

SAFETY DATA SHEET

According to
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1. Identification of the material and the supplier

Product: **Formula X-treme Ultra High Performance Stripper**
 Product Use: Non-ammoniated, ultra high performance stripper
 Concentrate- dilute prior to use.
 Product intended for commercial and industrial use only.

Restriction of Use: Refer to Section 15

New Zealand Supplier: **Proquip NZ Ltd**
 Address: 47 Fitzherbert Street
 Petone, Wellington

Telephone: 0800 277 678
Emergency No: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 2 October 2020

Section 2. Hazards Identification

This substance is hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval No: Cleaning Products (Corrosive) – HSR002526

Pictograms



Toxic/Irritant Corrosive Ecotoxic

Signal Word: **DANGER**

HSNO Classification	Hazard Code	Hazard Statement	GHS Category
6.1D (oral)	H302	Harmful if swallowed.	Acute Tox. 4
6.1D (dermal)	H312	Harmful in contact with skin.	Acute Tox. 4
6.1D (inh)	H332	Harmful if inhaled.	Acute Tox. 4
6.5B	H317	May cause an allergic skin reaction.	Skin Sens. 1
8.1A	H290	May be corrosive to metals.	Met. Corr. 1
8.2C	H314	Causes severe skin burns and eye damage.	Skin Corr. 1C
8.3A	H318	Causes serious eye damage.	Eye Corr. 1
9.1D	H401	Toxic to aquatic life.	Aquatic Chronic 4
9.2B	H422	Toxic to the soil environment.	-
9.3C	H433	Harmful to terrestrial vertebrates.	-

If Swallowed Do not induce vomiting. Wash out mouth thoroughly with water. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek medical attention if needed.

If Inhaled Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms:

Ingestion: Harmful if swallowed. May cause burns to mouth, throat and stomach.

Inhalation: Harmful if inhaled. May cause irritation and corrosive effects to nose, throat and respiratory tract.

Skin: Harmful if in contact with skin. Causes skin burns and may cause an allergic skin reaction.

Eye: Causes eye damage.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable Liquid.
Hazards from products	Corrosive. Do not spray a solid stream of water or foam directly in hot liquid. This may cause frothing.
Suitable Extinguishing media	Water spray, CO2, dry chemical, alcohol-type or universal type foams.
Precautions for firefighters and special protective clothing	Fire fighters should wear NIOSH approved breathing apparatus. Materials can splatter above 100° C
HAZCHEM CODE	2X

Section 6. Accidental Release Measures

Eliminate all ignition sources. Put on personal protective equipment (see Section 8). Keep spectators away. Floors may be slippery: use care to avoid falling.

Keep spills and cleaning run-off out of sewers and open bodies of water.

Absorb spill with inert material (e.g. sand, earth) and dispose of as waste material in accordance with local, state and federal regulations.

Dike and contain spill with inert material (e.g. sand, earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal.

Landfill or incinerate the contaminated solids and diking material in accordance with local, state and federal regulations. Non-salvageable liquid should be drummed and disposed of in accordance with Section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Avoid contact with eyes, skin and clothing.
- Keep only in original container.
- Do not breathe fumes, vapours or spray.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Contaminated work clothing should not be allowed out of the workplace.
- Avoid release to the environment.

- Wear protective clothing as detailed in Section 8.

Precautions for Storage:

- Store away from incompatible materials listed in Section 10.
- Store locked up.
- Store in corrosive resistant container with a resistant inner liner.
- Storage temperature (Max. 60°C - Min. 1°C)
- Keep from freezing.
- Keep container sealed when not in use.
- Keep out of reach of children.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
2-Butoxyethanol (skin) [111-76-2]	25	121	-	-
Ethanolamine [141-43-5]	3	7.5	6	15

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices NOV 2019 11TH EDITION.

Engineering Controls

Use only with adequate ventilation. Use local ventilation and other engineering controls to maintain airborne contaminants below established and recommended exposure limits. If this product contains ingredients with exposure limits, monitoring may be required to determine the effectiveness of ventilation and other control measures.

Personal Protection Equipment



Eyes	Safety eyewear is recommended, to avoid chemical splashes and mists.
Hands	Chemical resistant gloves are recommended.
Skin	Not required
Respiratory	Respiratory protection should be worn when there is a potential of inadequate ventilation. If exposure limits are exceeded or symptoms are experienced, use an approved respirator.
Hygiene Measure.	Handle in accordance with good industrial hygiene and safety practice.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Colour	Clear red
Odour	low odor (no added fragrance)
Odour Threshold	Not available
pH	11.5
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	>93°C (ASTM D56)
Flammability	Non Flammable
Upper and Lower	Not available

Explosive Limits	
Vapour Pressure	Not available
Relative Density	0.98 kg/l @ 20°C
Water Solubility	Miscible in water
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	< 20 centipoise @ 20°C
Particle Characteristics	Not available
VOC	60%(as supplied), 2.8%(1:20), 1.9%(1:30), 1.43%(1:40)
Evaporation Rate	less than water

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	Adding water directly to the product may generate heat and cause product to splash. To avoid adverse reaction, always add product to water, do not add water to product.
Conditions to Avoid	Improper order of dilution.
Incompatible Materials	Strong acids and oxidizing agents. Do not mix with other chemicals unless stated on the product label.
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide and nitrogen oxides.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Harmful if swallowed. ATE mix (oral) = 1463 mg/kg
Dermal	Harmful in contact with skin. ATE mix (dermal) = 2326 mg/kg
Inhalation	Harmful if inhaled. ATE mix (inhalation) - 18 mg/l (4 hr/vapour)
Eye	Causes serious eye damage.
Skin	Causes severe skin burns. May cause an allergic skin reaction.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Component Information

Component	LD50 Oral-Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC50 Inhalation- (mg/l)
ethylene glycol monobutyl ether	1300	>2000	guinea pig (1hr), >3.1
benzyl alcohol	1230	2000	rat (8hr), 8.9
monoethanolamine	1515	2504	rat (4hr), > 1.3

Section 12. Ecotoxicological Information

HSNO Classes: 9.1D = Toxic to aquatic life.
9.2B = Toxic to the soil environment.
9.3C = Harmful to terrestrial vertebrates.

Product:	
Persistence and degradability	No data available
Bioaccumulation	No data available
Mobility in Soil	No data available
Other adverse effects	No data available

Section 13. Disposal Considerations

Disposal Method:

Spent media that has removed toxic chemicals should be examined for specific hazards. Spilled product may be recovered for use if it has not come in contact with liquids or been exposed to significant amounts of gaseous contaminants. Dispose of according to Local Regulations.

Ensure any container holding waste product or contaminated spill media is labelled "Hazardous Waste – Corrosive, Ecotoxic" and that the label also has the Corrosive, Ecotoxic Pictogram, waste type identifier, and the business name, address, and phone number.

Precautions or methods to avoid: Do not allow to enter waterways.

Section 14 Transport Information

This product is classified as a Dangerous Good for transport in NZ ; NZS 5433:2012



Road, Rail, Sea and Air Transport

UN No	1760
Class - Primary	8
Packing Group	II
Proper Shipping Name	CORROSIVE LIQUID, N.O.S. (ethanolamine)
Marine Pollutant	No
Special Provisions	If the product's individual container is below 1L. it can be transported as a non-DG as long as the product packaging is still labelled as per DG requirements and the driver is given safety information in accordance with Chapter 3.4 of the UNRTDG.

Section 15 Regulatory Information

This substance is classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

EPA Approval Code: Cleaning Products (Corrosive) – HSR002526

HSNO Classification: 6.1D(oral, dermal, inh), 6.5B, 8.1A, 8.2C, 8.3A, 9.1D, 9.2B, 9.3C

HSW (HS) Regulations 2017 and EPA Notices	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	1000L (8.1A, 8.2C, 8.3A)
Emergency Response Plan	1000L (6.1D)
Secondary Containment	1000L (6.1D)
Restriction of Use	Only use for the intended purpose.

Glossary

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2017 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact the New Zealand distributor, if further information is required.

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