

Version: 1.0 Revision Date: 07/03/2019

SAFETY DATA SHEET

1. Identification

Product identifier: Terand Industrial Foam Degreaser 2

Other means of identification SDS number: RE1000009118

Recommended restrictions

Product Use: Cleaner Restrictions on use: Not known.

Manufacturer/Importer/Distributor Information

Manufacturer

Company Name:	CPC
Address:	1000 INTEGRAM DRIVE
	PACIFIC, MO 63069
Telephone:	1-800-327-1835
Fax:	

Emergency telephone number: 1-866-836-8855

2. Hazard(s) identification

Hazard Classification

Physical H	lazards
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Flammable aerosol	Category 1
Health Hazards	
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2A
Skin sensitizer	Category 1

Environmental Hazards

Acute hazards to the aquatic Category 3 environment

Label Elements

Hazard Symbol:



Signal Word:

Danger



Hazard Statement:	Extremely flammable aerosol. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. Harmful to aquatic life.
Precautionary Statements	
Prevention:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment.
Response:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water/ If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see on this label). Wash contaminated clothing before reuse.
Storage:	Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Hazard(s) not otherwise classified (HNOC):	None.

3. Composition/information on ingredients

Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Butane	106-97-8	5 - <10%
Distillates (petroleum), hydrotreated light	64742-47-8	1 - <2.5%
Poly(oxy-1,2-ethanediyl), α-(4- nonylphenyl)-ω-hydroxy-, branched	127087-87-0	1 - <5%
Propane	74-98-6	1 - <5%
Silicic acid (H2SiO3), sodium salt (1:2)	6834-92-0	1 - <3%
2-Propanol	67-63-0	1 - <5%
Cyclohexene, 1-methyl-4-(1- methylethenyl)-, (4R)-	5989-27-5	0.1 - <1%
Ethanol, 2-butoxy-	111-76-2	0.1 - <1%
Morpholine	110-91-8	0.1 - <1%



1,2-Ethanediol	107-21-1	0 - <0.1%			
Ethanol, 2-ethoxy-	110-80-5	0 - <0.1%			
Sodium hydroxide (Na(OH))	1310-73-2	0 - <0.1%			
Benzene, dimethyl-	1330-20-7	0 - <0.1%			
Ethylene Oxide	75-21-8	0 - <0.1%			
1,4-Dioxane	123-91-1	0 - <0.1%			
Acetic acid	64-19-7	0 - <0.1%			
Ethanol, 2-methoxy-	109-86-4	0 - <0.1%			
1,2-Ethanediamine	107-15-3	0 - <0.1%			
Benzene	71-43-2	0 - <0.1%			
* All concentrations are percent	by weight unless	ingredient is a gas. Gas concentrations are in percent by volume.			
4. First-aid measures					
Ingestion:	Call a PO	ISON CENTER/doctor if you feel unwell. Rinse mouth.			
Inhalation:	Move to fr	resh air.			
Skin Contact:	Immediate soap and	Get medical attention. Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention.			
Eye contact:		Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.			
Most important symptoms/eff	ects, acute an	d delayed			
Symptoms:	No data a	No data available.			
Hazards:	No data a	No data available.			
Indication of immediate medic	al attention a	nd special treatment needed			
Treatment:	No data a	vailable.			
5. Fire-fighting measures					
General Fire Hazards:		r spray to keep fire-exposed containers cool. Fight fire from a location. Move containers from fire area if you can do so without			
Suitable (and unsuitable) extin	nguishing mea	dia			
Suitable extinguishing media:	Use fire-e	Use fire-extinguishing media appropriate for surrounding materials.			
Unsuitable extinguishing media:	Do not us	Do not use water jet as an extinguisher, as this will spread the fire.			
Specific hazards arising from the chemical:	Vapors ma back.	Vapors may travel considerable distance to a source of ignition and flash back.			
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Special protective equipment and precautions for firefighters				
Special fire fighting procedures:	No data available.			
Special protective equipment for fire-fighters:	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.			
6. Accidental release measure	S			
Personal precautions, protective equipment and emergency procedures:	Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away.			
Methods and material for containment and cleaning up:	Absorb spill with vermiculite or other inert material, then place in a container for chemical waste.			
Notification Procedures:	Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Stop leak if you can do so without risk.			
Environmental Precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer.			
7. Handling and storage				
Precautions for safe handling:	Avoid contact with eyes. Wash hands thoroughly after handling. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid contact with skin. Avoid contact with eyes, skin, and clothing.			
Conditions for safe storage, including any incompatibilities:	Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Aerosol Level 1			

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Туре	Exposure Limit Values	Source
Butane	REL	800 ppm 1,900 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	800 ppm 1,900 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	1,000 ppm	US. ACGIH Threshold Limit Values (03 2018)
	TWA	800 ppm 1,900 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	AN ESL	3,000 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11



				2016)
	AN ESL		7,100 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	TWA PEL	800 ppm	1,900 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	ST ESL		66,000 μg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		28,000 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
Distillates (petroleum), hydrotreated light - Non- aerosol as total hydrocarbon vapor	TWA		200 mg/m3	US. ACGIH Threshold Limit Values (2008)
Distillates (petroleum), hydrotreated light	REL		100 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
Distillates (petroleum), hydrotreated light - Non- aerosol as total hydrocarbon vapor	TWA		200 mg/m3	US. ACGIH Threshold Limit Values (2008)
Distillates (petroleum), hydrotreated light	ST ESL		3,500 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL		350 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
Propane	REL	1,000 ppm	1,800 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL		1,800 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA PEL	1,000 ppm	1,800 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	TWA		1,800 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	TWA	1,000 ppm	1,800 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
2-Propanol	REL	400 ppm	980 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	STEL	400 ppm		US. ACGIH Threshold Limit Values (2008)
	STEL		1,225 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL		1,225 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	TWA	400 ppm	980 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	PEL TWA	400 ppm	980 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) US. OSHA Table Z-1-A (29 CFR 1910.1000)
		400 ppm	980 mg/m3	(1989)
	STEL	500 ppm	1,225 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	AN ESL		200 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		2,000 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	STEL	500 ppm	1,225 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	200 ppm		US. ACGIH Threshold Limit Values (2008)
	TWA PEL	400 ppm	980 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)



	AN ESL		492 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		4,920 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
Ethanol, 2-butoxy-	TWA	20 ppm		US. ACGIH Threshold Limit Values (2008)
	TWA	25 ppm	120 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	REL	5 ppm	24 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	50 ppm	240 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA PEL	20 ppm	97 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	TWA	25 ppm	120 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	AN ESL		760 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL		3,700 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		2,900 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		600 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
Morpholine	REL	20 ppm	70 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	20 ppm		US. ACGIH Threshold Limit Values (2008)
	ST ESL		36 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	PEL	20 ppm	70 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA PEL	20 ppm	70 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	STEL	30 ppm	105 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	AN ESL		11 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		10 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	TWA	20 ppm	70 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	30 ppm	105 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	30 ppm	105 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	30 ppm	105 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	AN ESL		40 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	TWA	20 ppm	70 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
1,2-Ethanediol - Vapor.	Ceiling	40 ppm	100 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
1,2-Ethanediol	Ceiling	50 ppm	125 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	Ceiling	50 ppm	125 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000)



				(1989)
1,2-Ethanediol - Vapor fraction	TWA	25 ppm		US. ACGIH Threshold Limit Values (03 2017)
	STEL	50 ppm		US. ACGIH Threshold Limit Values (03 2017)
1,2-Ethanediol	AN ESL		4.5 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
1,2-Ethanediol - Aerosol, inhalable.	STEL		10 mg/m3	US. ACGIH Threshold Limit Values (03 2017)
1,2-Ethanediol	AN ESL		1.8 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		180 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		450 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
Ethanol, 2-ethoxy-	TWA	5 ppm		US. ACGIH Threshold Limit Values (2008)
	TWA PEL	5 ppm	18 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	REL	0.5 ppm	1.8 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	200 ppm	740 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	200 ppm	740 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	200 ppm	740 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	ST ESL		180 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL		5 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL		18 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		50 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
Sodium hydroxide (Na(OH))	Ceiling		2 mg/m3	US. ACGIH Threshold Limit Values (2008)
	Ceiling		2 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	Ceil_Time		2 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL		2 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	Ceiling		2 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008) US. California Code of Regulations, Title 8,
	Ceiling		2 mg/m3	Section 5155. Airborne Contaminants (09 2006)
Sodium hydroxide (Na(OH)) - Particulate.	AN ESL		2 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		20 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
Benzene, dimethyl-	STEL	150 ppm	655 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	150 ppm	655 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	TWA PEL	100 ppm	435 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	TWA	100 ppm	435 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000)



				(1989)
	TWA	100 ppm		US. ACGIH Threshold Limit Values (2008)
	Ceiling	300 ppm		US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	TWA	100 ppm	435 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	150 ppm	655 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	REL	100 ppm	435 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2016)
	ST ESL		510 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	PEL	100 ppm	435 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	STEL	150 ppm		US. ACGIH Threshold Limit Values (2008)
	AN ESL		41 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		2,200 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	STEL	150 ppm	655 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2016)
	AN ESL		180 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
Ethylene Oxide	Ceil_Time	5 ppm	9 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	1 ppm		US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) (02 2006)
	STEL	5 ppm		US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) (02 2006)
	OSHA_AC T	0.5 ppm		US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) (02 2006)
	STEL	5 ppm		US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	AN ESL		2 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	REL	0.1 ppm	0.18 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	1 ppm		US. ACGIH Threshold Limit Values (2008)
	TWA A LV	0.5 ppm		US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	TWA PEL	1 ppm	2 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	ST ESL		10 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	TWA	1 ppm		US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	5 ppm		US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	ST ESL		20 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL		1 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
1,4-Dioxane	TWA	25 ppm	90 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	AN ESL		20 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11



				2016)
	ST ESL		200 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		720 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11
	AN ESL		72 µg/m3	2016) US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11
	TWA	25 ppm	90 mg/m3	2016) US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	Ceil_Time	1 ppm	3.6 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	20 ppm		US. ACGIH Threshold Limit Values (2008)
	PEL	100 ppm	360 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA PEL	0.28 ppm	1.0 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (02 2012)
Acetic acid	STEL	15 ppm	37 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	10 ppm	25 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	Ceiling	40 ppm		US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	STEL	15 ppm	37 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	AN ESL		10 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	TWA	10 ppm	25 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA PEL	10 ppm	25 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	ST ESL		250 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		100 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	REL	10 ppm	25 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	10 ppm		US. ACGIH Threshold Limit Values (2008)
	STEL	15 ppm		US. ACGIH Threshold Limit Values (2008)
	AN ESL		25 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	TWA	10 ppm	25 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
Ethanol, 2-methoxy-	TWA	0.1 ppm		US. ACGIH Threshold Limit Values (2008)
	REL	0.1 ppm	0.3 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	25 ppm	80 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	TWA	25 ppm	80 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA PEL	5 ppm	16 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	ST ESL		50 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL		16 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11



				2016)
	PEL	25 ppm	80 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	AN ESL		5 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		160 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
1,2-Ethanediamine	TWA	10 ppm		US. ACGIH Threshold Limit Values (2008)
	TWA PEL	10 ppm	25 mg/m3	US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	PEL	10 ppm	25 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	10 ppm	25 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	AN ESL		25 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	ST ESL		100 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL		10 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	REL	10 ppm	25 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	ST ESL		250 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	TWA	10 ppm	25 mg/m3	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
Benzene	REL	0.1 ppm		US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	1 ppm		US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	Ceiling	25 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
	STEL	1 ppm		US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA A LV	0.5 ppm		US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	AN ESL		1.4 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	TWA	0.5 ppm		US. ACGIH Threshold Limit Values (2008)
	STEL	25 ppm		US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	STEL	5 ppm		US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	1 ppm		US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) (02 2006)
	STEL	5 ppm		US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	TWA PEL	1 ppm		US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (09 2006)
	ST ESL		170 µg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	TWA	10 ppm		US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)
	ST ESL		53 ppb	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	STEL	2.5 ppm		US. ACGIH Threshold Limit Values (2008)



STEL	5 ppm	US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) (02 2006)
OSHA_AC T	0.5 ppm	US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053) (02 2006)
TWA	10 ppm	US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
MAX. CONC	50 ppm	US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
AN ESL	4.5 μg/m3	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
Ceiling	50 ppm	US. Tennessee. OELs. Occupational Exposure Limits, Table Z1A (06 2008)

Biological Limit Values

Chemical Identity	Exposure Limit Values	Source
2-Propanol (acetone: Sampling time: End of shift at end of work week.)	40 mg/l (Urine)	ACGIH BEL (03 2013)
Ethanol, 2-butoxy- (Butoxyacetic acid (BAA), with hydrolysis: Sampling time: End of shift.)	200 mg/g (Creatinine in urine)	ACGIH BEL (03 2013)
Ethanol, 2-ethoxy- (2- Ethoxyacetic acid: Sampling time: End of shift at end of work week.)	100 mg/g (Creatinine in urine)	ACGIH BEL (03 2013)
Benzene, dimethyl- (Methylhippuric acids: Sampling time: End of shift.)	1.5 g/g (Creatinine in urine)	ACGIH BEL (03 2013)
Ethylene Oxide (S-(2- hydroxyethyl) mercapturic acid (HEMA): Sampling time: End of shift.)	5 μg/g (Creatinine in urine)	ACGIH BEL (03 2018)
Ethylene Oxide (N-(2- hydroxyethyl)-valine (HEV) hemoglobin adducts: Sampling time: Not critical.)	5000 pmol/g (Hemoglobin adducts)	ACGIH BEL (03 2018)
Ethanol, 2-methoxy- (2- Methoxyacetic acid: Sampling time: End of shift at end of work week.)	1 mg/g (Creatinine in urine)	ACGIH BEL (03 2013)
Benzene (t,t-Muconic acid: Sampling time: End of shift.)	500 μg/g (Creatinine in urine)	ACGIH BEL (03 2013)
Benzene (S- Phenylmercapturic acid: Sampling time: End of shift.)	25 μg/g (Creatinine in urine)	ACGIH BEL (03 2013)

Appropriate Engineering Controls

No data available.

Individual protection measures, such as personal protective equipment

General information:	Provide easy access to water supply and eye wash facilities. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Eye/face protection:	Wear safety glasses with side shields (or goggles).



Skin Protection Hand Protection:	No data available.
Other:	Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Avoid contact with eyes. Observe good industrial hygiene practices. When using do not smoke. Wash contaminated clothing before reuse. Avoid contact with skin. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace.

9. Physical and chemical properties

Appearance

Physical state:	liquid
Form:	Spray Aerosol
Color:	No data available.
Odor:	No data available.
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	-104.44 °C
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Upper/lower limit on flammability or explosive	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	3,102.6408 - 4,481.5922 hPa (20 °C)
Venerdensity	Nie slete euselleije
Vapor density:	No data available.
Density:	No data available.
Density: Relative density:	
Density: Relative density: Solubility(ies)	No data available. No data available.
Density: Relative density: Solubility(ies) Solubility in water:	No data available. No data available. No data available.
Density: Relative density: Solubility(ies) Solubility in water: Solubility (other):	No data available. No data available. No data available. No data available.
Density: Relative density: Solubility(ies) Solubility in water:	No data available. No data available. No data available.
Density: Relative density: Solubility(ies) Solubility in water: Solubility (other): Partition coefficient (n-octanol/water):	No data available. No data available. No data available. No data available.
Density: Relative density: Solubility(ies) Solubility in water: Solubility (other):	No data available. No data available. No data available. No data available. No data available.
Density: Relative density: Solubility(ies) Solubility in water: Solubility (other): Partition coefficient (n-octanol/water): Auto-ignition temperature:	No data available. No data available. No data available. No data available. No data available. No data available.
Density: Relative density: Solubility(ies) Solubility in water: Solubility (other): Partition coefficient (n-octanol/water): Auto-ignition temperature: Decomposition temperature:	No data available. No data available. No data available. No data available. No data available. No data available. No data available.



10. Stability and reactivity

Reactivity:	No data available.
Chemical Stability:	Material is stable under normal conditions.
Possibility of hazardous reactions:	No data available.
Conditions to avoid:	Avoid heat or contamination.
Incompatible Materials:	No data available.
Hazardous Decomposition Products:	No data available.

11. Toxicological information

Information on likely routes of exposure

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	ATEmix: 37,850 mg/kg
Dermal Product:	ATEmix: 98,548.37 mg/kg
Inhalation Product:	Not classified for acute toxicity based on available data.

Repeated dose toxicity

Version: 1.0 Revision Date: 07/03/2019



Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
Serious Eye Damage/Eye Irritat Product:	tion No data available.
Respiratory or Skin Sensitization Product:	on No data available.
Carcinogenicity Product:	No data available.
IARC Monographs on the Evalu No carcinogenic componer	uation of Carcinogenic Risks to Humans: hts identified
US. National Toxicology Progra No carcinogenic componer	am (NTP) Report on Carcinogens: hts identified
US. OSHA Specifically Regulat No carcinogenic componer	ed Substances (29 CFR 1910.1001-1050): hts identified
Germ Cell Mutagenicity	
In vitro Product:	No data available.
In vivo Product:	No data available.
Reproductive toxicity Product:	No data available.
Specific Target Organ Toxicity Product:	- Single Exposure No data available.
Specific Target Organ Toxicity Product:	- Repeated Exposure No data available.
Aspiration Hazard Product:	No data available.
Other effects:	No data available.
2. Ecological information	

Ecotoxicity:

Acute hazards to the aquatic environment:

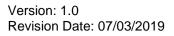
Fish Product:

No data available.

Version: 1.0 Revision Date: 07/03/2019



Aquatic Invertebrates Product:	No data available.
Chronic hazards to the aquation	c environment:
Fish Product:	No data available.
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	No data available.
BOD/COD Ratio Product:	No data available.
Bioaccumulative potential Bioconcentration Factor (BC Product:	F) No data available.
Partition Coefficient n-octanol / w Product:	vater (log Kow) No data available.
Mobility in soil:	No data available.
Known or predicted distribut	tion to environmental compartments
Known or predicted distribut Butane	tion to environmental compartments No data available.
Known or predicted distribut Butane Distillates (petroleum), hydrotreated light	tion to environmental compartments No data available. No data available.
Known or predicted distribut Butane Distillates (petroleum),	tion to environmental compartments No data available.
Known or predicted distribut Butane Distillates (petroleum), hydrotreated light Poly(oxy-1,2-ethanediyl), α- (4-nonylphenyl)-ω-hydroxy- , branched Propane	tion to environmental compartments No data available. No data available. No data available. No data available.
Known or predicted distribut Butane Distillates (petroleum), hydrotreated light Poly(oxy-1,2-ethanediyl), α- (4-nonylphenyl)-ω-hydroxy- , branched Propane Silicic acid (H2SiO3),	tion to environmental compartments No data available. No data available. No data available.
Known or predicted distribut Butane Distillates (petroleum), hydrotreated light Poly(oxy-1,2-ethanediyl), α- (4-nonylphenyl)-ω-hydroxy- , branched Propane Silicic acid (H2SiO3), sodium salt (1:2) 2-Propanol	tion to environmental compartments No data available. No data available. No data available. No data available. No data available. No data available.
Known or predicted distribut Butane Distillates (petroleum), hydrotreated light Poly(oxy-1,2-ethanediyl), α- (4-nonylphenyl)-ω-hydroxy- , branched Propane Silicic acid (H2SiO3), sodium salt (1:2) 2-Propanol Cyclohexene, 1-methyl-4-	tion to environmental compartments No data available. No data available. No data available. No data available. No data available. No data available.
Known or predicted distribut Butane Distillates (petroleum), hydrotreated light Poly(oxy-1,2-ethanediyl), α- (4-nonylphenyl)-ω-hydroxy- , branched Propane Silicic acid (H2SiO3), sodium salt (1:2) 2-Propanol Cyclohexene, 1-methyl-4- (1-methylethenyl)-, (4R)-	tion to environmental compartments No data available. No data available. No data available. No data available. No data available. No data available.
Known or predicted distribut Butane Distillates (petroleum), hydrotreated light Poly(oxy-1,2-ethanediyl), α- (4-nonylphenyl)-ω-hydroxy- , branched Propane Silicic acid (H2SiO3), sodium salt (1:2) 2-Propanol Cyclohexene, 1-methyl-4- (1-methylethenyl)-, (4R)- Ethanol, 2-butoxy- Morpholine	tion to environmental compartments No data available. No data available.
Known or predicted distribut Butane Distillates (petroleum), hydrotreated light Poly(oxy-1,2-ethanediyl), α- (4-nonylphenyl)-ω-hydroxy- , branched Propane Silicic acid (H2SiO3), sodium salt (1:2) 2-Propanol Cyclohexene, 1-methyl-4- (1-methylethenyl)-, (4R)- Ethanol, 2-butoxy- Morpholine 1,2-Ethanediol	tion to environmental compartments No data available. No data available.
Known or predicted distribut Butane Distillates (petroleum), hydrotreated light Poly(oxy-1,2-ethanediyl), α- (4-nonylphenyl)-ω-hydroxy- , branched Propane Silicic acid (H2SiO3), sodium salt (1:2) 2-Propanol Cyclohexene, 1-methyl-4- (1-methylethenyl)-, (4R)- Ethanol, 2-butoxy- Morpholine 1,2-Ethanediol Ethanol, 2-ethoxy-	tion to environmental compartments No data available. No data available.
Known or predicted distribut Butane Distillates (petroleum), hydrotreated light Poly(oxy-1,2-ethanediyl), α- (4-nonylphenyl)-ω-hydroxy- , branched Propane Silicic acid (H2SiO3), sodium salt (1:2) 2-Propanol Cyclohexene, 1-methyl-4- (1-methylethenyl)-, (4R)- Ethanol, 2-butoxy- Morpholine 1,2-Ethanediol Ethanol, 2-ethoxy- Sodium hydroxide (Na(OH))	tion to environmental compartments No data available. No data available.
Known or predicted distribut Butane Distillates (petroleum), hydrotreated light Poly(oxy-1,2-ethanediyl), α- (4-nonylphenyl)-ω-hydroxy- , branched Propane Silicic acid (H2SiO3), sodium salt (1:2) 2-Propanol Cyclohexene, 1-methyl-4- (1-methylethenyl)-, (4R)- Ethanol, 2-butoxy- Morpholine 1,2-Ethanediol Ethanol, 2-ethoxy-	tion to environmental compartments No data available. No data available.
Known or predicted distribut Butane Distillates (petroleum), hydrotreated light Poly(oxy-1,2-ethanediyl), α- (4-nonylphenyl)-ω-hydroxy- , branched Propane Silicic acid (H2SiO3), sodium salt (1:2) 2-Propanol Cyclohexene, 1-methyl-4- (1-methylethenyl)-, (4R)- Ethanol, 2-butoxy- Morpholine 1,2-Ethanediol Ethanol, 2-ethoxy- Sodium hydroxide (Na(OH)) Benzene, dimethyl- Ethylene Oxide 1,4-Dioxane	tion to environmental compartments No data available. No data available.
Known or predicted distribut Butane Distillates (petroleum), hydrotreated light Poly(oxy-1,2-ethanediyl), α- (4-nonylphenyl)-ω-hydroxy- , branched Propane Silicic acid (H2SiO3), sodium salt (1:2) 2-Propanol Cyclohexene, 1-methyl-4- (1-methylethenyl)-, (4R)- Ethanol, 2-butoxy- Morpholine 1,2-Ethanediol Ethanol, 2-ethoxy- Sodium hydroxide (Na(OH)) Benzene, dimethyl- Ethylene Oxide 1,4-Dioxane Acetic acid	tion to environmental compartments No data available. No data available.
Known or predicted distribut Butane Distillates (petroleum), hydrotreated light Poly(oxy-1,2-ethanediyl), α- (4-nonylphenyl)-ω-hydroxy- , branched Propane Silicic acid (H2SiO3), sodium salt (1:2) 2-Propanol Cyclohexene, 1-methyl-4- (1-methylethenyl)-, (4R)- Ethanol, 2-butoxy- Morpholine 1,2-Ethanediol Ethanol, 2-ethoxy- Sodium hydroxide (Na(OH)) Benzene, dimethyl- Ethylene Oxide 1,4-Dioxane	tion to environmental compartments No data available. No data available.





Benzene	No data available.
Other adverse effects:	Harmful to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Discharge, treatment, or disposal may be subject to national, state, or local laws.
Contaminated Packaging:	No data available.
14. Transport information	

DOT

UN Number:	UN 1950
UN Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es)	
Class:	2.1
Label(s):	_
Packing Group:	II
Marine Pollutant:	No
Environmental Hazards:	No
Marine Pollutant	No
Special precautions for user:	Not regulated.
IMDG	
UN Number:	UN 1950
UN Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es)	
Class:	2
Label(s):	-
EmS No.:	F-D, S-U
Packing Group:	-
Environmental Hazards:	Yes
Marine Pollutant	No
Special propositions for uppri	Not regulated
Special precautions for user:	Not regulated.
ΙΑΤΑ	
UN Number:	UN 1950
Proper Shipping Name:	Aerosols, flammable
Transport Hazard Class(es):	0.4
Class:	2.1
Label(s):	-
Packing Group:	-
Environmental Hazards:	Yes
Marine Pollutant	No
Special precautions for user:	Not regulated.
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Cargo aircraft only: Allowed.

15. Regulatory information

US Federal Regulations TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

<u>Chemical Identity</u> Ethylene Oxide	OSHA hazard(s) Eye irritation respiratory tract irritation Skin irritation Skin sensitization Acute toxicity Cancer Central nervous system Reproductive toxicity Mutagenicity Flammability
Benzene	respiratory tract irritation Central nervous system Blood Skin Flammability Cancer Aspiration Eye

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity	Reportable quantity
Butane	lbs. 100
Propane	lbs. 100
2-Propanol	lbs. 100
Phosphoric acid, sodium	lbs. 5000
salt (1:3)	
Morpholine	lbs. 100
1,2-Ethanediol	lbs. 5000
Ethanol, 2-ethoxy-	lbs. 1000
Sodium hydroxide	lbs. 1000
(Na(OH))	
Benzene, dimethyl-	lbs. 100
Ethylene Oxide	lbs. 10
1,4-Dioxane	lbs. 100
Acetic acid	lbs. 5000
1,2-Ethanediamine	lbs. 5000
Benzene	lbs. 10

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Fire Hazard Immediate (Acute) Health Hazards Flammable aerosol Skin Corrosion/Irritation



Serious Eye Damage/Eye Irritation Skin sensitizer

SARA 302 Extremely Hazardous Substance

Chemical Identity	<u>Reportable</u> <u>quantity</u>	Threshold Planning Quantity
Distillates (petroleum),		
hydrotreated light		
Ethylene Oxide	lbs. 10	lbs. 1000
1,2-Ethanediamine	lbs. 5000	lbs. 10000

SARA 304 Emergency Release Notification

Chemical Identity	Reportable quantity
Butane	lbs. 100
Distillates (petroleum),	
hydrotreated light	
Ethanol, 2-(2-	
ethoxyethoxy)-	
Propane	lbs. 100
2-Propanol	lbs. 100
Phosphoric acid, sodium	lbs. 5000
salt (1:3)	
Ethanol, 2-butoxy-	
Morpholine	lbs. 100
1,2-Ethanediol	lbs. 5000
Ethanol, 2-ethoxy-	lbs. 1000
Sodium hydroxide	lbs. 1000
(Na(OH))	
Benzene, dimethyl-	lbs. 100
Ethylene Oxide	lbs. 10
1,4-Dioxane	lbs. 100
Acetic acid	lbs. 5000
Ethanol, 2-methoxy-	
1,2-Ethanediamine	lbs. 5000
Benzene	lbs. 10

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity
Ethylene Oxide	lbs
1,2-Ethanediamine	lbs
Butane	10000 lbs
Distillates (petroleum),	10000 lbs
hydrotreated light	
Poly(oxy-1,2-ethanediyl),	10000 lbs
α-(4-nonylphenyl)-ω-	
hydroxy-, branched	
Propane	10000 lbs
Silicic acid (H2SiO3),	10000 lbs
sodium salt (1:2)	
2-Propanol	10000 lbs
Cyclohexene, 1-methyl-4-	10000 lbs
(1-methylethenyl)-, (4R)-	
Ethanol, 2-butoxy-	10000 lbs
Morpholine	10000 lbs
1,2-Ethanediol	10000 lbs
Ethanol, 2-ethoxy-	10000 lbs
Sodium hydroxide	10000 lbs
US - RE1000009118	

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(Na(OH))		
Benzene, dimethyl-	10000 lbs	
1,4-Dioxane	10000 lbs	
Acetic acid	10000 lbs	
Ethanol, 2-methoxy-	10000 lbs	
Benzene	10000 lbs	
SARA 313 (TRI Reporting)		
5	Reporting	Reporting threshold for
, , , , , , , , , , , , , , , , , , ,		Reporting threshold for manufacturing and
Chemical Identity	Reporting	
	Reporting threshold for	manufacturing and
Chemical Identity	<u>Reporting</u> <u>threshold for</u> <u>other users</u>	manufacturing and processing
<u>Chemical Identity</u> Ethanol, 2-(2-	<u>Reporting</u> <u>threshold for</u> <u>other users</u>	manufacturing and processing

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) US State Regulations

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

1,2-Ethanediol	Developmental toxin. 06 2015
Ethanol, 2-ethoxy-	Developmental toxin. 03 2008
Ethanol, 2-ethoxy-	Male reproductive toxin. 03 2008
Ethylene Oxide	Female reproductive toxin. 03 2008
Ethylene Oxide	Carcinogenic. 05 2011
Ethylene Oxide	Male reproductive toxin. 08 2009
Ethylene Oxide	Developmental toxin. 08 2009
1,4-Dioxane	Carcinogenic. 05 2011
Ethanol, 2-methoxy-	Developmental toxin. 03 2008
Ethanol, 2-methoxy-	Male reproductive toxin. 03 2008
Benzene	Developmental toxin. 03 2008
Benzene	Carcinogenic. 05 2011
Benzene	Male reproductive toxin. 03 2008

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

Butane Distillates (petroleum), hydrotreated light Ethanol, 2-(2-ethoxyethoxy)-Propane 2-Propanol Ethanol, 2-butoxy-

US. Massachusetts RTK - Substance List

Chemical Identity

Glycine, N,N-bis(carboxymethyl)-, sodium salt (1:3)

US. Pennsylvania RTK - Hazardous Substances

<u>Chemical Identity</u> Butane Distillates (petroleum), hydrotreated light Ethanol, 2-(2-ethoxyethoxy)-Propane 2-Propanol

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US. Rhode Island RTK No ingredient regulated by RI Right-to-Know Law present.

International regulations

Montreal protocol

Distillates (petroleum), hydrotreated light

Stockholm convention Distillates (petroleum), hydrotreated light

Rotterdam convention

Distillates (petroleum), hydrotreated light

Kyoto protocol

Inventory Status:

Australia AICS:

Canada DSL Inventory List:

EINECS, ELINCS or NLP:

Japan (ENCS) List:

China Inv. Existing Chemical Substances:

Korea Existing Chemicals Inv. (KECI):

Canada NDSL Inventory:

Philippines PICCS:

US TSCA Inventory:

New Zealand Inventory of Chemicals:

Japan ISHL Listing:

Japan Pharmacopoeia Listing:

Mexico INSQ:

Ontario Inventory:

Taiwan Chemical Substance Inventory:

Not in compliance with the inventory. Not in compliance with the inventory.

Not in compliance with the inventory.

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16.Other information, including date of preparation or last revision

Issue Date:	07/03/2019
Revision Information:	No data available.
Version #:	1.0
Further Information:	No data available.
Disclaimer:	This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.