or processor to satisfy themselves as to the suitability of such information for their own particular circumstances, conditions or use, including transportation, storage and disposal which are outside of our control.*

SDS US (GHS HazCom)