Safety Data Sheet
according to WHS Regulations

Printing date 09.12.2022 Revision: 09.12.2022

1 Identification

Product Name: Power-X

Other Means of Identification: Mixture

Product Code: ET6-50003

Recommended Use of the Chemical and Restriction on Use: Adhesives and/or sealants.

Details of Manufacturer or Importer:
Eurotech Group
72 John Street
Welshpool, WA 6106
Australia

Phone Number: (08) 9350 6161

Emergency telephone number:
Eurotech Group: 1800 30 6161
National Poisons Information Centre: 13 11 26

2 Hazard(s) Identification

Hazardous Nature:
Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.
Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition), IATA and IMDG/IMSBC.

Skin Sensitisation 1 H317 May cause an allergic skin reaction.

Signal Word Warning

Hazard Statements
H317 May cause an allergic skin reaction.

Precautionary Statements
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves.
P302+P352 IF ON SKIN: Wash with plenty of water.
P362+P364 Take off contaminated clothing and wash it before reuse.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P321 Specific treatment (see on this label).
P501 Dispose of contents/container in accordance with local/regional/national regulations.

3 Composition and Information on Ingredients

Chemical Characterization: Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:		
CAS: 2768-02-7	Trimethoxyvinylsilane Skin Sensitisation 1B, H317	1-<3%
CAS: 1760-24-3	N-(3-(trimethoxysilyl)propyl)ethylenediamine Serious Eye Damage/Irritation 1, H318; Acute Toxicity (Inhalation) 4, H332; Skin Sensitisation 1, H317	0.1-<1%

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CAS: 3069-29-2	1,2-Ethanediamine,N-[3-(dimethoxymethylsilyl)propyl]-	0.1-<1%
	Serious Eye Damage/Irritation 1, H318; Skin Sensitisation 1, H317	

4 First Aid Measures

General Information: Small amounts of toxic methanol are formed by hydrolysis and released upon curing.

Inhalation: If inhaled, remove to fresh air. Seek medical attention if breathing problems develop.

Skin Contact:
In case of skin contact, remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:
In case of eye contact, rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion:
If swallowed, do not induce vomiting. Immediately rinse mouth with water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:
Inhalation: May cause respiratory irritation.
Skin Contact: May cause an allergic skin reaction.
Eye Contact: May cause eye irritation.
Ingestion: May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

5 Fire Fighting Measures

Suitable Extinguishing Media:
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Do not use a solid water stream.

Specific Hazards Arising from the Chemical:
Hazardous combustion products include oxides of carbon, nitrogen, and silicon.
Product is not flammable but will burn in a fire.
Containers close to fire should be removed only if safe to do so. Use water spray to cool fire exposed containers.
Minimise run-off from fire fighting measures entering drains or water courses.

Special Protective Equipment and Precautions for Fire Fighters:
When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:
Wear appropriate personal protective equipment. Ensure adequate ventilation.

Environmental Precautions:
In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:
Stop leak if safe to do so and collect the spilled material into a suitable container for disposal. Clean contaminated objects and areas thoroughly.

7 Handling and Storage

Precautions for Safe Handling:
Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours. Use only outdoors or in a well-ventilated area.
Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

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Conditions for Safe Storage:
Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Protect from heat, sparks, open flames and other sources of ignition. Protect from moisture, exposure to air over prolonged periods, and freezing.

8 Exposure Controls and Personal Protection

Exposure Standards:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Engineering Controls: Ensure adequate ventilation of the working area.

Respiratory Protection:
Use an approved respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist, dust, or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:
Neoprene, nitrile, or butyl rubber gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.
Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:
Safety glasses with top and side shields or goggles. See Australian/New Zealand Standards AS/NZS 1336 and 1337 for more information.

9 Physical and Chemical Properties

Appearance:	
Form:	Solid paste
Colour:	White
Odour:	Characteristic
Odour Threshold:	No information available
pH-Value:	No information available
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	>60 °C
Flammability:	Not applicable.
Auto-ignition Temperature:	No information available
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	No information available
Upper:	No information available
Vapour Pressure:	No information available
Density:	1.54 g/cm³
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Product cures with moisture
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	>21 mm²/s (Kinematic)

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10 Stability and Reactivity

Possibility of Hazardous Reactions: No dangerous reactions known under conditions of normal use.

Chemical Stability: Stable at ambient temperature and under normal conditions of storage and use.

Conditions to Avoid:
Protect from heat, sparks, open flames and other sources of ignition. Protect from moisture, exposure to air over prolonged periods, and freezing.

Incompatible Materials: No further relevant information available.

Hazardous Decomposition Products:
Oxides of carbon, nitrogen, and silicon. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

11 Toxicological Information

Toxicity:

LD50/LC50 Values:		
CAS: 2768-02-7 Trimethoxyvinylsilane		
Oral	LD50	7,120-7,236 mg/kg (rat)
Dermal	LD50	3.36 ml/kg (rabbit)
Inhalation	LC50/4 h	16.8 mg/l (rat)
CAS: 1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine		
Oral	LD50	2,995 mg/kg (rat)
	LD50	>2,000 mg/kg (rat)
Inhalation	LC50/4 h	1.49-2.44 mg/l (rat)

Acute Health Effects
Inhalation: May cause respiratory irritation.
Skin: May cause an allergic skin reaction.
Eye: May cause eye irritation.
Ingestion: May cause gastrointestinal irritation, nausea, diarrhoea and vomiting.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

Respiratory or Skin Sensitisation: May cause an allergic skin reaction.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity:
Based on classification principles, the classification criteria are not met.
This product does NOT contain any IARC listed chemicals.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Single Exposure:
Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:
Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects: No information available

Existing Conditions Aggravated by Exposure: No information available

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12 Ecological Information

Ecotoxicity:

Aquatic toxicity:
The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

CAS: 2768-02-7 Trimethoxyvinylsilane	
EC50/48 h	168.7 mg/l (daphnia magna)
LC50/96 h	191 mg/l (rainbow trout)
CAS: 1760-24-3 N-(3-(trimethoxysilyl)propyl)ethylenediamine	
EC50/48 h	81 mg/l (daphnia magna) (OECD 202)
LC50/96 h	597 mg/l (brachydanio rerio)

Persistence and Degradability: No data available on finished product.

Bioaccumulative Potential: No data available on finished product.

Mobility in Soil: No data available on finished product.

Other adverse effects: No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:
Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number Not regulated

Proper Shipping Name Not regulated

Dangerous Goods Class Not regulated

Packing Group: Not regulated

15 Regulatory Information

Australian Inventory of Industrial Chemicals:
All ingredients are listed.

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) - Poison Schedule:
Not a scheduled poison.

16 Other Information

Date of Preparation or Last Revision: 09.12.2022

Prepared by: MSDS.COM.AU Pty Ltd www.msds.com.au

Abbreviations and acronyms:
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
IARC: International Agency for Research on Cancer
STEL: Short Term Exposure Limit
TWA: Time Weighted Average
NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)
Acute Toxicity (Inhalation) 4: Acute toxicity – Category 4
Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1

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Skin Sensitisation 1: Skin sensitisation, Hazard Category 1
Skin Sensitisation 1B: Skin sensitisation, Hazard Category 1B

Disclaimer

This SDS is prepared in accord with the Safe Work Australia document “Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - July 2020”.
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