Turtle wax

Wet N Black Tire Shine

Safety Data Sheet

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

Date of Issue: 08/10/2021 Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Form: Mixture

Product Name: Wet N Black Tire Shine

Product Code: T-217RA (50181), T-217RAC (50182), 50593, 50804, 50866

1.2. Intended Use of the Product

Use of the Substance/Mixture: Rubber/Vinyl Protectant - Non-Aerosol **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 : CHEMTREC

Within USA and Canada: 1-800-424-9300 or +1-703-527-3887 (collect calls

accepted)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Eye Irrit. 2 H319 Skin Sens. 1 H317

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

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US)



Signal Word (GHS-US) : Warning

Hazard Statements (GHS-US) : H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

Precautionary Statements (GHS-US): P261 - Avoid breathing vapors, mist, or spray.

P264 - Wash hands, forearms, and other exposed areas thoroughly after handling. P272 - Contaminated work clothing must not be allowed out of the workplace.

P280 - Wear protective gloves, protective clothing, and eye protection.

P302+P352 - If on skin: Wash with plenty of water.

P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P321 - Specific treatment (see section 4 on this SDS).

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention.

P363 - Wash contaminated clothing before reuse.

P501 - Dispose of contents/container in accordance with local, regional, national,

and international regulations.

2.3. Other Hazards

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

2.4. Unknown Acute Toxicity (GHS-US)

No data available

08/10/2021 EN (English US) 1/17

Safety Data Sheet

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance

Not applicable

3.2. Mixture

Name	Synonyms	Product Identifier	%	GHS US classification
Alcohols, C10-16, ethoxylated	C10-16 Alcohol Ethoxylate / PEG alkyl(C10-16) ether / C10-16 Pareth-1 / Ethoxylated alcohols (C10-16)	(CAS-No.) 68002-97-1	< 1.7	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Acute 1, H400
Dimethoxane	Acetate, 2,6-dimethyl-1,3-dioxan- 4-yl / Acetic acid, 2,6-dimethyl-m- dioxan-4-yl ester / Acetic acid, ester with 2,6-dimethyl-m- dioxan-4-ol / 6-Acetoxy-2,4- dimethyl-m-dioxane	(CAS-No.) 828-00-2	< 0.2	Acute Tox. 4 (Oral), H302 Skin Sens. 1A, H317
Octamethylcyclotetrasilo xane	Cyclotetrasiloxane / Cyclotetrasiloxane, octamethyl- / Cyclotetrasiloxane, 2,2,4,4,6,6,8,8-octamethyl- / D4	(CAS-No.) 556-67-2	<0.05	Flam. Liq. 3, H226 Repr. 2, H361 Aquatic Chronic 4, H413
Sodium hydroxide	Caustic soda / Sodium hydroxide (Na(OH)) / LYE	(CAS-No.) 1310-73-2	< 0.01	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 Aquatic Chronic 3, H412
Vinyl acetate	Acetic acid, ethenyl ester / Acetic acid, vinyl ester / 1- Acetoxyethylene / Ethanoic acid, ethenyl ester	(CAS-No.) 108-05-4	< 0.006	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation:dust,mist), H332 Carc. 2, H351 STOT SE 3, H335 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
Benzyl alcohol	.alphaHydroxytoluene / Phenylmethyl alcohol / Phenylmethanol / Methanol, phenyl-	(CAS-No.) 100-51-6	< 0.005	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Inhalation:dust,mist), H332 Eye Irrit. 2A, H319 Aquatic Acute 2, H401
Acetaldehyde	Acetic aldehyde / Ethanal / Ethyl aldehyde	(CAS-No.) 75-07-0	≤ 0.004	Flam. Liq. 1, H224 Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 Carc. 2, H351 STOT SE 3, H335 Aquatic Acute 3, H402

08/10/2021 EN (English US) 2/17

Safety Data Sheet
According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations US GHS SDS

Crotonaldehyde	But-2-enal / 2-Butenal / 2-	(CAS-No.) 4170-30-3	< 0.003	Flam. Liq. 2, H225
	Butenal, stabilized / Crotonaldehyde, stabilized			Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Dermal), H310 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Irrit. 2, H315 Eye Dam. 1, H318 Muta. 2, H341 STOT SE 3, H335 STOT RE 2, H373 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
1,4-Dioxane	1,4-Diethylene dioxide / 1,4- Dioxacyclohexane / p-Dioxane / Dioxane, para-	(CAS-No.) 123-91-1	< 0.002	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 Carc. 2, H351 STOT SE 3, H335
Ethylene oxide	Dimethylene oxide / 1,2- Epoxyethane / Oxirane / Epoxyethane	(CAS-No.) 75-21-8	< 0.002	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 Aquatic Chronic 3, H412
Acetic acid	Acetic acid, glacial / Ethanoic acid / Ethylic acid / Vinegar acid	(CAS-No.) 64-19-7	< 0.001	Flam. Liq. 3, H226 Skin Corr. 1A, H314 Eye Dam. 1, H318 Aquatic Acute 3, H402
Cyclohexane	Benzene, hexahydro- / CYCLOHEXANE / Hexahydrobenzene	(CAS-No.) 110-82-7	< 0.0009	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Propylene glycol monomethyl ether acetate	Methoxyisopropyl Acetate / Acetate, 1-methoxy-2-propyl / Acetic acid, 2-methoxy-1- methylethyl ester / 2-Methoxy-1- methylethyl acetate	(CAS-No.) 108-65-6	< 0.0007	Flam. Liq. 3, H226 STOT SE 3, H336
Ammonia	Ammonia, anhydrous / Free ammonia / Gaseous ammonia / Non-ionic ammonia	(CAS-No.) 7664-41-7	< 0.0003	Flam. Gas 2, H221 Press. Gas (Comp.), H280 Acute Tox. 3 (Inhalation:gas), H331 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
Ethyl acetate	Acetic acid, ethyl ester / Ethyl ethanoate	(CAS-No.) 141-78-6	< 0.0002	Flam. Liq. 2, H225 Eye Irrit. 2B, H320 STOT SE 3, H336

08/10/2021 3/17 EN (English US)

Safety Data Sheet

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

Acrylic acid	Acroleic acid / Propenoic acid / 2- Propenoic acid / Acrylic acid, stabilized	(CAS-No.) 79-10-7	< 0.0002	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

Full text of H-phrases: see section 16

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: Immediately drench affected area with water for at least 15 minutes. Remove contaminated clothing. Obtain medical attention if irritation/rash develops or persists.

First-aid Measures After 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.

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: Skin sensitization. Causes serious eye irritation.

Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation. **Symptoms/Injuries After Skin Contact:** May cause an allergic skin reaction.

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:** None expected under normal conditions of use.

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 (CO₂), 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, CO₂). Silicon oxides. Formaldehyde. Acrid smoke and irritating fumes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. Avoid breathing (vapor, mist, spray).

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.

08/10/2021 EN (English US) 4/17

Safety Data Sheet

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

6.2. Environmental Precautions

Prevent entry to sewers and public waters.

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

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.

7.3. Specific End Use(s)

Rubber/Vinyl Protectant - Non-Aerosol

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		
USA ACGIH	ACGIH OEL TWA [ppm]	100 ppm
USA NIOSH	NIOSH REL (TWA)	1050 mg/m³
USA NIOSH	NIOSH REL TWA [ppm]	300 ppm
USA IDLH	IDLH [ppm]	1300 ppm (10% LEL)
USA OSHA	OSHA PEL (TWA) [1]	1050 mg/m³
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/m³
USA NIOSH	NIOSH REL TWA [ppm]	400 ppm
USA IDLH	IDLH [ppm]	2000 ppm (10% LEL)
USA OSHA	OSHA PEL (TWA) [1]	1400 mg/m³
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/m³
USA NIOSH	NIOSH REL TWA [ppm]	2 ppm
Acetic acid (6	64-19-7)	
USA ACGIH	ACGIH OEL TWA [ppm]	10 ppm
USA ACGIH	ACGIH OEL STEL [ppm]	15 ppm
USA NIOSH	NIOSH REL (TWA)	25 mg/m ³
USA NIOSH	NIOSH REL TWA [ppm]	10 ppm
USA NIOSH	NIOSH REL (STEL)	37 mg/m ³
USA NIOSH	NIOSH REL STEL [ppm]	15 ppm
USA IDLH	IDLH [ppm]	50 ppm
USA OSHA	OSHA PEL (TWA) [1]	25 mg/m³

08/10/2021 EN (English US) 5/17

Safety Data Sheet
According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations US GHS SDS

Acetaldehyde (75-07-0) USA ACGIH ACGIH OEL Ceiling [ppm] 25 ppm USA ACGIH ACGIH chemical category Suspected Human Carcinogen USA IDLH IDLH [ppm] 2000 ppm USA OSHA OSHA PEL (TWA) [1] 360 mg/m³ USA OSHA OSHA PEL (TWA) [2] 200 ppm Vinyl acetate (108-05-4) USA ACGIH ACGIH OEL TWA [ppm] 10 ppm USA ACGIH ACGIH OEL STEL [ppm] 15 ppm	US GHS SDS		
USA ACGIH ACGIH Chemical category Suspected Human Carcinogen USA DEL IDLH (ppm) 2000 ppm USA OSHA OSHA PEL (TWA) [1] 360 mg/m² USA OSHA OSHA PEL (TWA) [2] 2000 ppm USA OSHA ACGIH CHE TWA (ppm) 10 ppm USA ACGIH ACGIH CHE TWA (ppm) 10 ppm USA ACGIH ACGIH CHE TWA (ppm) 15 mg/m² USA ACGIH ACGIH CHE TWA (ppm) 15 mg/m² USA ACGIH ACGIH CHE TWA (ppm) 0.3 ppm USA ACGIH ACGIH CHE TWA (ppm) 2 ppm USA OSHA OSHA PEL (TWA) (11 6 mg/m² 2 ppm USA OSHA OSHA PEL (TWA) (11 6 mg/m² 2 ppm USA OSHA ACGIH CHE TWA (ppm) 2 0 ppm USA OSHA ACGIH CHE TWA (ppm) 2 0 ppm USA ACGIH ACGIH CHE TWA (ppm) 2 0 ppm USA ACGIH ACGIH CHE TWA (ppm) 2 0 ppm USA ACGIH ACGIH CHE TWA (ppm) 2 0 ppm USA ACGIH ACGIH CHE TWA (ppm) 2 0 ppm USA ACGIH ACGIH CHE TWA (ppm) 2 0 ppm USA ACGIH ACGIH CHE TWA (ppm) 2 0 ppm USA ACGIH ACGIH CHE TWA (ppm) 2 0 ppm USA ACGIH ACGIH CHE TWA (ppm) 1 ppm	USA OSHA	OSHA PEL (TWA) [2]	10 ppm
USA ACGIH ACGIH chemical category Suspected Human Carcinogen USA DISHA OSHA PEL (TWA) [1] 360 mg/m³ 2000 ppm 2000 pp	Acetaldehyde	e (75-07-0)	
USA DILH DLH [ppm] 2000 ppm 2000 p	USA ACGIH	ACGIH OEL Ceiling [ppm]	25 ppm
USA OSHA OSHA PEL (TWA) [1] 360 mg/m³ 200 ppm Vinyl acetate (108-05-4) Vinyl acetate (108-	USA ACGIH	ACGIH chemical category	Suspected Human Carcinogen
USA OSHA OSHA PEL (TWA) [2] 200 ppm	USA IDLH	IDLH [ppm]	2000 ppm
Vinyl acetate 108-05-4 ACGIH OEL TWA [ppm] 10 ppm 15 ppm 15 ppm USA ACGIH ACGIH OEL STEL [ppm] 15 ppm 15 ppm USA ACGIH ACGIH OEL STEL [ppm] 15 ppm USA NCGIH ACGIH OEL STEL [ppm] 15 ppm USA NCGIH ACGIH OEL STEL [ppm] 15 mg/m² USA NIOSH NIOSH REL (Ceiling) 15 mg/m² 15 mg/m² USA NIOSH NIOSH REL (Eling) 15 mg/m²	USA OSHA	OSHA PEL (TWA) [1]	360 mg/m³
USA ACGIH ACGIH OEL TWA [ppm] 10 ppm 15 ppm USA ACGIH ACGIH OEL STEL [ppm] 15 ppm USA ACGIH ACGIH Chemical category Confirmed Animal Carcinogen with Unknown Relevance to Human USA NIOSH NIOSH REL (Ceiling) 15 mg/m³ USA NIOSH NIOSH REL (Eling) 4 ppm 4 ppm USA NIOSH NIOSH REL (Eling) 0.3 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 NIOSH NIOSH REL (TWA) 6 mg/m³ USA NIOSH NIOSH REL (TWA) 10 ppm USA OSHA OSHA PEL (TWA) [1] 6 mg/m³ USA OSHA OSHA PEL (TWA) [1] 6 mg/m³ USA OSHA OSHA PEL (TWA) [2] 2 ppm USA ACGIH ACGIH CHE TWA [ppm] 20 ppm USA ACGIH ACGIH CHE TWA [ppm] 1 ppm USA OSHA USA NIOSH NIOSH REL (Ceiling) 3.6 mg/m³ USA OSHA USA O	USA OSHA	OSHA PEL (TWA) [2]	200 ppm
USA ACGIH ACGIH OEL STEL [ppm] 15 ppm 15	Vinyl acetate	(108-05-4)	
USA NIOSH ACGIH chemical category Confirmed Animal Carcinogen with Unknown Relevance to Human USA NIOSH REL (Ceiling) 15 mg/m³ 4 ppm	USA ACGIH	ACGIH OEL TWA [ppm]	10 ppm
USA NIOSH NIOSH REL (Ceiling) 15 mg/m³ 4 ppm	USA ACGIH	ACGIH OEL STEL [ppm]	15 ppm
USA NIOSH NIOSH REL (Celling) 15 mg/m³ 4 ppm	USA ACGIH	ACGIH chemical category	Confirmed Animal Carcinogen with Unknown Relevance to Humans
Crotonaldehyde (4170-30-3) USA ACGIH ACGIH ACGIH CL Ceiling [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 NIOSH USA NIOSH REL [TWA] USA NIOSH REL TWA [ppm] USA OSHA OSHA PEL (TWA) [1] USA OSHA OSHA PEL (TWA) [2] 1,4-Dioxane (123-91-1) 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 NIOSH ACGIH ACGIH Cleiling) USA NIOSH NIOSH REL (Ceiling) USA NIOSH USA NIOSH USA NIOSH USA NIOSH USA NIOSH USA OSHA OSHA PEL (TWA) [1] USA OSHA OSHA PEL (TWA) [1] USA OSHA USA NIOSH USA NIOSH USA OSHA OSHA PEL (TWA) [2] USA OSHA OSHA PEL (TWA) [3] USA OSHA OSHA PEL (TWA) [4] USA OSHA OSHA PEL (TWA) [5] USA OSHA OSHA PEL (TWA) [6] USA OSHA OSHA PEL (TWA) [7] USA OSHA OSHA PEL (TWA) [1] OSH PEL (TWA) [1] OSH PEL (TWA) [1] OSH PEL (TWA) OS	USA NIOSH	NIOSH REL (Ceiling)	15 mg/m³
USA ACGIH ACGIH OEL Ceiling [ppm] 0.3 ppm Confirmed Animal Carcinogen with Unknown Relevance to Humans,Skin - potential significant contribution to overall exposure by the cutaneous route USA NIOSH NIOSH REL (TWA) 6 mg/m³ 2 ppm SO ppm USA OSHA OSHA PEL (TWA) [1] 6 mg/m³ 20 ppm USA OSHA OSHA PEL (TWA) [2] 2 ppm USA OSHA OSHA PEL (TWA) [2] 2 ppm USA OSHA OSHA PEL (TWA) [2] 2 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 NIOSH NIOSH REL (Ceiling) 3.6 mg/m³ 1 ppm USA OSHA PEL (TWA) [1] 500 ppm USA OSHA OSHA PEL (TWA) [2] 100 ppm 1 ppm 100 p	USA NIOSH	NIOSH REL C [ppm]	4 ppm
USA ACGIH ACGIH OEL Ceiling [ppm] 0.3 ppm Confirmed Animal Carcinogen with Unknown Relevance to Humans,Skin - potential significant contribution to overall exposure by the cutaneous route USA NIOSH NIOSH REL (TWA) 6 mg/m³ 2 ppm SO ppm USA OSHA OSHA PEL (TWA) [1] 6 mg/m³ 20 ppm USA OSHA OSHA PEL (TWA) [2] 2 ppm USA OSHA OSHA PEL (TWA) [2] 2 ppm USA OSHA OSHA PEL (TWA) [2] 2 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 NIOSH NIOSH REL (Ceiling) 3.6 mg/m³ 1 ppm USA OSHA PEL (TWA) [1] 500 ppm USA OSHA OSHA PEL (TWA) [2] 100 ppm 1 ppm 100 p	Crotonaldehy	rde (4170-30-3)	
USA ACGIH NIOSH REL (TWA) USA NIOSH USA NIOSH USA NIOSH NIOSH REL TWA [ppm] USA OSHA USA OSHA OSHA PEL (TWA) [1] USA OSHA OSHA PEL (TWA) [2] USA OSHA USA OSHA OSHA PEL (TWA) [2] USA ACGIH OSHA PEL (TWA) [2] OSHA PEL (TWA) [2] USA OSHA OSHA		·	0.3 ppm
Humans,Skin - potential significant contribution to overall exposure by the cutaneous route USA NIOSH NIOSH REL (TWA) 6 mg/m³ USA NIOSH NIOSH REL TWA [ppm] 2 ppm USA OSHA DEL (TWA) [1] 6 mg/m³ USA OSHA PEL (TWA) [2] 2 ppm 1,4-Dioxane (123-91-1) 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 NIOSH NIOSH REL (Ceiling) 3.6 mg/m³ USA NIOSH NIOSH REL C [ppm] 1 ppm USA OSHA DSHA PEL (TWA) [1] 360 mg/m³ USA OSHA OSHA PEL (TWA) [2] 100 ppm USA OSHA OSHA PEL (TWA) [2] 100 ppm USA OSHA OSHA PEL (TWA) [2] 100 ppm USA OSHA DSHA PEL (TWA) [2] 100 ppm USA OSHA DSHA PEL (TWA) [3] 360 mg/m³ USA OSHA DSHA PEL (TWA) [4] 360 mg/m³ USA OSHA DSHA PEL (TWA) [5] 100 ppm USA OSHA DSHA PEL (TWA) [6] 100 ppm USA OSHA DSHA PEL (TWA) [7] 100 ppm USA OSHA DSHA PEL (TWA) [8] 100 ppm USA OSHA DSHA PEL (TWA) [9] 100 ppm USA OSHA DSHA PEL (TWA) [9] 100 ppm USA ACGIH ACGIH OEL TWA [ppm] 1 ppm USA ACGIH ACGIH Chemical category Suspected Human Carcinogen USA NIOSH NIOSH REL (TWA) 0.18 mg/m³ (less than stated value) USA NIOSH NIOSH REL (TWA) 0.18 mg/m³ (less than stated value) USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL C[ppm] 5 ppm			• • • • • • • • • • • • • • • • • • • •
by the cutaneous route		,	
USA NIOSH NIOSH REL (TWA) 6 mg/m³ 2 ppm USA OSHA DILH [ppm] 50 ppm USA OSHA OSHA PEL (TWA) [1] 6 mg/m³ USA OSHA OSHA PEL (TWA) [2] 2 ppm USA OSHA OSHA PEL (TWA) [2] 2 ppm USA OSHA OSHA PEL (TWA) [2] 2 ppm USA ACGIH ACGIH OEL TWA [ppm] 20 ppm USA NIOSH NIOSH REL (Ceiling) 3.6 mg/m³ USA NIOSH NIOSH REL C [ppm] 1 ppm USA NIOSH DILH IDLH [ppm] 500 ppm USA OSHA OSHA PEL (TWA) [1] 360 mg/m³ USA OSHA OSHA PEL (TWA) [1] 360 mg/m³ USA OSHA Limit value category (OSHA) prevent or reduce skin absorption Ethylene oxide (75-21-8) USA ACGIH ACGIH OEL TWA [ppm] 1 ppm 1 ppm USA ACGIH ACGIH Chemical category Suspected Human Carcinogen USA RUSH NIOSH REL (TWA) O.18 mg/m³ (less than stated value) USA NIOSH NIOSH REL (TWA) O.19 mg/m³ (less than stated value) USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL (Ceiling) 5 ppm USA NIOSH NIOSH REL (Ceiling) USA NIOSH NIOSH REL (Ceiling) 5 ppm USA NIOSH NIOSH REL (Ceiling) USA NIOSH NIOSH REL (Ceiling) USA NIOSH NIOSH REL (Ceiling) USA NIOSH NIOSH RE			· · · · · · · · · · · · · · · · · ·
USA NIOSH NIOSH REL TWA [ppm] 50 ppm	USA NIOSH	NIOSH REL (TWA)	•
USA IDLH IDLH [ppm] 50 ppm	USA NIOSH		
USA OSHA PEL (TWA) [1] 6 mg/m³ USA OSHA OSHA PEL (TWA) [2] 2 ppm 1,4-Dioxane (123-91-1) USA ACGIH ACGIH OEL TWA [ppm] 20 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 NIOSH NIOSH REL (Ceiling) 3.6 mg/m³ USA NIOSH NIOSH REL (Eppm] 1 ppm USA OSHA DEL (TWA) [1] 360 mg/m³ USA OSHA OSHA PEL (TWA) [2] 100 ppm USA OSHA OSHA PEL (TWA) [2] 100 ppm USA OSHA Limit value category (OSHA) prevent or reduce skin absorption Ethylene oxide (75-21-8) USA ACGIH ACGIH OEL TWA [ppm] 1 ppm USA ACGIH ACGIH Chemical category Suspected Human Carcinogen USA ACGIH ACGIH Chemical category Suspected Human Carcinogen USA ACGIH ACGIH Chemical category Suspected Human Carcinogen USA ACGIH NOSH REL (TWA) 0.18 mg/m³ (less than stated value) USA NIOSH NIOSH REL (TWA) 0.19 pm/m³ USA NIOSH NIOSH REL (TWA) 0.19 pm/m³ (less than stated value) USA NIOSH NIOSH REL (Ceiling) 9 mg/m³	USA IDLH	IDLH [ppm]	
USA OSHA OSHA PEL (TWA) [2] 2 ppm	USA OSHA		···
1,4-Dioxane (123-91-1) USA ACGIH ACGIH OEL TWA [ppm] 20 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 NIOSH NIOSH REL (Ceiling) 3.6 mg/m³ USA NIOSH NIOSH REL C [ppm] 1 ppm USA IDLH IDLH [ppm] 500 ppm USA OSHA OSHA PEL (TWA) [1] 360 mg/m³ USA OSHA OSHA PEL (TWA) [2] 100 ppm USA OSHA Limit value category (OSHA) prevent or reduce skin absorption Ethylene oxide (75-21-8) USA ACGIH ACGIH OEL TWA [ppm] 1 ppm USA ACGIH ACGIH Chemical category Suspected Human Carcinogen USA ACGIH ACGIH Chemical category 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) USA NIOSH NIOSH REL (TWA) 0.18 mg/m³ (less than stated value) USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL (Ceiling) 5 ppm	USA OSHA		
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USA ACGIH ACGIH chemical category Confirmed Animal Carcinogen with Unknown Relevance to Humans, Skin - potential significant contribution to overall exposure by the cutaneous route 3.6 mg/m³ USA NIOSH NIOSH REL (Ceiling) 1 ppm 1 ppm USA OSHA OSHA PEL (TWA) [1] USA OSHA OSHA PEL (TWA) [2] USA OSHA Limit value category (OSHA) Ethylene oxide (75-21-8) USA ACGIH ACGIH ACGIH CHEMical category USA ACGIH ACGIH ACGIH CHEMical category Suspected Human Carcinogen USA ACGIH BEI (BLV) Parameter: N-(2-Hydroxyethyl)waline (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) USA NIOSH NIOSH REL (TWA) O.18 mg/m³ (less than stated value) USA NIOSH NIOSH REL TWA [ppm] O.1 ppm (less than stated value) USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL C [ppm]			20 ppm
Humans,Skin - potential significant contribution to overall exposure by the cutaneous route USA NIOSH NIOSH REL (Ceiling) USA NIOSH NIOSH REL C [ppm] USA IDLH IDLH [ppm] USA OSHA OSHA PEL (TWA) [1] USA OSHA OSHA PEL (TWA) [2] USA OSHA Limit value category (OSHA) Ethylene oxide (75-21-8) USA ACGIH ACGIH OEL TWA [ppm] USA ACGIH ACGIH chemical category USA ACGIH ACGIH chemical category USA ACGIH 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) USA NIOSH NIOSH REL (TWA) USA NIOSH NIOSH REL TWA [ppm] USA NIOSH NIOSH REL (Ceiling)			• • • • • • • • • • • • • • • • • • • •
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USA NIOSH NIOSH REL C [ppm] 1 ppm USA IDLH IDLH [ppm] 500 ppm USA OSHA OSHA OSHA PEL (TWA) [1] 360 mg/m³ USA OSHA OSHA Limit value category (OSHA) prevent or reduce skin absorption Ethylene oxide (75-21-8) USA ACGIH ACGIH OEL TWA [ppm] 1 ppm USA ACGIH ACGIH Chemical category Suspected Human Carcinogen USA ACGIH 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) USA NIOSH NIOSH REL (TWA) 0.18 mg/m³ (less than stated value) USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL C [ppm] 5 ppm			
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USA OSHA OSHA PEL (TWA) [1] 360 mg/m³ USA OSHA OSHA Limit value category (OSHA) prevent or reduce skin absorption Ethylene oxide (75-21-8) USA ACGIH ACGIH OEL TWA [ppm] 1 ppm USA ACGIH ACGIH chemical category Suspected Human Carcinogen USA ACGIH 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) USA NIOSH NIOSH REL (TWA) 0.18 mg/m³ (less than stated value) USA NIOSH NIOSH REL TWA [ppm] 0.1 ppm (less than stated value) USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL C [ppm] 5 ppm	USA NIOSH	NIOSH REL C [ppm]	1 ppm
USA OSHA OSHA PEL (TWA) [2] 100 ppm USA OSHA Limit value category (OSHA) prevent or reduce skin absorption Ethylene oxide (75-21-8) USA ACGIH ACGIH OEL TWA [ppm] 1 ppm USA ACGIH ACGIH chemical category Suspected Human Carcinogen USA ACGIH 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) USA NIOSH NIOSH REL (TWA) 0.18 mg/m³ (less than stated value) USA NIOSH NIOSH REL TWA [ppm] 0.1 ppm (less than stated value) USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL C [ppm] 5 ppm	USA IDLH	IDLH [ppm]	500 ppm
USA OSHA Limit value category (OSHA) prevent or reduce skin absorption Ethylene oxide (75-21-8) USA ACGIH ACGIH OEL TWA [ppm] 1 ppm USA ACGIH ACGIH Chemical category Suspected Human Carcinogen USA ACGIH 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) USA NIOSH NIOSH REL (TWA) 0.18 mg/m³ (less than stated value) USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL C [ppm] 5 ppm	USA OSHA	OSHA PEL (TWA) [1]	360 mg/m³
Ethylene oxide (75-21-8) USA ACGIH ACGIH OEL TWA [ppm] 1 ppm USA ACGIH ACGIH chemical category Suspected Human Carcinogen USA ACGIH 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) USA NIOSH NIOSH REL (TWA) 0.18 mg/m³ (less than stated value) USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL (Ceiling) 5 ppm	USA OSHA	OSHA PEL (TWA) [2]	100 ppm
USA ACGIH ACGIH OEL TWA [ppm] 1 ppm USA ACGIH ACGIH chemical category Suspected Human Carcinogen USA ACGIH 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) USA NIOSH NIOSH REL (TWA) 0.18 mg/m³ (less than stated value) USA NIOSH NIOSH REL TWA [ppm] 0.1 ppm (less than stated value) USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL C [ppm] 5 ppm	USA OSHA	Limit value category (OSHA)	prevent or reduce skin absorption
USA ACGIH ACGIH chemical category Suspected Human Carcinogen USA ACGIH 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) USA NIOSH NIOSH REL (TWA) 0.18 mg/m³ (less than stated value) USA NIOSH NIOSH REL TWA [ppm] 0.1 ppm (less than stated value) USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL C [ppm] 5 ppm	Ethylene oxid	le (75-21-8)	
USA ACGIH 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) USA NIOSH NIOSH REL (TWA) 0.18 mg/m³ (less than stated value) USA NIOSH NIOSH REL TWA [ppm] 0.1 ppm (less than stated value) USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL C [ppm] 5 ppm	USA ACGIH	ACGIH OEL TWA [ppm]	1 ppm
Medium: blood - Sampling time: not critical (nonspecific) Parameter: S-(2-Hydroxyethyl)mercapturic acid (HEMA) - Medium: urine - Sampling time: end of shift (nonspecific, population based) USA NIOSH NIOSH REL (TWA) 0.18 mg/m³ (less than stated value) USA NIOSH NIOSH REL TWA [ppm] 0.1 ppm (less than stated value) USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL C [ppm] 5 ppm	USA ACGIH	ACGIH chemical category	Suspected Human Carcinogen
Parameter: S-(2-Hydroxyethyl)mercapturic acid (HEMA) - Medium: urine - Sampling time: end of shift (nonspecific, population based) USA NIOSH NIOSH REL (TWA) 0.18 mg/m³ (less than stated value) USA NIOSH NIOSH REL TWA [ppm] 0.1 ppm (less than stated value) USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL C [ppm] 5 ppm	USA ACGIH	BEI (BLV)	Parameter: N-(2-Hydroxyethyl)valine (HEV) hemoglobin adducts -
USA NIOSH NIOSH REL (TWA) 0.18 mg/m³ (less than stated value) USA NIOSH NIOSH REL TWA [ppm] 0.1 ppm (less than stated value) USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL C [ppm] 5 ppm			
USA NIOSH NIOSH REL (TWA) 0.18 mg/m³ (less than stated value) USA NIOSH NIOSH REL TWA [ppm] 0.1 ppm (less than stated value) USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL C [ppm] 5 ppm			
USA NIOSH NIOSH REL TWA [ppm] 0.1 ppm (less than stated value) USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL C [ppm] 5 ppm			
USA NIOSH NIOSH REL (Ceiling) 9 mg/m³ USA NIOSH NIOSH REL C [ppm] 5 ppm			
USA NIOSH NIOSH REL C [ppm] 5 ppm			, , ,
		,	<u> </u>
USA IDLH IDLH [ppm] 800 ppm			
USA OSHA OSHA PEL (TWA) [2] 1 ppm			
USA OSHA OSHA PEL (STEL) [2] 5 ppm (see 29 CFR 1910.1047)		, , , , , ,	
USA OSHA OSHA Action Level/Excursion Limit 0.5 ppm (Action Level, see 29 CFR 1910.1047)	USA OSHA	OSHA Action Level/Excursion Limit	
5 ppm (Excursion Limit, see 29 CFR 1910.1047)			5 ppm (Excursion Limit, see 29 CFR 1910.1047)
Octamethylcyclotetrasiloxane (556-67-2)			
USA AIHA WEEL TWA [ppm] 10 ppm	USA AIHA	WEEL TWA [ppm]	10 ppm

08/10/2021 6/17 EN (English US)

Safety Data Sheet

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

Propylene gly	Propylene glycol monomethyl ether acetate (108-65-6)		
USA AIHA	WEEL TWA [ppm]	50 ppm	
Sodium hydr	oxide (1310-73-2)		
USA ACGIH	ACGIH OEL Ceiling	2 mg/m³	
USA NIOSH	NIOSH REL (Ceiling)	2 mg/m³	
USA IDLH	IDLH	10 mg/m³	
USA OSHA	OSHA PEL (TWA) [1]	2 mg/m³	
Ammonia (76	564-41-7)		
USA ACGIH	ACGIH OEL TWA [ppm]	25 ppm	
USA ACGIH	ACGIH OEL STEL [ppm]	35 ppm	
USA NIOSH	NIOSH REL (TWA)	18 mg/m³	
USA NIOSH	NIOSH REL TWA [ppm]	25 ppm	
USA NIOSH	NIOSH REL (STEL)	27 mg/m³	
USA NIOSH	NIOSH REL STEL [ppm]	35 ppm	
USA IDLH	IDLH [ppm]	300 ppm	
USA OSHA	OSHA PEL (TWA) [1]	35 mg/m ³	
USA OSHA	OSHA PEL (TWA) [2]	50 ppm	
Benzyl alcoho	Benzyl alcohol (100-51-6)		
USA AIHA	WEEL 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.

Personal Protective Equipment

: Gloves. Protective clothing. Protective goggles.







Materials for Protective Clothing

Hand Protection

Eye and Face Protection

Skin and Body Protection

Respiratory Protection

Other Information

: Chemically resistant materials and fabrics.

- : Wear protective gloves.
- : Chemical safety goggles.
- : Wear suitable protective clothing.
- : 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.

: 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 opaque liquid

Odor : Leather

Odor Threshold : No data available

pH : 5

Evaporation Rate: No data availableMelting Point: No data availableFreezing Point: No data availableBoiling Point: No data available

Flash Point : > 200 °F (Closed Cup) (93.33 °C)

Auto-ignition Temperature: No data availableDecomposition Temperature: No data availableFlammability (solid, gas): Not applicableVapor Pressure: No data available

08/10/2021 EN (English US) 7/17

Safety Data Sheet

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

Relative Vapor Density at 20°C: No data availableRelative Density: No data available

Specific Gravity : 0.995

Solubility: No data availablePartition Coefficient: N-Octanol/Water: No data availableViscosity: No data available

Viscosity, Dynamic : < 75 cP

9.2. Other Information

VOC content (California) : 0 % % NVM by Weight : 19 %

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 (CO, CO₂). Silicon oxides. Formaldehyde.

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

Cyclohexane (110-82-7)	
LD50 Oral Rat	12705 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat	> 9500 ppm/4h
Ethyl acetate (141-78-6)	
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
Acrylic acid (79-10-7)	
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
Dimethoxane (828-00-2)	
LD50 Oral Rat	1930 mg/kg
Acetic acid (64-19-7)	
LD50 Oral Rat	3310 mg/kg
Acetaldehyde (75-07-0)	
LD50 Oral Rat	660 mg/kg
LD50 Dermal Rabbit	3540 mg/kg
LC50 Inhalation Rat	13000 ppm/4h
Vinyl acetate (108-05-4)	
LD50 Oral Rat	2900 mg/kg
LD50 Dermal Rabbit	2335 mg/kg
LC50 Inhalation Rat	11.4 mg/l/4h
LC50 Inhalation Rat	3680 ppm/4h
ATE (Dust/Mist)	1.50 mg/l/4h

08/10/2021 EN (English US) 8/17

Safety Data Sheet

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

Crotonaldehyde (4170-30-3)	
LD50 Oral Rat	220 mg/kg
LD50 Dermal Rabbit	128 mg/kg
LC50 Inhalation Rat	88 ppm/4h
ATE (Dust/Mist)	0.05 mg/l/4h
Alcohols, C10-16, ethoxylated (68002-97-1)	
ATE (Oral)	500.00 mg/kg body weight
1,4-Dioxane (123-91-1)	
LD50 Oral Rat	5170 mg/kg
LD50 Dermal Rabbit	7600 mg/kg
LC50 Inhalation Rat	46 mg/l (Exposure time: 2 h)
LC50 Inhalation Rat	32.5 mg/l/4h
Ethylene oxide (75-21-8)	
LD50 Oral Rat	72 mg/kg
LC50 Inhalation Rat	800 ppm/4h
Octamethylcyclotetrasiloxane (556-67-2)	
LD50 Oral Rat	> 4800 mg/kg (No mortality)
LD50 Dermal Rat	> 2375 mg/kg
LD50 Dermal Rabbit	> 2.5 ml/kg (No mortality)
LC50 Inhalation Rat	36 g/m³ (Exposure time: 4 h)
Propylene glycol monomethyl ether acetate (108-	-65-6)
LD50 Oral Rat	8532 mg/kg
LD50 Dermal Rabbit	> 5 g/kg
LC50 Inhalation Rat	16000 mg/m³ (Exposure time: 6 h)
Sodium hydroxide (1310-73-2)	
LD50 Oral Rat	325 mg/kg
Ammonia (7664-41-7)	
LD50 Oral Rat	350 mg/kg
LC50 Inhalation Rat	5.1 mg/l (Exposure time: 1 h)
LC50 Inhalation Rat	2000 ppm/4h (Exposure time: 4 h)
Benzyl alcohol (100-51-6)	
LD50 Oral Rat	1230 mg/kg
LD50 Dermal Rabbit	> 2000 mg/kg
LC50 Inhalation Rat	> 4.178 mg/l/4h
ATE (Dust/Mist)	1.50 mg/l/4h

Skin Corrosion/Irritation: Not classified

pH: 5

Serious Eye Damage/Irritation: Causes serious eye irritation.

pH: 5

Respiratory or Skin Sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity: Not classified **Carcinogenicity:** Not classified

Acrylic acid (79-10-7)	
IARC group	3
Dimethoxane (828-00-2)	
IARC group	3
Acetaldehyde (75-07-0)	
IARC group	1, 2B
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
Vinyl acetate (108-05-4)	
IARC group	2B

08/10/2021 EN (English US) 9/17

Safety Data Sheet

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

OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
Crotonaldehyde (4170-30-3)	
IARC group	2B
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
1,4-Dioxane (123-91-1)	
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.
Ethylene oxide (75-21-8)	
IARC group	1
National Toxicology Program (NTP) Status	Known Human Carcinogens.
OSHA Hazard Communication Carcinogen List	In OSHA Hazard Communication Carcinogen list.
OSHA Specifically Regulated Carcinogen List	In OSHA Specifically Regulated Carcinogen list.

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:** May cause an allergic skin reaction.

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:** None expected under normal conditions of use.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecology - General : Not classified.

Cyclohexane (110-82-7)	
LC50 Fish 1	3.96 – 5.18 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-
	through])
EC50 - Crustacea [1]	0.9 mg/l
LC50 Fish 2	23.03 – 42.07 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
NOEC Chronic Algae	0.94 mg/l
Ethyl acetate (141-78-6)	
LC50 Fish 1	220 – 250 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
EC50 - Crustacea [1]	560 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 Fish 2	484 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
Acrylic acid (79-10-7)	
LC50 Fish 1	222 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])
EC50 - Crustacea [1]	95 mg/l (Exposure time: 48 h - Species: Daphnia magna)
ErC50 (Algae)	0.13 mg/l
NOEC Chronic Algae	0.016 mg/l
Acetic acid (64-19-7)	
LC50 Fish 1	79 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	65 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 Fish 2	75 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
Acetaldehyde (75-07-0)	
LC50 Fish 1	28 (28 – 34) mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-
	through])
EC50 - Crustacea [1]	3.64 (3.64 – 6.15) mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 Fish 2	53 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 - Crustacea [2]	48.3 mg/l (Exposure time: 48 h - Species: Daphnia magna)
NOEC Chronic Algae	1.9 mg/l
Vinyl acetate (108-05-4)	

08/10/2021 EN (English US) 10/17

Safety Data Sheet

BCF Fish 1

Acrylic acid (79-10-7)

Acetic acid (64-19-7)

Acetaldehyde (75-07-0)

Pow)

Pow)

Pow)

Partition coefficient n-octanol/water (Log

Partition coefficient n-octanol/water (Log

Partition coefficient n-octanol/water (Log

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

LC50 Fish 1	14 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
LC50 Fish 2	15.04 (15.04 – 21.54) mg/l (Exposure time: 96 h - Species: Lepomis macrochirus
	[static])
Crotonaldehyde (4170-30-3)	
LC50 Fish 1	0.65 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])
EC50 - Crustacea [1]	2 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	0.84 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
1,4-Dioxane (123-91-1)	
LC50 Fish 1	10000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 - Crustacea [1]	163 mg/l (Exposure time: 48 h - Species: water flea [Static])
LC50 Fish 2	10000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [semi-static])
Ethylene oxide (75-21-8)	
LC50 Fish 1	73 – 96 mg/l (Exposure time: 96 h - Species: Pimephales promelas)
EC50 - Crustacea [1]	137 – 300 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Octamethylcyclotetrasiloxane (556-67-2)	
LC50 Fish 1	> 500 mg/l (Exposure time: 96 h - Species: Brachydanio rerio)
LC50 Fish 2	> 1000 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
Propylene glycol monomethyl ether aceta	te (108-65-6)
LC50 Fish 1	161 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	> 500 mg/l (Exposure time: 48 h - Species: Daphnia magna)
Sodium hydroxide (1310-73-2)	5, ()
LC50 Fish 1	45.4 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [static])
EC50 - Crustacea [1]	40 mg/l
Ammonia (7664-41-7)	5
LC50 Fish 1	0.083 mg/l
EC50 - Crustacea [1]	25.4 mg/l (Exposure time: 48 h - Species: Daphnia magna)
LC50 Fish 2	0.26 – 4.6 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus)
Benzyl alcohol (100-51-6)	37 (1 1 1 7
LC50 Fish 1	460 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 - Crustacea [1]	23 mg/l (Exposure time: 48 h - Species: water flea)
LC50 Fish 2	10 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
ErC50 (Algae)	770 mg/l
12.2. Persistence and Degradability	-
Wet N Black Tire Shine	
Persistence and Degradability	Not established.
12.3. Bioaccumulative Potential	1.000.000000000000000000000000000000000
Wet N Black Tire Shine	
Bioaccumulative Potential	Not established.
	ויטו באנשטוואוופע.
Cyclohexane (110-82-7)	2.44
Partition coefficient n-octanol/water (Log	3.44
Pow)	
Ethyl acetate (141-78-6)	20

08/10/2021 EN (English US) 11/17

0.38 - 0.46 (at 25 °C)

-0.31 (at 20 °C)

30

0.6

Safety Data Sheet

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

Partition coefficient n-octanol/water (Log Pow)	0.5	
Vinyl acetate (108-05-4)		
Partition coefficient n-octanol/water (Log Pow)	0.73	
1,4-Dioxane (123-91-1)		
BCF Fish 1	0.2 – 0.7	
Partition coefficient n-octanol/water (Log Pow)	-0.42	
Ethylene oxide (75-21-8)		
Partition coefficient n-octanol/water (Log	-0.3 (at 25 °C)	
Pow)		
Octamethylcyclotetrasiloxane (556-67-2)		
BCF Fish 1	12400	
Partition coefficient n-octanol/water (Log Pow)	5.1	
Propylene glycol monomethyl ether acetate (108-65-6)		
Partition coefficient n-octanol/water (Log Pow)	0.43	
Benzyl alcohol (100-51-6)		
Partition coefficient n-octanol/water (Log Pow)	1.1	

- **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.

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.

Wet N Black Tire Shine	
SARA Section 311/312 Hazard Classes	Health hazard - Respiratory or skin sensitization
	Health hazard - Serious eye damage or eye irritation
Cyclohexane (110-82-7)	
Subject to reporting requirements of United State	es SARA Section 313
CERCLA RQ	1000 lb
SARA Section 313 - Emission Reporting	1%
Ethyl acetate (141-78-6)	
CERCLA RQ	5000 lb
Acrylic acid (79-10-7)	

08/10/2021 EN (English US) 12/17

Safety Data Sheet
According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations US GHS SDS

US GHS SDS		
Subject to reporting requirements of United States SARA	Section 313	
CERCLA RQ	5000 lb	
SARA Section 313 - Emission Reporting	1%	
Acetic acid (64-19-7)		
CERCLA RQ	5000 lb	
Acetaldehyde (75-07-0)	1	
Subject to reporting requirements of United States SARA	Section 313	
CERCLA RQ	1000 lb	
SARA Section 313 - Emission Reporting	0.1 %	
Vinyl acetate (108-05-4)	0.170	
Listed on the United States SARA Section 302		
Subject to reporting requirements of United States SARA	Saction 212	
CERCLA RQ	5000 lb	
SARA Section 302 Threshold Planning Quantity (TPQ)	1000 lb	
	0.1 %	
SARA Section 313 - Emission Reporting	U.1 /0	
Crotonaldehyde (4170-30-3)		
Listed on the United States SARA Section 302	C 11 242	
Subject to reporting requirements of United States SARA		
CERCLA RQ	100 lb	
SARA Section 302 Threshold Planning Quantity (TPQ)	1000 lb	
SARA Section 313 - Emission Reporting	1%	
Alcohols, C10-16, ethoxylated (68002-97-1)		
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the	
	Chemical Data Reporting Rule, (40 CFR 711).	
1,4-Dioxane (123-91-1)		
Subject to reporting requirements of United States SARA	Section 313	
CERCLA RQ	100 lb	
SARA Section 313 - Emission Reporting	0.1 %	
Ethylene oxide (75-21-8)		
Listed on the United States SARA Section 302		
Subject to reporting requirements of United States SARA	Section 313	
CERCLA RQ	10 lb	
SARA Section 302 Threshold Planning Quantity (TPQ)	1000 lb	
SARA Section 313 - Emission Reporting	0.1 %	
Octamethylcyclotetrasiloxane (556-67-2)		
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a final TSCA section 4	
30. 1.1. 7 . 10	test rule.	
Propylene glycol monomethyl ether acetate (108-65-6)		
EPA TSCA Regulatory Flag	PMN - PMN - indicates a commenced PMN substance.	
	Tivite Tivite indicates a commenced Fivile substance.	
Sodium hydroxide (1310-73-2)	1000 lb	
CERCLA RQ	1000 lb	
Ammonia (7664-41-7)		
Listed on the United States SARA Section 302	C 11 040	
Subject to reporting requirements of United States SARA		
CERCLA RQ	100 lb	
SARA Section 302 Threshold Planning Quantity (TPQ)	1 FOO II-	
	500 lb	
SARA Section 313 - Emission Reporting	1 % (includes anhydrous Ammonia and aqueous Ammonia from water	

15.2. **US State Regulations**

Cyclohexane (110-82-7)	
U.S New Jersey - Right to Know Hazardous Substance List	

08/10/2021 13/17 EN (English US)

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations LIS GHS SDS

- 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

Ethyl acetate (141-78-6)

- 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

Acrylic acid (79-10-7)

- 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

Acetic acid (64-19-7)

- 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

Acetaldehyde (75-07-0)

- 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

Vinyl acetate (108-05-4)

- 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

Crotonaldehyde (4170-30-3)

- 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

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

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

Sodium hydroxide (1310-73-2)

- 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

Ammonia (7664-41-7)

- 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

08/10/2021 EN (English US) 14/17

Safety Data Sheet

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

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

Benzyl alcohol (100-51-6)

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

California Proposition 65

<u>^</u>

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.

Chemical Name (CAS No.)	Carcinogenicity	Developmental Toxicity	Female Reproductive Toxicity	Male Reproductive Toxicity
Acetaldehyde (75-07-0)	X			
1,4-Dioxane (123-91-1)	Х			
Ethylene oxide (75-21-8)	Х	X	X	Х

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

Date of Preparation or Latest Revision : 08/10/2021 Formula Identification Number : 40410

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:

ruli Text Fillases.	
Acute Tox. 2 (Dermal)	Acute toxicity (dermal) Category 2
Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) 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 (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
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
Aquatic Chronic 4	Hazardous to the aquatic environment - Chronic Hazard Category 4
Asp. Tox. 1	Aspiration hazard Category 1
Carc. 1A	Carcinogenicity Category 1A
Carc. 1B	Carcinogenicity Category 1B
Carc. 2	Carcinogenicity Category 2
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
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. Gas 2	Flammable gases Category 2
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

08/10/2021 EN (English US) 15/17

Safety Data Sheet
According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations US GHS SDS

DS Coo (Comp.)	Canada washing Communication and
Press. Gas (Comp.)	Gases under pressure Compressed gas
Repr. 2	Reproductive toxicity Category 2
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
Skin Sens. 1A	Skin sensitization, category 1A
STOT RE 1	Specific target organ toxicity (repeated exposure) Category 1
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
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
H221	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
H310	Fatal in contact with skin
H311	Toxic 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
H330	Fatal if inhaled
H331	Toxic if inhaled
H332	Harmful if inhaled
H335	May cause respiratory irritation
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
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
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 Toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
H413	May cause long lasting harmful effects to aquatic life

08/10/2021 EN (English US) 16/17

Safety Data Sheet

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

NFPA Health Hazard : 1 - Materials that, under emergency conditions, can

cause significant irritation.

NFPA Fire Hazard : 1 - Materials that must be preheated before

ignition can occur.

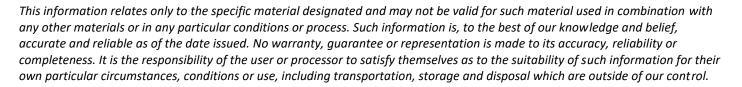
NFPA Reactivity Hazard : 0 - Material that in themselves are normally stable,

even under fire conditions.

HMIS III Rating

Health: 1 Slight HazardFlammability: 1 Slight HazardPhysical: 0 Minimal Hazard

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SDS US (GHS HazCom)



08/10/2021 EN (English US) 17/17