

Safety Data Sheet

This safety data sheet complies with the requirements of: 2012 OSHA Hazard Communication Standard (29CFR 1910.1200)

Product name CHEMGUARD Class A Plus

1. Identification

1.1. Product Identifier

Product name CHEMGUARD Class A Plus

1.2. Other means of identification

Product code CAD
Synonyms None
Chemical Family Fire fighting foam, surfactant

1.3. Recommended use of the chemical and restrictions on use

Recommended use Fire extinguishing agent
Uses advised against None known

1.4. Details of the Supplier of the Safety Data Sheet

Company Name Chemguard, Inc
204 South 6th Ave
Mansfield, TX 76063
Telephone: 817-473-9964
www.chemguard.com
Contact point Product Stewardship at 1-715-735-7411
E-mail address psra@tycofp.com

1.5. Emergency Telephone Number

Emergency telephone CHEMTREC 800-424-9300 or 703-527-3887

2. Hazards Identification

Classification

OSHA Regulatory Status

This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation - Category 1

Carcinogenicity - Category 1A

2.2. Label Elements

Signal Word

DANGER

hazard statements

Causes serious eye damage

May cause cancer



Precautionary Statements

Prevention

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

Response

IF exposed or concerned: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Storage

Store locked up.

Disposal

Dispose of contents/container to an approved waste disposal plant.

2.3. Hazards Not Otherwise Classified (HNOC)

Not Applicable.

2.4. OTHER INFORMATION

May be harmful in contact with skin.

Unknown Acute Toxicity

11.825% of the mixture consists of ingredient(s) of unknown toxicity

3. Composition/information on Ingredients**3.1. Mixture**

The following component(s) in this product are considered hazardous under applicable OSHA(USA).

Chemical name	CAS No	weight-%
2-(2-Butoxyethoxy)ethanol	112-34-5	7 - 13
Ethoxylated isodecanol	61827-42-7	3 - 7
Propan-2-ol	67-63-0	1 - 5

4. First aid measures**4.1. Description of first aid measures****General Advice**

Keep victim under observation. Move victim to a safe isolated area. Move victim to fresh air. Remove contaminated clothing and shoes.

Eye Contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact

Wash skin with soap and water. Get medical attention if irritation develops and persists.

Inhalation

Remove to fresh air. If breathing is difficult, give oxygen. (Get medical attention immediately if symptoms occur.).

Ingestion

Rinse mouth. Do not induce vomiting without medical advice. If swallowed, call a poison control center or physician immediately.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed**Symptoms**

No information available.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed**Note to physicians**

Treat symptomatically.

5. Fire-fighting measures

5.1. Suitable Extinguishing Media

Product is extinguishing agent. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2. Unsuitable Extinguishing Media

None.

5.3. Specific Hazards Arising from the Chemical

None known.

Hazardous Combustion Products Carbon oxides, Nitrogen oxides (NOx), Oxides of sulfur

5.4. Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

5.5. Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal Precautions Ensure adequate ventilation, especially in confined areas.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental Precautions

Environmental Precautions Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up Pick up and transfer to properly labeled containers.

7. Handling and Storage**7.1. Precautions for Safe Handling**

Advice on safe handling Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

Incompatible Materials Strong oxidizing agents. Strong acids. Strong bases.

8. Exposure Controls/Personal Protection**8.1. Control Parameters**

Exposure guidelines This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
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2-(2-Butoxyethoxy)ethanol 112-34-5	TWA: 10 ppm inhalable fraction and vapor	-	-
Propan-2-ol 67-63-0	STEL: 400 ppm TWA: 200 ppm	-	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³

ACGIH (American Conference of Governmental Industrial Hygienists) OSHA (Occupational Safety and Health Administration of the US Department of Labor) NIOSH IDLH Immediately Dangerous to Life or Health

8.2. Appropriate Engineering Controls

Engineering controls Showers
 Eyewash stations
 Ventilation systems.

8.3. Individual protection measures, such as personal protective equipment

Eye/Face Protection Avoid contact with eyes. Tight sealing safety goggles.

Skin and Body Protection Wear protective gloves and protective clothing.

Respiratory Protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

Ventilation Use local exhaust or general dilution ventilation to control exposure with applicable limits

8.4. General hygiene considerations

Do not eat, drink or smoke when using this product. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical State	Liquid	Color	Amber
Odor	Slight solvent		
odor threshold	No data available		
Property	VALUES	Remarks • Method	
pH	7		
Melting point/freezing point	4 °C / 39 °F		
Boiling point / boiling range	96 °C / 205 °F		
Flash Point	> 100 °C / > 212 °F		
Evaporation Rate	No data available		
flammability (solid, gas)	No data available		
Flammability limit in air			
Upper flammability limit:	No data available		
Lower flammability limit:	No data available		
Vapor Pressure	No data available		
Vapor Density	No data available		
Specific gravity	1.00 - 1.20		
Water Solubility	Completely soluble		
Solubility in Other Solvents	No data available		
Partition coefficient	No data available		
Autoignition Temperature	No data available		
Decomposition Temperature	No data available		

Kinematic viscosity No data available

10. Stability and Reactivity**10.1. Chemical Stability**

Stable under recommended storage conditions.

10.2. Reactivity

No data available

10.3. Possibility of hazardous reactions

None under normal processing.

hazardous polymerization Hazardous polymerization does not occur.**10.4. Conditions to Avoid**

Extremes of temperature and direct sunlight.

10.5. Incompatible Materials

Strong oxidizing agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Carbon oxides. Nitrogen oxides (NOx). Oxides of sulfur.

11. Toxicological Information**11.1. Information on Likely Routes of Exposure****Product information** no data available**INHALATION** no data available.**Eye Contact** no data available.**Skin contact** no data available.**INGESTION** no data available.**Acute Toxicity**

Chemical name	Oral LD50	dermal LD50	Inhalation LC50
2-(2-Butoxyethoxy)ethanol 112-34-5	= 3384 mg/kg (Rat)	= 2700 mg/kg (Rabbit)	-
Propan-2-ol 67-63-0	= 4396 mg/kg (Rat)	= 12800 mg/kg (Rabbit)	= 16000 ppm (Rat) 8 h

11.2. Information on Toxicological Effects**Symptoms** No information available.**11.3. Delayed and immediate effects as well as chronic effects from short and long-term exposure****sensitization** No information available.**Germ Cell Mutagenicity** No information available**carcinogenicity** No information available.

Chemical name	ACGIH	IARC	NTP	OSHA
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Propan-2-ol 67-63-0	-	Group 1	-	X
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IARC (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive Toxicity	No information available.
STOT - Single Exposure	No information available.
STOT - Repeated Exposure	No information available.
Target organ effects	EYES, Respiratory System, skin.
Aspiration Hazard	No information available.

11.4. Numerical Measures of Toxicity - Product information

The following values are calculated based on chapter 3.1 of the GHS document

Oral LD50	> 5050 mg/kg
dermal LD50	> 2020 mg/kg

12. Ecological Information**12.1. ecotoxicity**

Not classified

12.4975% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Crustacea
2-(2-Butoxyethoxy)ethanol 112-34-5	EC50 96 h > 100 mg/L Desmodesmus subspicatus	LC50 96 h = 1300 mg/L Lepomis macrochirus static	EC50 24 h = 2850 mg/L Daphnia magna EC50 48 h > 100 mg/L Daphnia magna
Propan-2-ol 67-63-0	EC50 96 h > 1000 mg/L Desmodesmus subspicatus EC50 72 h > 1000 mg/L Desmodesmus subspicatus	LC50 96 h = 9640 mg/L Pimephales promelas flow-through LC50 96 h = 11130 mg/L Pimephales promelas static LC50 96 h > 1400000 µg/L Lepomis macrochirus	EC50 48 h = 13299 mg/L Daphnia magna

species	Oncorhynchus mykiss (rainbow trout)
Endpoint type	LC50
Effective dose	130 mg/l
Exposure time	96 hours

12.2. Persistence and Degradability

Chemical Oxygen Demand:	760,000 mg/l
Biological Oxygen Demand (5 Day)	417,000 mg/l
Biodegradability (B.O.D./C.O.D.)	55 %

12.3. Bioaccumulation

No information available.

Chemical name	Partition coefficient
Propan-2-ol 67-63-0	0.05

12.4. Other Adverse Effects

No information available

13. Disposal Considerations**13.1. Waste Treatment Methods**

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Do not reuse container.

14. Transport Information

DOT NOT REGULATED

TDG NOT REGULATED

MEX NOT REGULATED

ICAO (air) NOT REGULATED

IATA NOT REGULATED

IMDG NOT REGULATED

15. Regulatory Information

15.1. International Inventories

TSCA Complies
DSL/NDSL Does not comply
ENCS Does not comply
IECSC Does not comply
KECL Does not comply
PICCS Does not comply
AICS Does not comply

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

15.2. US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	SARA 313 - Threshold Values %
2-(2-Butoxyethoxy)ethanol - 112-34-5	1.0
Propan-2-ol - 67-63-0	1.0

SARA 311/312 Hazard Categories

Acute Health Hazard Yes
Chronic health hazard Yes
Fire Hazard No
Sudden Release of Pressure Hazard No
Reactive Hazard No

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

15.3. US State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts	Pennsylvania
2-(2-Butoxyethoxy)ethanol 112-34-5	X	-	X
Propan-2-ol 67-63-0	X	X	X

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

NFPA	Health Hazards 2	flammability 1	Instability 0	Physical and chemical properties -
HMIS	Health Hazards 2	flammability 1	Physical Hazards 0	Personal Protection X

Revision date 25-May-2015

Revision note

No information available

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet