

3. Composition/information on ingredients**Chemical Characterization** Aqueous blend of surfactants and alkalis.**Hazardous ingredients**

<u>Name</u>	<u>CAS no.</u>	<u>Proportion</u>	<u>Hazard symbol</u>	<u>Risk phrase</u>
Sodium hydroxide	1310-73-2	LOW	C	R36/38
Butyl Glycol Ether	111-76-2	LOW		

KEY: Proportion, (wt %) - V HIGH >60, HIGH 30 - 60, MED 10 -29, LOW 1-9, V LOW <1

Non hazardous proprietary ingredients to 100%

4. First-aid measures

Ingestion:	Rinse mouth with water. Never give anything by mouth to an unconscious person. Consult a physician.
Skin:	Wash off with soap and plenty of water. Consult a physician.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
First Aid Facilities	Maintain eyewash fountain and safety shower in work area.
Advice to Doctor	Treat symptomatically. Consult Poisons Information Centre
Other Information	For advice, contact the National Poisons Information Centre (Phone Australia 13 11 26 and New Zealand 0800 764 766) or a doctor.

5. Fire-fighting measures

Hazards from Combustion Products	No data available.
Suitable extinguishing media	Use extinguishing media most appropriate for the surrounding fire such as water, foam or dry agent (carbon dioxide, dry chemical powder). If safe to do so, move undamaged containers from the fire area. If a significant quantity (>200L) of this product is involved in a fire, call the fire brigade.
Specific hazards arising from the chemical	There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. This product is likely to decompose only after heating to dryness, followed by further strong heating.
Precautions in connection with fire	Wear SCBA and chemical splash suit. Fully encapsulating, gas-tight suits should be worn for maximum protection.

6. Accidental release measures

Personal Precautions	Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.
Personal Protection	Wear protective clothing specified for normal operations (see Section 8)
Clean-up Methods- Small Spillages	Minor spills do not require special clean up measures or emergency procedures. Wear recommended personal protective equipment outlined in Section 8 when containing any spillage.
Large Spillages	Seek expert advice on handling and disposal.
Environmental Precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains or waterways.

7. Handling and storage

Precautions for Safe Handling	Product is safe to handle under normal conditions of use.
Risk Phrases	R36/38 Irritating to eyes and skin.
Conditions for safe storage	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Incompatible products	None known
Incompatible materials	None known

8. Exposure controls/personal protection

Occupational exposure limit values

<u>Name</u>	<u>STEL</u>		<u>TWA</u>		<u>Footnote</u>
	<u>mg/m3</u>	<u>ppm</u>	<u>mg/m3</u>	<u>ppm</u>	
Sodium hydroxide	2		2		Peak limitation
Butyl Glycol Ether	242		97		

The Peak Limitation is a ceiling concentration which should not be exceeded over a measurement period which should be as short as possible but not exceeding 15 minutes. The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week.

Appropriate engineering Controls

In industrial situations maintain the concentrations values below the TWA.

Personal Protective Equipment

Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.

Respiratory Protection

Where ventilation is not adequate, respiratory protection may be required. Avoid breathing vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - *Selection, Use and Maintenance of Respiratory Protective Devices*. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-face piece SCBA should be used. The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.

Eye Protection**Hand Protection**

Avoid skin contact when removing gloves from hands, do not touch the gloves outer surface. Hand protection should comply with AS 2161, *Occupational protective gloves - Selection, use and maintenance*.

Footwear

Recommendation: Nitrile rubber gloves.

Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, *Occupational protective footwear - Guide to selection, care and use*.

Body Protection

Clean clothing or protective clothing should be worn, preferably with and apron. Clothing for protection against chemicals should comply with AS 3765 *Clothing for Protection Against Hazardous Chemicals*.

Hygiene Measures

Do not eat, drink or smoke in work areas. Wash hands thoroughly after handling this material. Maintain good housekeeping.

9. Physical and chemical properties

Appearance	Thin, red-coloured liquid.
Odour	Characteristic
Melting Point	~0 °C
Boiling Point	~100°C
Flash point	Not applicable
Vapour Pressure	Not determined
Solubility	Miscible in water in all proportions
Specific Gravity	1.02 g/cm ³ @ 20 °C
pH	11.5 – 12.5 as supplied
Viscosity	Not determined
Percent volatile	> 85 %
Flammability	Non flammable

10. Stability and reactivity

Chemical Stability	Stable under normal conditions of use.
Conditions to Avoid	No special conditions. Refer to storage conditions in Section 7.
Incompatible Materials	Acids.
Hazardous Decomposition products	Not available.
Possibility of hazardous reactions	Not determined.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Acute toxicity:	No known significant effects or hazards.
STOT, Specific Target Organ Toxicity (repeated exposure):	No known significant effects or hazards.
Health effects from the likely routes of exposure:	
Inhalation	Irritant to the throat and nose.
Skin	Corrosive to the skin.
Eye	Corrosive to the eyes.
Ingestion	May result in irritation to the gastrointestinal tract. Harmful if swallowed.

12. Ecological information

Ecotoxicity	No data available. Harmful to aquatic organisms due to product's pH.
Persistence and degradability	No data available. Major components are biodegradable.

13. Disposal considerations

Disposal Considerations	Avoid release of product to the environment. Product and containers are suitable for landfill. Containers should be emptied as completely as practical before disposal. Check with Waste Disposal Authority before disposal.
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14. Transport information

U.N. Number	None allocated	NOT classified as a Dangerous Good.
UN proper shipping name	None allocated	
Transport hazard class	None allocated	
Hazchem Code	None allocated	
Packing Group	None allocated	

15. Regulatory information

Regulatory Information	Ingredients listed in the Australian Inventory of Chemical Substances (AICS).
Poisons Schedule	None allocated

16. Other Information

Date of preparation or last revision of SDS - 1/03/2020

Reason for issue: Format change

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THIS PRODUCT AND HOW TO SAFELY USE THIS PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE. IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS