

EXTREME POWER CLEAN

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 10/04/2022

Version: 1.1

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : EXTREME POWER CLEAN
Product code :

1.2. Recommended use and restrictions on use

Use of the substance/mixture : This product is specifically manufactured for, and must be exclusively used in, heavy industrial applications.

1.3. Supplier

Chemical Marketing Corp.
9945 Flanders Court NE
Blaine, MN 55449 - USA
T 763-785-0055

1.4. Emergency telephone number

Emergency number : CHEMTREC HOTLINE: 800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Eye Irrit. 2 H319 Causes serious eye irritation

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

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Warning

Hazard statements (GHS US) : H319 - Causes serious eye irritation

Precautionary statements (GHS US) : P264 - Wash hands, forearms and face, clothing thoroughly after handling.
P280 - Wear eye protection, face protection, protective clothing, protective gloves.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337+P313 - If eye irritation persists: Get medical advice/attention.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Common Name (Synonyms) | Product identifier | % | GHS US classification |
|------------------------------------|--|--------------------|-------|-----------------------|
| Diethylene Glycol Mono-Butyl Ether | 2-(2-butoxyethoxy)ethanol / BDGE / butyl diglycol ether / butyldigol / DEGBE / diethylene glycol monobutyl ether / diethyleneglycol butyl ether / ethanol, 2-(2-butoxyethoxy)- | (CAS-No.) 112-34-5 | 3 – 5 | Eye Irrit. 2A, H319 |

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| Name | Common Name (Synonyms) | Product identifier | % | GHS US classification |
|---|------------------------|----------------------|-------|---|
| Poly(Oxy-1,2-Ethanediy), A-Undecyl-W-Hy | | (CAS-No.) 34398-01-1 | 1 – 3 | Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 |

Full text of hazard classes and H-statements : 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 : Allow affected person to breathe fresh air. Allow the victim to rest.
- First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
- First-aid measures after eye contact : 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.
- First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects (acute and delayed)

- Potential Adverse human health effects and symptoms : Based on available data, the classification criteria are not met.
- Symptoms/effects after eye contact : Causes serious eye irritation.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

- Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

- Fire hazard : Combustible liquid.
- Explosion hazard : May form flammable/explosive vapor-air mixture.

5.3. Special protective equipment and precautions for fire-fighters

- Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.

6.1.1. For non-emergency personnel

- Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Handle empty containers with care because residual vapors are flammable. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
- Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking.
- Hygiene measures : Wash Always wash hands after handling the product thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Proper grounding procedures to avoid static electricity should be followed.
- Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Keep in fireproof place.
- Incompatible products : Strong bases. Strong acids.
- Incompatible materials : Sources of ignition. Direct sunlight. Heat sources.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| | |
|--|---------------------------------------|
| Adhesive Remover Plus | |
| No additional information available | |
| Poly(Oxy-1,2-EthanediyI), A-Undecyl-W-Hy (34398-01-1) | |
| No additional information available | |
| Diethylene Glycol Mono-Butyl Ether (112-34-5) | |
| USA - ACGIH - Occupational Exposure Limits | |
| Local name | Diethylene glycol monobutyl ether |
| ACGIH TWA (ppm) | 10 ppm (Inhalable fraction and vapor) |

8.2. Appropriate engineering controls

No additional information available

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:

Wear protective gloves.

Eye protection:

Chemical goggles or safety glasses

Respiratory protection:

Wear appropriate mask

Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state : Liquid
- Color : Colorless
- Odor : characteristic
- Odor threshold : No data available
- pH : No data available
- Melting point : No data available
- Freezing point : No data available

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| | |
|---|-----------------------|
| Boiling point | : No data available |
| Flash point | : > 200 °F |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas) | : Combustible liquid. |
| Vapor pressure | : No data available |
| Relative vapor density at 20 °C | : No data available |
| Relative density | : No data available |
| Specific gravity / density | : 0.75 – 0.79 |
| Solubility | : No data available |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosion limits | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Combustible liquid. May form flammable/explosive vapor-air mixture.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Open flame. Overheating. Heat. Sparks.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

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 |

Poly(Oxy-1,2-Ethanediy), A-Undecyl-W-Hy (34398-01-1)

| | |
|-----------------|-----------------------|
| LD50 oral rat | 700 – 1700 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |
| ATE US (oral) | 700 mg/kg body weight |

Diethylene Glycol Mono-Butyl Ether (112-34-5)

| | |
|--------------------|--|
| LD50 dermal rabbit | 2764 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value, Dermal) |
| ATE US (dermal) | 2764 mg/kg body weight |

| | |
|-----------------------------------|----------------------------------|
| Skin corrosion/irritation | : Not classified |
| Serious eye damage/irritation | : Causes serious eye irritation. |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |

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| | |
|---|---|
| Reproductive toxicity | : Not classified |
| STOT-single exposure | : Not classified |
| STOT-repeated exposure | : Not classified |
| Aspiration hazard | : Not classified |
| Viscosity, kinematic | : No data available |
| Potential Adverse human health effects and symptoms | : Based on available data, the classification criteria are not met. |
| Symptoms/effects after eye contact | : Causes serious eye irritation. |

SECTION 12: Ecological information

12.1. Toxicity

| Poly(Oxy-1,2-Ethanediy), A-Undecyl-W-Hy (34398-01-1) | |
|--|---|
| LC50 fish 1 | 1 – 10 mg/l Fathead Minnow |
| EC50 Daphnia 1 | 1 – 10 mg/l Daphnia magna |
| ErC50 (algae) | 1 – 10 mg/l |
| Diethylene Glycol Mono-Butyl Ether (112-34-5) | |
| LC50 fish 1 | 1300 mg/l (Equivalent or similar to OECD 203, 96 h, Lepomis macrochirus, Static system, Fresh water, Experimental value, Nominal concentration) |
| EC50 Daphnia 1 | > 100 mg/l (EU Method C.2, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect) |
| ErC50 (algae) | 1101 mg/l (Equivalent or similar to OECD 201, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration) |

12.2. Persistence and degradability

| Adhesive Remover Plus | |
|---|---------------------------------|
| Persistence and degradability | Not established. |
| Diethylene Glycol Mono-Butyl Ether (112-34-5) | |
| Persistence and degradability | Readily biodegradable in water. |

12.3. Bioaccumulative potential

| Adhesive Remover Plus | |
|---|---|
| Bioaccumulative potential | Not established. |
| Diethylene Glycol Mono-Butyl Ether (112-34-5) | |
| Partition coefficient n-octanol/water (Log Pow) | 1 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 20 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

12.4. Mobility in soil

| Diethylene Glycol Mono-Butyl Ether (112-34-5) | |
|---|---------------------------------------|
| Surface tension | 27 mN/m (25 °C, 0.00212 mol/g) |
| Ecology - soil | Low potential for adsorption in soil. |

12.5. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

| | |
|--|--|
| Product/Packaging disposal recommendations | : Dispose in a safe manner in accordance with local/national regulations. |
| Additional information | : Handle empty containers with care because residual vapors are flammable. |
| Ecology - waste materials | : Avoid release to the environment. |

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SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

Poly(Oxy-1,2-Ethanediy), A-Undecyl-W-Hy (34398-01-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Diethylene Glycol Mono-Butyl Ether (112-34-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory
Subject to reporting requirements of United States SARA Section 313

15.2. International regulations

CANADA

Diethylene Glycol Mono-Butyl Ether (112-34-5)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

National regulations

No additional information available

15.3. US State regulations

SECTION 16: Other information

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Revision date : 10/04/2022

Other information : None.

Full text of H-phrases:

| | |
|---------------------|---|
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4 |
| 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 |
| H302 | Harmful if swallowed |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.