



MATERIAL SAFETY DATA SHEET

Classified as NON HAZARDOUS according to criteria of NOHSC

Section 1: IDENTIFICATION

HD 5000

Recommended Use: Heavy Duty All Purpose Cleaner/Degreaser suitable most surfaces.
Product Code: 4500 (5L), 4502 (20L), 4504 (200L).

UN Number : None allocated
Dangerous Goods Class: None allocated
Hazchem Code: None allocated
Poisons Schedule No: S5

Sierra (Aust) Pty Ltd (A.C.N. 51 101 066 022)
Postal Address: P. O. Box 563 Virginia QLD 4014
Telephone Number: (617) 3216 5099 Facsimile: (617) 3216 5199
Emergency Telephone Number: Poisons Information Centre (National) 131126

Section 2: HAZARDS

Not classified as hazardous by the criteria of NOHSC.

Section 3: COMPOSITION INFORMATION

Ingredient	CAS No	Proportion
Alkaline Salts	Not applicable	<10%
Non Ionic Surfactant		<10%
Ingredients deemed not to be hazardous	Not applicable	to 100%

Section 4: FIRST AID

Eye (Contact)	Hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor, or for at least 15 minutes.
Skin (Contact)	Remove contaminated clothing and flush skin and hair with running water.
Inhalation(Breathing)	Not volatile at room temperatures.
Ingestion (Swallowing)	DO NOT induce vomiting. For advice, contact a Poisons Information Centre (Phone 131126) or a doctor.
Advice to Doctor	Treat symptomatically.
First Aid Facilities	Ensure an eye bath and safety shower are available and ready for use.
Additional Information	No aggravated medical conditions are known to be caused by exposure to this product. For advice, the Poisons Information Centre on 13 11 26.

Section 5: FIREFIGHTING MEASURE

Suitable Extinguishing Media Use dry chemical powder, alcohol stable foam, water spray or fog

type extinguishers.

Hazards From Combustion Products

Toxic and/or irritating fumes including carbon monoxide and carbon dioxide may be emitted.

Precautions For Fire Fighters and Special Protective Equipment

Keep containers cool by spraying with water.

Additional Information

Hazchem Code – Not applicable. **Non Combustable.**
Not considered to be a significant fire risk.

Section 6: ACCIDENTAL RELEASE MEASURES

Minor Spills

Slippery when spilled. Personal protective equipment should be worn when cleaning up spills. Restrict access to area until completion of cleanup. Stop leak if safe to do so. Contain spill with absorbent material, such as sand, vermiculite or other inert material. Wipe up. Place in a suitably labeled container for waste disposal.

Major Spills

Slippery when spilled. Minor hazard. Personal protective equipment should be worn when cleaning up spills. Restrict access to area until completion of cleanup. Stop leak if safe to do so. Alert authorities and inform them the location and nature of hazard. Contain spill with absorbent material, such as sand, vermiculite or other inert material. Prevent spill entering sewers, drains or waterways. Collect and dispose of spilled material according to local regulations. Wash away remnants with copious amounts of cold water. Clean area by working from the periphery to the centre of spill or from the edge of the room to the centre.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling

Contact Sierra (Aust) Pty Ltd sales representative for advice when using this product for any application other than that outlined on the label or technical bulletin.
Any non-intended or non-authorized use of this product may result in personal injury or damage to equipment.
Store product in original container, and securely sealed.
Wash hands and face thoroughly after handling and before work breaks, eating, drinking, smoking and using toilet facilities.

Conditions for Safe Storage

Store in a cool, dry, well ventilated area away from incompatible materials. Keep container tightly sealed.

Section 8: EXPOSURE CONTROL/PERSONAL PROTECTION

National Exposure Standards – Source: National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003].

Ingredient
None available

CAS No

ES-TWA

ES-STEL

Biological Limit Values

Not available.

Engineering Controls

General exhaust is available under normal operating conditions. If risk of overexposure exists, wear SAA approved respirator. Correct fit is essential to obtain adequate protection. Provide adequate ventilation in work area or closed storage areas.

Flammability	Non flammable
Personal Protective Equipment	Eye/face protection – Safety glasses with side sheilding or chemical resistant goggles should be worn to prevent eye contact. Contact lenses pose a special hazard; soft lenses may absorb irritants and all lenses concentrate them. Skin protection – Use rubber gloves and footwear to prevent skin contact. Respiratory protection – Respirator is not usually necessary but if product is irritating use a suitable respirator. Other – Overalls, barrier cream and eyewash unit.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance Green transparant liquid	Boiling Point approximately 100°C
Odour nil	Freezing Point approximately 0°C
pH 12.5 -13.5	Solubility Soluble in water.
Specific Gravity 1.0	Flash Point Not Applicable.
Vapour Pressure Not Available.	Upper and Lower Flammability limits (in air) Not Applicable.
Vapour Density Not Available.	Ignition Temperature Not Applicable.

Section 10: STABILITY AND REACTIVITY

Chemical Stability	Stable under normal ambient storage conditions.
Conditions to avoid	Avoid high temperatures (store below 30°C). Protect against physical damage.
Incompatible materials	Acids. Do not mix with other chemicals.
Hazardous decomposition products	None known.
Hazardous reactions	None known.

Section 11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

<u>Acute</u>	
Swallowed	Considered an unlikely route of entry in commercial / industrial environments. May be irritating and harmful to gastro-intestinal tract.
Eye	Irritating to the eyes, and is capable of causing temporary discomfort with mild redness to the conjunctiva. Temporary impairment of vision or other transient eye damage/ulceration.
Skin	The liquid is irritating to the skin if exposure is prolonged and is capable of causing skin reactions, which may lead to dermatitis from repeated exposures over long periods.
Inhaled	Not normally a hazard due to non-volatile nature of product.
Chronic	Principle route of exposure is usually by skin contact. As with any chemical product, contact with unprotected bare skin; inhalation of vapour, mist or dust in workplace atmosphere; or ingestion in any form, should be avoided by observing good occupational work practice.

TOXICITY DATA

Not available.

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity	Not available.
Persistence and degradability	Not available.
Mobility	Not available.

Section 13: DISPOSAL CONSIDERATIONS

Disposal method	Refer to State/Territory Land Waste Management Authority. Dispose of material through a licensed waste contractor. Rinse empty containers thoroughly before recycling or disposing to an authorised landfill.
Special precautions	Suitable for incineration by approved agent.

Section 14: TRANSPORT INFORMATION

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code).

UN Number	Not applicable.
UN Proper Shipping Name	Not applicable.
Class and subsidiary risk	Not applicable.
Packing Group	Not applicable.
Special precautions for user	Not applicable.
Hazchem Code	Not applicable.

Section 15: REGULATORY INFORMATION

Poisons Schedule (SUSDP): Not applicable.

All ingredients are listed in the Australia Inventory of Chemical Substances (AICS).

Section 16: OTHER INFORMATION

Poisons Information Centre **13 11 26**

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