

Safety Data Sheet

acc. to OSHA HCS

Printing date 01/24/2023

Reviewed on 01/24/2023

1 Identification

- **Product identifier**
- **Trade name:** Extreme Power Clean Aerosol
- **Application of the substance / the mixture** Corrosion inhibitors
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Chemical Marketing Corporation
9945 Flanders Court NE
Blaine, MN 55449
Phone (763) 785-0055
-
- **Emergency telephone number:**
Spill, Leak, Fire, Exposure, or Accident
24 hour CHEMTREC contact:
USA and Canada 1-800-424-9300

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS04 Gas cylinder

Gases under Pressure - Compressed gas H280 Contains gas under pressure; may explode if heated.



GHS07

Eye Irritation 2A

H319 Causes serious eye irritation.

- **Label elements**
- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS04 GHS07

- **Signal word** Warning
- **Hazard-determining components of labeling:**
Poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy-
- **Hazard statements**
H280 Contains gas under pressure; may explode if heated.
H319 Causes serious eye irritation.
- **Precautionary statements**
P264 Wash thoroughly after handling.
P280 Wear eye protection / face protection.
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.
P410+P403 Protect from sunlight. Store in a well-ventilated place.

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- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

74-98-6	propane liquefied	10-25%
75-28-5	2-methylpropane	10-25%
112-34-5	2-(2-butoxyethoxy)ethanol	≥0-<10%
34398-01-1	Poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy-	≥1-≤2.5%

- **Additional information**

In accordance with paragraph (i) of the OSHA Hazard Communication Standard (29 CFR 1910.1200), the specific chemical identity and/or exact percentage composition has been withheld as a trade secret.

For the wording of the listed hazard phrases refer to section 16.

4 First-aid measures

- **Description of first aid measures**
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing** Call a doctor immediately.
- **Information for doctor** Show this safety data sheet to the doctor in attendance.
- **Most important symptoms and effects, both acute and delayed**
The symptoms and effects are as expected from the hazards shown in section 2. No specific product related symptoms are known.
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters** Self-contained breathing apparatus
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.

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6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**



Wear protective equipment. Keep unprotected persons away.

- **Environmental precautions:** No special measures required.
- **Methods and material for containment and cleaning up:**
Absorb liquid components with liquid-binding material.
- **Reference to other sections**
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling**
- **Precautions for safe handling**
Store in cool, dry place in tightly closed receptacles.
Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**



Keep ignition sources away - Do not smoke.

- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** None.
- **Storage class 2 B**
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the remaining constituent has no known exposure limits.

74-98-6 propane liquefied (10-25%)

PEL	Long-term value: 1800 mg/m ³ , 1000 ppm
REL	Long-term value: 1800 mg/m ³ , 1000 ppm
TLV	see Appendix F Minimal oxygen content (D, EX)

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75-28-5 2-methylpropane (10-25%)

TLV	Short-term value: 1000 ppm (EX)
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112-34-5 2-(2-butoxyethoxy)ethanol (≥2.5-<10%)

TLV	Long-term value: 10* ppm *Inhalable fraction and vapor
-----	---

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls** Use local exhaust ventilation to control airborne concentrations below exposure limits.
- **Personal protective equipment**
- **General protective and hygienic measures**
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
- **Breathing equipment:**



Use suitable respiratory protective device in case of insufficient ventilation.

Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). To determine the appropriate type of respiratory protection that should be used, a hazard assessment should be performed prior to using the product. Environmental conditions such as ventilation and other contaminants may affect the type of respiratory protection that is chosen.

- **Protection of hands:**
Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Protective Gloves** I.E., Nitrile, Viton, Neoprene
- **Eye protection:** Tightly sealed goggles.
- **Body protection:** Protective work clothing.

9 Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Aerosol
Color:	Colorless
Odor:	Characteristic
Odor threshold:	Not determined.
- **pH-value:** Not determined.
- **Change in condition**

Melting point/Melting range:	undetermined
Boiling point/Boiling range:	Not applicable, as aerosol
- **Flash point:** 93.3 °C (199.9 °F)
- **Flammability (solid, gaseous)** Not applicable.

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· Ignition temperature:	460 °C (860 °F)
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not self-igniting.
· Danger of explosion:	Not determined.
· Explosion limits:	
Lower:	1.7 Vol %
Upper:	10.9 Vol %
· Vapor pressure at 20 °C (68 °F):	8,300 hPa (6.200 mm Hg)
· Density at 20 °C (68 °F):	0.75-0.79 g/cm ³ (6.26-6.59 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with Water:	Fully miscible
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
dynamic:	Not determined.
kinematic:	Not determined.
· Other information	The above data are typical values and do not constitute a specification. *Properties have been calculated.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability** Stable under recommended storage conditions
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:		
112-34-5 2-(2-butoxyethoxy)ethanol		
Oral	LD50	2,410 mg/kg (rat)
Dermal	LD50	2,764 mg/kg (rabbit)
Inhalative	LC50/4 h	>29 mg/l (rat)
34398-01-1 Poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy-		
Oral	LD50	>2,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)

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- **Primary irritant effect:**
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant
- **Carcinogenic categories**

· IARC (International Agency for Research on Cancer)		
5989-27-5	(R)-p-mentha-1,8-diene	3

· NTP (National Toxicology Program)		
None of the ingredients is listed.		

· OSHA-Ca (Occupational Safety & Health Administration)		
None of the ingredients is listed.		

12 Ecological information

- **Toxicity**

· Aquatic toxicity:		
34398-01-1 Poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy-		
EC50/ 48 h	5-10 mg/l (Daphnia)	
EC50/72 h	10-100 mg/l (Algae)	

- **Persistence and degradability** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation** Dispose of in accordance with local, state, and federal regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- | | |
|----------------------------------|---------------------|
| · UN-Number | |
| · DOT, ADR, IMDG, IATA | UN1950 |
| · UN proper shipping name | |
| · DOT | Aerosols, flammable |
| · ADR | 1950 AEROSOLS |

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· **IMDG** AEROSOLS
 · **IATA** AEROSOLS, flammable

· **Transport hazard class(es)**

· **DOT**



· **Class** 2.1 Gases
 · **Label** 2.1

· **ADR**



· **Class** 2.1 Gases
 · **Label** 2.1

· **IMDG, IATA**



· **Class** 2.1 Gases
 · **Label** 2.1

· **Packing group**

· **DOT, ADR, IMDG, IATA** not classified as dangerous goods

· **Environmental hazards:** Not applicable.

· **Special precautions for user** Warning: Gases

· **Hazard identification number (Kemler code):** -

· **EMS Number:** F-D,S-U

· **Stowage Code**

SW1 Protected from sources of heat.
 SW22 For AEROSOLS with a maximum capacity of 1 litre:
 Category A. For AEROSOLS with a capacity above 1 litre:
 Category B. For WASTE AEROSOLS: Category C, Clear of
 living quarters.

· **Segregation Code**

SG69 For AEROSOLS with a maximum capacity of 1 litre:
 Segregation as for class 9. Stow "separated from" class 1 except
 for division 1.4.
 For AEROSOLS with a capacity above 1 litre:
 Segregation as for the appropriate subdivision of class 2.
 For WASTE AEROSOLS:
 Segregation as for the appropriate subdivision of class 2.

· **Transport in bulk according to Annex II of
 MARPOL73/78 and the IBC Code**

Not applicable.

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· Transport/Additional information:
· ADR
· Excepted quantities (EQ)

Code: E0

Not permitted as Excepted Quantity

· IMDG
· Limited quantities (LQ)

1L

· Excepted quantities (EQ)

Code: E0

Not permitted as Excepted Quantity

· UN "Model Regulation":

UN 1950 AEROSOLS, 2.1

15 Regulatory information

· Safety, health and environmental regulations/legislation specific for the substance or mixture

No further relevant information available.

· Sara
· SARA Section 355 (extremely hazardous substances)

None of the ingredients is listed.

· SARA Section 313 (specific toxic chemical listings)

112-34-5 | 2-(2-butoxyethoxy)ethanol

· TSCA (Toxic Substances Control Act)

All ingredients are listed.

· Hazardous Air Pollutants

None of the ingredients is listed.

· Proposition 65
· Prop 65 - Chemicals known to cause cancer

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity

None of the ingredients is listed.

· Cancerogenity categories
· EPA (Environmental Protection Agency)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

· Canadian Domestic Substances List (DSL): (Substances not listed)

All ingredients are listed.

· Canadian Non-Domestic Substances List (NDSL): (Substances not listed)

None of the ingredients is listed.

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· Philippines Inventory of Chemicals and Chemical Substances: (Substances not listed)

All ingredients are listed.

· Chinese Chemical Inventory of Existing Chemical Substances: (Substances not listed)

All ingredients are listed.

· Australian Inventory of Chemical Substances: (Substances not listed)

All ingredients are listed.

· New Zealand Inventory of Chemicals: (Substances not listed)

All ingredients are listed.

· Existing Chemical Substances

propane liquefied	2-3
2-methylpropane	2-4
2-(2-butoxyethoxy)ethanol	2-422, 7-97
Poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy-	7-97

· GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms


GHS04 GHS07

· Signal word Warning

· Hazard-determining components of labeling:

Poly(oxy-1,2-ethanediyl), a-undecyl-w-hydroxy-

· Hazard statements

H280 Contains gas under pressure; may explode if heated.

H319 Causes serious eye irritation.

· Precautionary statements

P264 Wash thoroughly after handling.

P280 Wear eye protection / face protection.

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.

P410+P403 Protect from sunlight. Store in a well-ventilated place.

· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Chemical Marketing Corporation does not warrant any unauthorized translation of this SDS.

· Date of preparation / last revision 01/24/2023

· Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

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LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Gases under Pressure - Compressed gas: Gases under pressure – Compressed gas

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

USA