

Infosafe No™ VARHF	Issue Date : July 2016	ISSUED by HUNTER
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 Product Name **METALKLEEN HP**

1. Identification

GHS Product Identifier METALKLEEN HP

Company Name Hunter Industrials Pty Ltd (ABN 083 330 974)

Address 51-53 Lakewood Blvd
Braeside
Vic 3195 Australia

Telephone/Fax Number Tel: (03) 9586 2888
Fax: (03) 9587 9851

Emergency phone number 0409 949 298

E-mail Address sales@huntind.com.au

Recommended use of the chemical and restrictions on use Heavy duty alkaline cleaner and degreaser.

2. Hazard Identification

GHS classification of the substance/mixture Skin Corrosion/Irritation: Category 1B
STOT Single Exposure: Category 3 (respiratory tract irritation)

Signal Word (s) DANGER

Hazard Statement (s) H314 Causes severe skin burns and eye damage.
H335 May cause respiratory irritation.

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

Pictogram (s) Corrosion, Exclamation mark



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.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P363 Wash contaminated clothing before reuse.

Precautionary statement – Storage P405 Store locked up.

Precautionary statement – Disposal P501 Dispose of contents/container: Recycle packaging by replacing cap and returning clean containers to recycler or designated collection point.

3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Disodium metasilicate	6834-92-0	30-60 %
	Sodium carbonate	497-19-8	10-30 %

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Other ingredients classified not hazardous at the concentrations used according to the criteria of ASCC. Up to 100%

4. First-aid measures

First Aid Measures	If poisoning occurs contact a doctor or Poisons Information Centre Phone 131126
Inhalation	Remove from contaminated area immediately to fresh air; avoid becoming a casualty. If breathing is difficult, give oxygen. If not breathing apply artificial resuscitation. Seek medical advice.
Ingestion	Do not induce vomiting. Rinse mouth out with water then give large quantities of water to drink. Do not give anything if victim is unconscious. Seek urgent medical advice.
Skin	Remove all contaminated clothing. Wash affected areas thoroughly with soap and water. For gross contamination, immediately drench with water and remove clothing. Wash contaminated clothing before reuse. Seek urgent medical advice.
Eye contact	Immediately hold eyelids open and irrigate continuously with water for 15 minutes. Lift upper and lower lids occasionally. Seek urgent medical advice.
First Aid Facilities	Eye wash. Hand wash basin. First Aid kit.
Advice to Doctor	Treat symptomatically for alkaline salts. Show this M.S.D.S. to the medical practitioner.

5. Fire-fighting measures

Suitable extinguishing media	Water, or as for other chemicals present.
Hazards from Combustion Products	Non Combustible. Fumes may be toxic and irritating. Reaction with some metals will produce flammable hydrogen gas.
Specific Methods	Fire fighters to wear full body protective clothing with breathing apparatus. Deluge with water to cool containers. Evacuate area move upwind of fire.
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 dry, well ventilated place, out of reach of children. Store in original container. Keep container closed. Keep away from acids. Keep away from oxidising agents. 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

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Occupational exposure limit values	The ASCC does not list an exposure limit for this product however TWA of total dust is 10mg/m3 not considered to create a respiratory problem.
Appropriate engineering controls	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 the skin and eyes. Avoid breathing the dust. Respiratory protection - use dust mask where dust may be generated. Eye protection - wear safety glasses/goggles when dust or splashing may occur. Skin protection - wear impervious gloves and clothing when handling or dosing the product. 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	Free flowing white powder.
Odour	Nil
Melting Point	No data.
Boiling Point	No data.
Solubility in Water	Soluble in water.
Specific Gravity	N. App
pH	12-12.5 (1% solution)
Flash Point	None
Flammability	Not flammable.

10. Stability and reactivity

Reactivity	Caution-Heat will be evolved upon contact with acids
Conditions to Avoid	Use only as directed on the label. Store in accordance with directions given in Section 7 of this MSDS. Keep containers closed.
Incompatible Materials	This material is not to be stored in aluminium, zinc or tin containers.
Possibility of hazardous reactions	Hydrogen gas is generated when undiluted material contacts aluminium, zinc or tin.

11. Toxicological Information

Acute Toxicity - Oral	LD 50 : Sodium carbonate 4,090 mg/kg oral, rat Sodium metasilicate 1,153 mg/kg oral, rat
Ingestion	Corrosive. Ingestion may cause nausea, vomiting, headache, pain, diarrhoea and possible burns.
Inhalation	Inhalation of mists or dust may cause severe irritation to the respiratory system including burns to the upper respiratory tract. Inhalation of large doses may cause pulmonary edema, pneumonitis and emphysema.
Skin	Corrosive. Exposure may cause irritation and possible burns. Skin contact often does not cause pain, contamination of gloves and boots should be avoided.
Eye	Corrosive. Can cause permanent injury with redness, pain and burns.
Chronic Effects	Prolonged or repeated contact with skin may result in dermatitis. Prolonged or repeated contact with dusts may cause respiratory disorders.

12. Ecological information

Ecological Information	Avoid contaminating waterways. Prevent spills from entering drains and waterways.
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13. Disposal considerations

Disposal Considerations	Remove for disposal in accordance with local waste management regulations. Can be diluted with large amounts of water and flushed to drain with copious amounts of water.
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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.
U.N. Number	1759
UN proper shipping name	CORROSIVE SOLID, N.O.S.
Transport hazard class(es)	8
Hazchem Code	2X
Special Precautions for User	Store away from acids and aluminium, tin, or zinc alloys.
Packing Group	II
EPG Number	8A1
IERG Number	37

15. Regulatory information

Regulatory Information	Classified as hazardous according to criteria of NOHSC
Poisons Schedule	S5
Hazard Category	Corrosive

16. Other Information

Signature of Preparer/Data Service	Technical Manager 03 9580 2499
Technical Contact Numbers	Emergency Advice All Hours: Tel: 0409 949 298 Mon-Fri 8am - 6pm Poisons Information Centre: 13 11 26 - 24hrs
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. ...End Of MSDS...

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