EnviroChem International (NZ) LTD

SAFETY DATA SHEET

Product Name *Dash Board Reviver*

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	***Dash Board Reviver***
Recommended use:	**Dash Board and Vinyl Interior Cleaner**
Company Details:	**Envirochem International (NZ) ltd**
Address:	59C Allens Road, East Tamaki Auckland. New Zealand
Telephone Number:	+64 9 262 0800
Emergency Telephone Number:	National Poison Information Centre 0800 764 766
Date of Preparation:	01/04/2022

2. HAZARD IDENTIFICATION

Danger

HSNO Hazard Classification: 8.3A

Hazard Statement:
Causes serious eye irritation

Prevention Statements:

- Keep out of reach of children.
- Read label before use.
- Use personal protective equipment as required

Response Statement:

- If medical advice is needed, have product container or label at hand.
- Immediately call a POISON CENTER or doctor/physician.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, continue rinsing

Storage Statement:

- No Storage Statements

Disposal

- Disposal should be through qualified contractor.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS #	Concentration %
Poly(oxy-1,2-ethanediyl), alpha-(2-propylheptyl)-omega-hydroxy	160875-66-1	<10.0
Octamethylcyclotetrasiloxane	556-67-2	<0.1
2-Butenal	4170-30-3	<0.005
Ingredients determined not to be hazardous		Balance

4. FIRST AID MEASURES

Ingestion:

Immediately rinse mouth with water. If swallowed do not induce vomiting. Give water to drink. Never give anything by mouth to an unconscious person. Seek immediate medical aid immediately.

Eye Contact:

Immediately flush eyes with large amounts of water for at least 15 minutes while holding eyelids open. Transport to the nearest medical facility for additional treatment. Do not rub eyes or keep eyes closed

Skin Contact:

Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available.

Inhalation:

Remove the effected person out to a ventilated area. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention.

5. FIRE FIGHTING MEASURE

Extinguishing Media:

Use dry chemical powder, foam, polymer foam, and water spray or fog type extinguishers. Water may be ineffective on fire. However, water spray may be used to extinguish fires and to absorb heat. Keep containers cool and protect exposed material. If a leak or spill has not ignited, water spray may be used to flush spills away from exposures.

Hazards from combustion products:

Under fire conditions this product may emit toxic and/or irritating fumes, and gases including carbon monoxide, carbon dioxide, oxides of nitrogen, silicone oxides and formaldehyde.

Specific Hazards Arising from The Chemical

This product will burn if exposed to fire

Decomposition Temperature

Not Available

Precautions in Connection with Fire

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Use water spray to disperse vapours. This product should be prevented from entering drains and watercourses.

6. ACCIDENTAL RELEASE MEASURES

Emergency Precautions:

Personnel involved in the clean up should wear full protective clothing. Extinguish or remove all sources of ignition. Evacuate all unnecessary personnel. Increase ventilation. Avoid walking through spilled product as it may slippery. Stop leak if safe to do so. Do not let product reach drain or waterways; advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment.

Methods and Materials for Containment and Clean Up:

Soak up spilled product using inert absorbent, non-combustible material such as sand or soil. Avoid using sawdust or cellulose. When saturated, collect material into suitable, labelled, dry, sealable containers and hold for safe disposal. Use clean non-sparking tools to collect the material and place in labelled containers. Once pick-up is complete, flush spill site with plenty of water to eliminate any residue. Hold contaminated water for treatment/disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

Avoid inhalation of vapours and mists, and skin or eye contact. Use only in a well-ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Do not use near ignition sources. Do not pressurise, cut, heat or weld containers as they may contains hazardous residues. Maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or using toilet facilities

Conditions for safe storage, including any incompatibilities:

Store in a cool, dry, well-ventilated area away from sources of ignition, Oxidising agents, strong acids, foodstuffs and clothing. Keep containers closed when not in use, securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks. Have appropriate fire extinguishers available in and near the storage area. Take precautions against static electricity charges. Use proper grounding procedures. Ensure that storage conditions comply with applicable local and national regulations.

For information on the design of the storeroom, reference should be made to Australian Standard AS1940 – The storage and handling of flammable and combustible liquids.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards:

Substance	Regulations	Exposure Duration	Exposure Limit	Units
2-Butenal	NZ OELs List	TWA	2	ppm
2-Butenal	NZ OELs List	TWA	5.7	mg/m^3

Biological Limit Values:

No biological limits allocated

Engineering Controls:

The use of local exhaust ventilation (Flame Proof) is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces. Use explosion proof ventilation equipment

PERSONAL PROTECTIVE EQUIPMENT:

Respiratory Protection:

Where concentration in air may exceed the limits described in the National Exposure Standards, it is recommended to use a half face filter mask to protect from overexposure by inhalation. A type "A" filter material is considered suitable for this product.

Eye Protection:

Always use safety glasses or a face shield when handling this product.

Skin/Body Protection:

Always wear long sleeves and long trousers or coveralls, enclosed footwear or safety boots and chemical resistant gloves when manufacturing this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White
Physical State:	Liquid
Odour:	Odourless
Decomposition temperature	Not Available
Melting Point:	Not Available
Boiling point:	>65
pH:	7.0
Solubility in Water:	Not Available
Specific Gravity	1
Vapour pressure:	Not Available
Vapour Density:	Not Available
Evaporation Rate:	Not Available
Ignition Point:	Not Applicable
Flash Point:	>100 Degrees C (Closed Cup)
Dynamic Viscosity	1000 mm^2/s

10. STABILITY AND REACTIVITY

Chemical Stability:

Stable under normal condition of storage and handling

Conditions to avoid:

Avoid heat, open flame and other sources of ignition.

Incompatible Materials:

Strong Oxidising agents

Hazardous decomposition:

Thermal decomposition may result in the release of toxic and/or irritating fumes including: carbon dioxide, carbon monoxide, silicon oxides and formaldehyde.

Possibility of hazardous reactions:

Can react with strong oxidizing agents, when heated to temperatures above 150 degrees C in the presence of air, product can form formaldehyde vapours. Safe handling conditions may be maintained by keeping vapour concentrations within the occupational exposure limit for formaldehyde. Hazardous decomposition products will be formed at elevated temperatures.

11. TOXICOLOGICAL INFORMATION

Acute Effects

Ingestion:

Small amounts of liquid aspirated into lungs during ingestion, or from vomiting. Ingestion of large amounts of this product will result in headaches, nausea, dizziness and tracheal burning.

Eye Contact:

Causes serious eye irritation. On eye contact this product will cause tearing, stinging, blurred vision and redness.

Skin Contact:

This product is irritating to skin. Skin contact will cause redness, itching and swelling. Repeated exposure may cause skin dryness ad cracking and may lead to dermatitis

Inhalation:

Irritating to respiratory tract. Exposure to high concentrations over an extended period of time may result in muscle weakness, tingling in hands and feet, blurred vision, headaches, nausea, loss of appetite, hallucinations and possible loss of consciousness.

Toxicological information

Acute Toxicity-Oral

Acute Toxicity estimate: >2000 mg/kg
Method: Calculation method

Poly(oxy-1,2-ethanediyl), alpha-(2-propylheptyl)-omega-hydroxy-:
LD50 (rat): >500 mg/kg
Remarks: based on data from similar materials

Octamethylcyclotetrasiloxane:
LD50 (rat): >4,800 mg/kg
Assessment: the substance or mixture has no acute oral toxicity
Remarks: based on test data

Acute Toxicity- Inhalation

Octamethylcyclotetrasiloxane:
LD50 (rat): 2975 ppm/4h
Test atmosphere: vapor
Assessment: the substance or mixture has no acute dermal toxicity
Remarks: based on test data

Acute Toxicity- Dermal
Octamethylcyclotetrasiloxane:
LD50 (rabbit): >2.5ml/kg
Assessment: the substance or mixture has no acute dermal toxicity
Remarks: based on test data

12. ECOLOGICAL INFORMATION

Persistence and degradability:
Poly(oxy-1,2-ethanediyl), alpha-(2-propylheptyl)-omega-hydroxy-:

Biodegradability: Readily biodegradable.

Octamethycyclotetrasiloxane:

Biodegradability: Not readily biodegradable
Biodegradation: 3.7%
Exposure Time: 28 days
Method: OECD Test Guideline 310

Stability in water:
Degradation half-life: 69.3-144h (24.6 deg C). pH: 7
Method: OECD Test Guideline 111

Mobility:
Not available

Bio accumulative Potential:
Octamethycyclotetrasiloxane:

Partition coefficient n-octanol/water: log Pow: 6.48 (25.1 deg C)

Other Adverse Effects
Not Available

Environmental Protection
Prevent this material from entering into waterways, drains and sewers.

13. DISPOSAL COSIDERATIONS

Disposal Methods:
Dispose of waste according to applicable local and national regulations. Labels should not be removed from containers until they have been cleaned. Advise flammable nature.
Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain fumes and vapours that are flammable and harmful.

Special precautions for landfill of incineration:
This product is not suitable for disposal by either landfill or via municipal sewers, drain, natural streams or rivers. This product is ash less and can be burned directly in appropriate equipment.

14. TRANSPORT INFORMATION

Road and Rail Transport:
Not Classified as Dangerous Goods by the criteria of New Zealand Dangerous Goods Code for transport by road and rail

Marine Transport:
Not Classified as Dangerous Goods by the criteria of international Maritime Dangerous Goods Code for transport by sea.

Air Transport:
Not Classified as Dangerous Goods by the criteria of international Air Association Dangerous Goods Regulations for transport by air

Shipping Name:	Not Applicable
Hazard Class:	Not Applicable
UN Number:	Not Applicable
Packing Group:	Not Applicable
Hazchem Code:	Not Applicable

15. REGULATORY INFORMATION

HSNO Approval No:	HSR002658
Group Standard:	Surface Coatings and Colourants (Corrosive) Group Standard 2006
HSNO Classification:	8.3A

16. OTHER INFORMATION

New Zealand National Poison Information Centre:	0800 764 766
New Zealand Emergency Services:	111
Envirochem International (NZ) ltd :	+64 9 262 0800

Every endeavour has been made to ensure that the information contained in this publication is reliable and offered in good faith. It is meant to describe the safety requirements of our products and should not be construed as guaranteeing specific properties. Customers are encouraged to conduct their own tests as end user suitability of the product for particular uses is beyond our control. The information is not intended as an inducement to bargain and no warranty expressed or implied is made as to its accuracy, reliability or completeness. Envirochem International (NZ) Limited accepts no liability for loss, injury or damage arising from reliance upon the information contained in this data sheet except in conjunction with the proper use of the product to which it refers. Due care should be taken that the use and disposal of this product is in compliance with appropriate Local Councils regulations.