

Infosafe No™ VARF7	Issue Date : November 2016	ISSUED by HUNTERST
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Product Name **HT 84**

1. Identification

GHS Product Identifier HT 84

Company Name Hunters Products (TAS) Pty. Ltd. (ABN 004 601 263)

Address 60 Gleadow Street INVERMAY
TAS 7248 Australia

Telephone/Fax Number Tel: 03 6331 4755
Fax: 03 6334 1065

Emergency phone number 0407 610 542

Recommended use of the chemical and restrictions on use Heavy duty grease remover. Also used to remove rust, heat treat scale, smut and oil, to strip paint, enamels and phosphate coatings.

2. Hazard Identification

GHS classification of the substance/mixture Skin Corrosion/Irritation: Category 1A

Signal Word (s) DANGER

Hazard Statement (s) H314 Causes severe skin burns and eye damage.

Precautionary statement – General P102 Keep out of reach of children.
P103 Read label before use.

Pictogram (s) Corrosion



Precautionary statement – Prevention P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P264 Wash contaminated skin thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician.
P363 Wash contaminated clothing before reuse.

Precautionary statement – Storage P405 Store locked up.

Precautionary statement – Disposal P501 Dispose of contents/container in accordance with local regulations.

3. Composition/information on ingredients

Ingredients	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Other ingredients determined not to be hazardous	N/A	10-30 %
	Sodium hydroxide	1310-73-2	>60%
	Surfactants	N/A	<10%

4. First-aid measures

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Inhalation	Remove from exposure, rest and keep warm. Unless exposure has been slight, obtain medical attention.
Ingestion	If swallowed, do NOT induce vomiting. Give a glass of water to be taken slowly.
Skin	If skin contact occurs, remove contaminated clothing and wash skin thoroughly. Wash clothing before re-use.
Eye contact	If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.
First Aid Facilities	Eye wash. Hand wash basin. Emergency shower.
Advice to Doctor	Product is about 70 % sodium hydroxide. Corrosive to skin and eyes. If swallowed, may cause holes in stomach and intestines. Gastric lavage may be contra-indicated. Contact Poisons Information Centre.

5. Fire-fighting measures

Suitable extinguishing media	Water fog or fine water spray.
Specific Methods	In case of small fire/explosion use water. In case of major emergency use PPE: breathing apparatus and protective gloves.
Specific hazards arising from the chemical	Not flammable. Contact with aluminium, tin, zinc or galvanised iron may generate hydrogen, a flammable gas. Will react vigorously or violently with acids, generating much heat, and giving off carbon dioxide, a simple asphyxiant. Contact with ammonium compounds will generate ammonia, a poisonous gas.
Hazchem Code	2X

6. Accidental release measures

Spills & Disposal	Contain all spills. Collect and seal in properly labeled containers for disposal. Large spills should be contained with absorbent and removed to drums for disposal. Remove in accordance with local waste management authority.
Personal Protection	Wear protective clothing to prevent eye and skin contamination. Ensure an eye bath and safety shower is available. Operators are recommended to wear full protective clothing, glasses, gloves, apron etc. including footwear.
Environmental Precautions	Prevent spills from entering drains and waterways. Contact local emergency services if contamination of sewers or waterways occurs.

7. Handling and storage

Precautions for Safe Handling	Handle according to good manufacturing and industrial hygiene practices. Do not drink, eat or smoke while handling. Respect good personal hygiene.
Conditions for safe storage, including any incompatibilities	Store in a cool, dry, well ventilated place, out of reach of children. Large quantities should be stored in a dangerous goods store. Store in original container. Keep container tightly closed. Keep container dry. Keep away from acids, aluminium, tin, zinc and galvanised iron. Protect from physical damage. Clean up all spills promptly; avoid secondary accidents.
Unsuitable Materials	Store away from acids. Hydrogen gas is generated when undiluted material contacts aluminium, zinc or tin.

8. Exposure controls/personal protection

Occupational exposure limit values	<u>Name</u>	STEL		TWA		<u>Footnote</u>
		<u>mg/m3</u>	<u>ppm</u>	<u>mg/m3</u>	<u>ppm</u>	
	Sodium hydroxide			2		Peak limitation
Appropriate engineering controls	Do not use aluminium, tin, zinc or galvanised iron as materials of construction. Use in a well ventilated area. If ventilation is insufficient use a corrosive - resistant ventilation system separate from other exhaust systems. Engineering control methods to reduce hazards are preferred.					
Personal Protective Equipment	Avoid contact with skin and eyes. Avoid breathing dusts or aerosols. Personal protection to be selected from those recommended below, as					

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appropriate to mode of use, quantity handled and degree of hazard:-

Normal Use:

Eye/face protection
Gloves, rubber or plastic.

Industrial Quantities:

Self contained breathing apparatus
Face shield or safety glasses
Gloves, rubber or plastic
Plastic apron, sleeves and boots
Impervious overalls.

Always maintain a high level of personal hygiene when using cleaning chemicals. That is wash hands before eating, drinking, smoking or using the toilet.

9. Physical and chemical properties

Form	Solid
Appearance	White granular powder.
Odour	Odourless.
Melting Point	No data.
Solubility in Water	Soluble in water with generation of heat.
pH	pH 1% solution: 12.5-13.5
Vapour Pressure	None
Flash Point	None.
Flammability	Not flammable. Contact with aluminium, tin, zinc or galvanised iron may generate hydrogen, a flammable gas.
Other Information	Highly alkaline, will react violently with acids. Hygroscopic, will absorb moisture from the air. Will absorb carbon dioxide from the air, forming a coating of sodium carbonate. Will get hot when dissolved in water and may boil. Always add this material to water, never add water to this material. May boil explosively if added to hot water. Contact with active metals (such as aluminium, tin, zinc) may generate hydrogen, a flammable gas. Contact with ammonium compounds may generate ammonia, a toxic gas. May form shock-sensitive products with organic nitro compounds. May react vigorously, violently, catch fire or cause explosions with a wide variety of chemicals. Will attack wood and paper products, and glass on prolonged contact. May react with sugars to generate carbon monoxide, a toxic, odourless gas.

10. Stability and reactivity

Chemical Stability	Caution-Heat will be evolved upon contact with acids.
Conditions to Avoid	Incompatible materials, exposure to moisture or air.
Incompatible Materials	Oxidising agents, acids, acidic materials, ammonium compounds, nitro compounds, organic halides, active metals, wood, paper, glass.
Hazardous Decomposition Products	Emits smoke and fumes when heated to decomposition.
Possibility of hazardous reactions	Will react violently with acids. May boil explosively if added to hot water. May form shock-sensitive products with organic nitro compounds. May react violently with organic halides. Contact with sugars may generate carbon monoxide.

11. Toxicological Information

Acute Toxicity - Oral	LD50 Sodium Hydroxide: Oral Mouse: 40 mg/kg Oral Rat: 140-340 mg/kg
Ingestion	May be fatal. Causes very serious damage to the mucous membranes and any other tissues it comes into contact with. May cause swelling of the larynx and subsequent suffocation. May cause burns in the mouth and throat, nausea, vomiting, abdominal pains and diarrhoea (occasionally bloody), fall in blood

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Inhalation	pressure, heart failure, coma and death. May cause perforation of the stomach and intestines, and the sites of subsequent scarring have been associated with the later development of stomach cancer. Internal damage may not be apparent until days after exposure, but may still prove fatal.
Skin	Causes severe, deep burns. Exposure to dusts or mists may cause small burns, redness and a rash.
Eye	Corrosive to eyes. Contact with the eyes rapidly causes severe damage to the tissues. May cause redness, pain, blurred vision. May cause severe, deep burns and permanent impairment to, or total loss of, sight.
Chronic Effects	Prolonged or repeated contact with skin may result in dermatitis. Prolonged or repeated contact with dusts may cause respiratory disorders.
Inhalation	Inhalation of dusts or concentrated mists may cause damage to the upper respiratory tract and lungs. Symptoms may range from a mild irritation of the mucous membranes, cough, a burning sensation, laboured breathing, sneezing, sore throat, a runny nose, to severe pneumonitis (irritation and inflammation of lung tissues). Inhalation may also cause pulmonary oedema (fluid build-up in the lungs), with the potential to become a medical emergency. Onset of symptoms may be delayed for several hours.

12. Ecological information

Ecotoxicity	Toxic to aquatic organisms.
Persistence and degradability	No data.
Mobility	Readily transported by water.
Environmental Protection	Avoid contaminating waterways, drains, sewers, or ground.

13. Disposal considerations

Waste Disposal	Refer to appropriate authority in your State. Dispose of material through a licensed waste contractor. Normally suitable for disposal by approved waste disposal agent.
Container Disposal	Do not use aluminium, tin, zinc or galvanised iron containers.
Special precautions for landfill or incineration	Unsuitable for incineration.

14. Transport information

Transport Information	Classified as a Class 8 Dangerous Good. Dangerous Goods of Class 8 Corrosives are incompatible in a placard load with any of the following: - Class 1, Class 4.3, Class 5, Class 6, if the Class 6 dangerous goods are cyanides and the Class 8 dangerous goods are acids and Class 7. Store away from acids.
U.N. Number	1823
UN proper shipping name	SODIUM HYDROXIDE, SOLID
Transport hazard class(es)	8
Hazchem Code	2X
Packing Group	II
EPG Number	8A1
IERG Number	37

15. Regulatory information

Poisons Schedule	S6
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AICS (Australia) All components listed.

16. Other Information

Date of preparation or last revision of SDS 16/11/2016

Literature References Preparation of Safety Data Sheets for hazardous Chemicals Code of Practice Standard for the Uniform Scheduling of Medicines and Poisons
Australian Code for the Transport of Dangerous Goods by Road & Rail
Globally Harmonised System of classification and labelling of chemicals

Signature of Preparer/Data Service Technical Manager 0407 610 542

Technical Contact Numbers Emergency Advice All Hours:
Technical Manager: 0407 610 542 Mon-Fri 8am - 6pm
Poisons Information Centre: 13 11 26 - 24hrs
Transport/Fire Emergency: 000 (Emergency services)

Other Information This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the Workplace. Please refer to the technical datasheet (Instructions for use), and the label on the drum. The company cannot anticipate or control the individual working conditions encountered and so each user should read this SDS carefully, and if in doubt ring the Contact Point Number given below.
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