

# SAFETY DATA SHEET

## SECTION 1 – STATEMENT OF CHEMICAL PRODUCT AND COMPANY IDENTIFICATION


<b>SUPPLIER:</b>	GLEAM-IT PRODUCTS Pty Ltd		
<b>ADDRESS:</b>	Unit 4, 12 Commercial Drive, Ashmore, Qld 4214 Australia.		
<b>Trade Name:</b>	<b>ASSASSIN</b>		
<b>TELEPHONE:</b>	(07) 5531 1544	<b>FAX:</b>	(07) 5591 1800
<b>AH EMERGENCY TELEPHONE:</b>	13 1126 in Australia	<b>ABN:</b>	87 109 574 521
<b>Substance:</b>	Water based degreaser	<b>Product Use:</b>	Heavy duty cleaner and degreaser
<b>Creation Date:</b>	March 2021	<b>Revision Date:</b>	March 2026
<b>Product Code:</b>			

## SECTION 2 – HAZARDS IDENTIFICATION

### Classification of the substance or mixture

- ✓ This product is classified as **HAZARDOUS** according to criteria of Safe Work Australia.
- ✓ The product is a **DANGEROUS GOOD** according to the Australian Dangerous Goods (ADG) Code.
- ✓ The product is a **Scheduled Poison** according to the SUSMP.
- ✓ The product is classified as **Dangerous** according to GHS.

### GHS - GLOBALLY HARMONISED SYSTEM

<b>GHS Classification</b>	Skin Corrosion - Category 1C Eye Damage - Category 1 Corrosive to metals – Category 1
<b>GHS Pictogram</b>	
<b>GHS Signal Word</b>	<b>DANGER</b>

### Hazard statement(s)

<b>H314</b>	Causes severe skin burns and eye damage.
<b>H318</b>	Causes serious eye damage.
<b>H290</b>	May be corrosive to metals.

### Precautionary statement(s): General

<b>P101</b>	If medical advice is needed, have product container or label at hand.
<b>P102</b>	Keep out of reach of children.
<b>P103</b>	Read label before use.

### Precautionary statement(s): Prevention

<b>P234</b>	Keep only in original container.
<b>P260</b>	Do not breath spray.
<b>P264</b>	Wash thoroughly after handling.
<b>P280</b>	Wear protective clothing.

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## Precautionary statement(s): Response

<b>P301+P330+P331</b>	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
<b>P303+P361+P353</b>	IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water.
<b>P304+P340</b>	If INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>P305+P351+P338</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>P363</b>	Wash contaminated clothing before use.
<b>P310</b>	Immediately call a POISON CENTRE or doctor.
<b>P321</b>	Specific treatment (see First Aid Measures on Safety Data Sheet)
<b>P390</b>	Absorb spillage to prevent material damage.

## Precautionary statement(s): Storage

<b>P405</b>	Store locked up.
<b>P406</b>	Store in corrosive resistant container with a resistant inner liner.

## Precautionary statement(s): Disposal

<b>P501</b>	Dispose of contents/ container in accordance with local regulations.
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## Note

<b>IMPORTANT</b>	This SDS and the Hazard Classifications contained therein, only apply to the product in its concentrated form, as supplied. When diluted to 1:5 or greater they no longer apply. However, good hygiene and housekeeping practices should be adhered to.
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## ADG CODE DANGEROUS GOODS

<b>UN Number</b>	1760	<b>ADG Classification</b>	8
<b>Shipping Name</b>	CORROSIVE LIQUID N.O.S. (contains Sodium Hydroxide and Sodium Metasilicate)	<b>ADG Subsidiary Risk</b>	none allocated
<b>Hazchem Code</b>	2X	<b>Packing Group</b>	III

## POISON SCHEDULES

<b>SUSMP Classification</b>	S5 (Sodium Hydroxide)
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## EMERGENCY OVERVIEW

<b>Colour</b>	<b>Transparent Fluoro Green</b>	<b>Odour</b>	Characteristic Odour
<b>Physical Description</b>	Liquid	<b>Viscosity</b>	Non-viscous
<b>Major Health Hazards</b>	None known		
<b>Note</b>			

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## SECTION 3 – COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients:	CAS Number:	Proportion:
Sodium hydroxide	1310-73-2	< 10% w/w
Sodium metasilicate	6834-92-0	< 10% w/w
Ethylene glycol monobutyl ether	111-76-2	< 10% w/w
Ingredients determined to be non-hazardous at the concentrations used	various	To 100% w/w

## SECTION 4 – FIRST AID MEASURES

<b>Scheduled Poisons</b>	Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. (Phone Australia 131126 or New Zealand 0800 764 766).
<b>First Aid Facilities Required</b>	Eye wash station. Showering facility. Normal washroom facilities.
<b>Inhalation</b>	Remove victim to fresh air away from exposure. Obtain medical attention if symptoms occur.
<b>Skin contact</b>	Immediately wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use. Seek medical advice (e.g. doctor) if irritation, burning or redness persists.
<b>Eye contact</b>	Immediately irrigate with copious quantities of water for at least 20 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Immediately seek medical advice (e.g. ophthalmologist) even if there are no visible injuries.
<b>Ingestion</b>	Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. Rinse mouth thoroughly with water immediately. Give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice (e.g. doctor) immediately. If quantity is significant transport to hospital.
<b>Advice to Doctor</b>	Treat symptomatically. All treatments should be based on observed signs and symptoms of distress of the patient. Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons.

## SECTION 5 – FIRE FIGHTING MEASURES

<b>Fire and Explosion Hazards</b>	Non flammable liquid. However, on evaporation of the aqueous component, the residual material may burn.
<b>Extinguishing Media</b>	Use an extinguishing media suitable for surrounding fires.
<b>Fire Fighting</b>	Keep containers exposed to extreme heat cool with water spray. Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of combustion or decomposition.
<b>Flash Point</b>	None

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## SECTION 6 – ACCIDENTAL RELEASE MEASURES






<b>Emergency Procedures</b>	<p>HAZCHEM CODE : 2X</p> <p>2 = water fog – in the absence of fog, a fine spray may be used.</p> <p>X = No risk of violent explosion, Full protective clothing, Contain.</p> <ul style="list-style-type: none"><li>• Shut off engine and electrical equipment and leave off.</li><li>• Move people from immediate area; keep upwind.</li><li>• Consider initial evacuation distance of 100 metres in all directions.</li><li>• Stop leak if safe to do so.</li><li>• Send messenger to notify fire brigade and police.</li><li>• Tell them location, material quantity, UN number and emergency contact.</li><li>• Indicate condition of vehicle and damage or injuries observed.</li><li>• Warn other traffic.</li></ul>
<b>Occupational Release</b>	<p>Minor spills do not normally need any special clean-up measures.</p> <p>In the event of a major spill, prevent spillage from entering drains or water courses. Wear appropriate protective equipment as in section 8 below to prevent skin and eye contamination and inhalation of vapours or mists. Spilt material may result in a slip hazard and should be absorbed into dry, inert material (e.g. sand, earth or vermiculite), which then can be put into appropriately labelled drums for disposal by an approved agent according to local conditions. Flush spill area with water. Residual deposits will remain slippery. If contamination of sewers or waterways has occurred advise the local emergency services. In the event of a spillage notify the local environment protection authority or emergency services.</p>

## SECTION 7 – HANDLING AND STORAGE

<b>Handling</b>	<p>Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Avoid contact with incompatible materials (eg acids). When handling, DO NOT eat, drink or smoke. Keep containers closed at all times. Avoid physical damage to containers. Always wash hands with soap and water after handling. Work clothes should be laundered. Launder contaminated clothing before re-use.</p>
<b>Storage</b>	<p>Store in a cool, dry, place with good ventilation. Avoid storing in aluminium and light alloy containers. Store away from acids. Keep containers closed at all times – check regularly for leaks. This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.</p>

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## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Exposure Limits</b>	<p>National Occupational Exposure Limits, as published by Safe Work Australia:</p> <p><b>Time-weighted Average (TWA):</b> None established for product. TWA for sodium hydroxide is 2 mg/m<sup>3</sup> “Peak” Peak STEL 2 mg/m<sup>3</sup>. TWA for ethylene glycol mono butyl ether is 25ppm (121 mg/m<sup>3</sup>) Skin notation. Skin notation indicates that vapour and liquid may be absorbed through intact skin. Absorption by skin may readily exceed vapour inhalation exposure.</p> <p><b>Short Term Exposure Limit (STEL):</b> None established for product. STEL for sodium hydroxide is peak limitation.</p>
<b>Ventilation</b>	<p>Use only in a well-ventilated area. Ensure airflow, where this product is used, is directed away from the operators. Ensure ventilation is adequate to maintain air concentrations below exposure standards.</p>
<b>Personal Protective Equipment</b>	<p>Use good occupational work practice. The use of protective clothing and equipment depends upon the degree and nature of exposure. The following protective equipment should be available;</p>
<b>Eye Protection</b> 	<p>The use of face shields, chemical goggles, or safety glasses with side shield protection is recommended. Contact lenses pose a special hazard ; soft lenses may absorb irritants and all lenses concentrate them.</p>
<b>Skin Protection</b>   	<p>Wear overalls, boots and impervious gloves (as per AS/NZS 2161, or as recommended by supplier).</p>
<b>Protective Material Types</b>	<p>Material suitable for alkali detergent contact – Butyl rubber, Natural Latex, Neoprene, PVC, and Nitrile.</p>
<b>Respirator</b> 	<p>Not required for normal cleaning operations with adequate ventilation. Where high contaminant spray mist or vapour levels exist, ie, approaching the exposure limit, the following additional equipment is required: For short elevated exposures, eg, spillages:- Appropriate organic vapour cartridge respirator as per the requirements of AS/NZS 1715 and AS/NZS 1716 (Respiratory protective devices). For prolonged exposure and confined spaces:- full face air supplied or self contained breathing apparatus (if vapour levels exceed the Exposure Limit by more than ten times, air supplied apparatus should be used).</p>

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## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid.
Colour	Caramel
Odour	characteristic odour
Boiling Point	BP: Ca 100 °C.
Freezing Point	Not available.
Vapour Pressure	Not available.
Vapour Density	Not available.
Specific Gravity	Ca 1.02.
Water Solubility	Miscible in all proportions.
pH	> 13.
Volatile Organic Compounds (VOC) Content	Ca 2 % v/v.
Per Cent Volatile	Ca 90 % v/v.
Viscosity	Not available.
Odour Threshold	Not available.
Evaporation Rate	Not available.
Coefficient of Water/Oil Distribution	Not available.

## SECTION 10 – STABILITY AND REACTIVITY

Reactivity	Stable at normal temperatures and pressure.
Conditions to Avoid	Avoid contact with incompatible materials such as acids, non-ferrous metals (e.g. Aluminium, Zinc or Tin) and their alloys.
Incompatibilities	Acids or non-ferrous metals (e.g. Aluminium, Zinc or Tin) and their alloys.
Hazardous Decomposition	Attacks many reactive metals (aluminium/magnesium/zinc alloys) releasing highly flammable gas (hydrogen) which generates fire or explosion hazards. Reacts slowly with ambient air (particularly carbon dioxide) which may cause certain insoluble salts to form in solutions. In the presence of acids, exothermic (heat producing) reaction may occur. Product can decompose on combustion to form Silica, Carbon Monoxide, Carbon Dioxide, and other possibly toxic gases and vapours on burning.

## SECTION 11 – TOXICOLOGICAL INFORMATION

Local Effects	Corrosive: skin, eye, inhalation (of aerosol) and ingestion.
Target Organs	Skin, mucous membranes, blood, kidneys, central nervous system.
<b>POTENTIAL HEALTH EFFECTS</b>	
No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:	
Inhalation	
short term exposure	Aerosols of this product containing ingredient Sodium Hydroxide are corrosive to the respiratory system. Aerosols of this product containing ingredient ethylene glycol monobutyl ether may cause central nervous system effects if inhaled.
long term exposure	Possible red blood cell changes (moderate exposure), kidney or liver damage (high exposure).

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<b>Skin contact</b>	
<b>short term exposure</b>	This product containing ingredient Sodium Hydroxide may cause burns to the skin. Skin contact with this product containing ingredient ethylene glycol monobutyl ether may cause central nervous system effects.
<b>long term exposure</b>	Prolonged skin contact with this product containing ingredient Sodium Hydroxide may induce eczematoid dermatitis.
<b>Eye contact</b>	
<b>short term exposure</b>	This product containing ingredient Sodium Hydroxide may cause burns to the eye.
<b>long term exposure</b>	Not known.
<b>Ingestion</b>	
<b>short term exposure</b>	This product containing ingredient Sodium Hydroxide may cause burning to the mouth, throat, gastrointestinal tract on ingestion. This product containing ethylene glycol mono butyl ether may cause headache, dizziness, light-headedness, confusion, and passing out, and may damage the liver and kidneys on ingestion.
<b>long term exposure</b>	Not known.
<b>Carcinogen Status</b>	
<b>SWA</b>	No significant ingredient is classified as carcinogenic by SWA.
<b>NTP</b>	No significant ingredient is classified as carcinogenic by NTP.
<b>IARC</b>	No significant ingredient is classified as carcinogenic by IARC.

## SECTION 12 – ECOLOGICAL INFORMATION

<b>General</b>	Harmful to aquatic life due to high pH. No single ingredient recognised as environmental pollutant. Product miscible in all proportions with water. AS WITH ANY CHEMICAL PRODUCT, DO NOT DISCHARGE INTO DRAINS, WATERWAYS, SEWER OR ENVIRONMENT. Inform local authorities if this occurs.
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### Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
Sodium hydroxide	Not available.	Not available

### Bio accumulative potential

Ingredient	Bioaccumulation
Non-ionic surfactants	No bioaccumulation is expected.

### Mobility in soil

Ingredient	Mobility
Non-ionic surfactants	Due to its physico-chemical characteristics, highly mobile in the environment and will partition to the aquatic compartment.

## SECTION 13 – DISPOSAL CONSIDERATIONS

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Refer to State Land Waste Management Authority. Transfer product residues to a labelled, sealed container for disposal or recovery. Waste disposal must be by an accredited contractor. Do not put down the drain. Basic solution – neutralise before disposal if large volumes, otherwise dilute with large volumes of water.

## SECTION 14 – TRANSPORT INFORMATION

### Labels Required

ADG	
Marine Pollutant	No
HAZCHEM	2X

### Land Transport (ADG)

UN Number	1760
ADG Code	8 (CORROSIVE LIQUID N.O.S. (contains sodium hydroxide and sodium metasilicate))
HAZCHEM Code	2X
Special Provisions	SP 184
Packing Group	III
Packaging Method	3.8.8.
Segregation	Class 8 – Corrosives shall not be loaded in the same vehicle or packed in the same freight container with: Class 1 – Explosives Class 4.3 – Dangerous when wet substances Class 5.1 – Oxidising agents Class 5.2 – Organic peroxides Class 7 – Radioactive substances Class 8 – strong acids only Foodstuff and foodstuff empties

## SECTION 15 – REGULATORY INFORMATION

### Labeling Details

GHS Classification	Skin Corrosion - Category 1C Eye Damage - Category 1 Corrosive to metals – Category 1
SUSMP	S5 POISON (SODIUM HYDROXIDE)
ADG Code	8
AICS	All ingredients present on AICS.

## SECTION 16 – OTHER INFORMATION



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<b>Issue Date</b>	March 2021
<b>Version Number</b>	V 3.0 (Regular Review)
<b>Abbreviations and acronyms</b>	<p><b>ADG Code:</b> Australian Code for the Transport of Dangerous Goods by Road and Rail.</p> <p><b>AICS:</b> Australian Inventory of Chemical Substances.</p> <p><b>CAS Number:</b> Chemical Abstracts Service Registry Number.</p> <p><b>GHS:</b> Globally Harmonized System of Classification and Labelling of Chemicals</p> <p><b>HAZCHEM:</b> An emergency action code of numbers and letters which gives information to emergency services.</p> <p><b>HSIS:</b> Hazardous Substances Information System</p> <p><b>IARC:</b> International Agency for Research on Cancer.</p> <p><b>NTP:</b> National Toxicology Program (USA).</p> <p><b>SDS:</b> Safety Data Sheet</p> <p><b>STEL:</b> Short Term Exposure Limit.</p> <p><b>SUSMP:</b> Standard for the Uniform Scheduling of Medicines and Poisons.</p> <p><b>SWA:</b> Safe Work Australia.</p> <p><b>TWA:</b> Time Weighted Average.</p> <p><b>UN Number:</b> United Nations Number.</p>

<b>Literature references</b>	<p>Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice</p> <p>GHS Hazardous Chemical Information List</p> <p>Guidance on the Classification of Hazardous Chemicals under the WHS Regulations.</p> <p>Global Harmonized System of Classification and Labelling of Chemicals (GHS).</p> <p>List of Designated Hazardous Substances</p> <p>Australian Code for the Transport of Dangerous Goods by Road and Rail – 7th Edition.</p> <p>Standard for the Uniform Scheduling of Medicines and Poisons</p> <p>Safety Data Sheets – individual raw materials – Suppliers.</p> <p>Approved Criteria for Classifying Hazardous Substances</p>
<b>Disclaimer</b>	<p>This MSDS summarizes at the date of issue our best knowledge of the health and safety hazard information of this product, and in particular how to safely handle and use this product in the workplace. Since the supplier cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this supplier.</p>
<b>Note</b>	<p>Safety Data Sheets are updated frequently.</p> <p>Please ensure that you have a current copy.</p>
<b>Copyright</b>	<p>This document is copyright.</p>

**End of SDS**