



Material Safety Data Sheet

Issue Date: August 2005 RE-ISSUED by HYDROCHEM
 Product Name: RATIONAL CJET CLEANER (HYDRO 532)

HAZARDOUS ACCORDING TO CRITERIA OF NOHSC

1. COMPANY DETAILS / IDENTIFICATION

Company Name: COMCATER
Address: 156 Swann Drive, Derrimut Vic 3030
Tel/Fax: Ph: (03) 8369 4600 Fax: (03) 8369 4666

Other Information: This MSDS summarises to the best of our knowledge the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.

Product Name: Hydro 532
Product Code: 532
Product Use: A commercial oven cleaner.
Proper Shipping Name: Corrosive Liquid N.O.S.
UN Number: 1760
DG Class: 8
Packing Group: III
Hazchem Code: 2X

2. COMPOSITION/INFORMATION ON INGREDIENTS

Appearance: Liquid
Characterization Information on Composition: All ingredients in this product are listed on the Australian Inventory of Chemical Substances (AICS).
Ingredients:

<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
Potassium hydroxide	1310-58-3	0 – 15%
Diethylene glycol monobutyl Ether	112-34-5	0 – 2%
Water	7732-18-5	TO 100%

3. HAZARDS IDENTIFICATION

Causes severe burns

4. FIRST AID MEASURES

Swallowed: Give water to drink. DO NOT induce vomiting. Rinse mouth thoroughly with water immediately. Seek medical advice.
Eye: Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical advice.
Skin: Remove contaminated clothes. Wash affected areas with copious quantities of water. Seek medical attention.
Inhaled: Remove victim to fresh air. Employ artificial respiration if indicated. Seek medical attention.
Advice to Doctor: Treat symptomatically.

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5. FIRE FIGHTING MEASURES

Specific Hazards: **EXTINGUISHING MEDIA:** Water fog or spray.
SPECIAL FIRE FIGHTING PROCEDURES: If product is involved in a fire then fire fighters must be warned of the corrosive nature of the material. Product reacts violently with acids.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal: In case material is spilled or released: **MINOR SPILLS** – dilute with large quantities of water. **MAJOR SPILLS** – contain, use sand and earth. Prevent run-off into drains or waterways. Scoop up spilt material into clean, labelled drums ready for disposal.
WASTE DISPOSAL METHODS: In accordance with waste disposal authority or local equivalent. Disposable containers are to be properly rinsed with water before disposal.

7. HANDLING AND STORAGE

Handling When using do not eat or drink. Handle and open containers with care. Prevent spills and avoid operations which contaminate clothing and work areas. Avoid prolonged or repeated contact with skin and eyes.

Storage Keep container tightly closed and dry. Keep away from direct sunlight and other sources of heat or ignition.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits: Not Known
Personal Protective Equipment: Wearing of the following personal protective equipment may be advisable. Chemical goggles, PVC or rubber gloves. Enclosed footwear.
Eng. Controls: Use with adequate ventilation. Local exhaust ventilation system may be required.

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance: A pale red liquid
Boiling Point: 103°C
Specific Gravity: 1.06 to 1.08 @ 20°C
(H20=1)
pH Value: 12.5 -13.5
Vapour Pressure: Not known
Flash Point: > 100°C
Flammability: Will burn if involved in a fire.
Flammable Limits: Not known
LEL
Other Information: Solubility in Water: 100%

10. STABILITY & REACTIVITY

Hazardous Reaction: **STABILITY:** Stable.
CONDITIONS TO AVOID: Reacts violently with acids.
HAZARDOUS DECOMPOSITION PRODUCTS: May produce hydrogen gas in contact with aluminium, zinc and tin.
HAZARDOUS POLYMERIZATION: Will not occur.
INCOMPATIBILITY (materials to avoid) : Corrosive to aluminium, zinc and tin.

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11. TOXICOLOGICAL INFORMATION

Toxicology Information: As Diethylene Glycol Monobutyl Ether
 Oral LD50 (rat) : 5660 mg/kg
 Eyes (rabbit) : Moderate to severe irritant (2)
 As Potassium Hydroxide
 Oral LD50 (rat) : 365 mg/kg

Inhalation: Inhalation may be harmful. The vapour may be an irritant to the mucous membranes and respiratory tract. May cause irritation to the throat and lungs. Effects may be delayed.
 Mild irritant to mucous membranes.

Ingestion: Moderately toxic. May be harmful if swallowed. May cause irritation to mouth, throat and stomach.
 Ingestion can result in vomiting.
 Mild irritant to mucous membranes.

Skin: Contact with skin may result in irritation. Repeated or prolonged skin contact may lead to irritation.
 Corrosive to skin – may cause skin burns.
 Mild irritant may cause severe burns.

Eye: A severe eye irritant. Contamination of eyes can result in permanent injury.
 Strong irritant. Permanent or prolonged defects.

12. ECOLOGICAL INFORMATION

Environmental Protection: This substance may be hazardous to the environment; special attention should be given to not allowing the material to enter the environment.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Refer to State Land Waste Management Authority or a Licensed disposal contractor for disposal.
 Empty containers must be decontaminated, rinsed with water before landfill disposal.

14. TRANSPORT INFORMATION

U.N. Number	1760
Proper Shipping Name	CORROSIVE LIQUID, N.O.S.
Name	
DG Class	8
Hazchem Code	2X
Packaging Method	5.9.8
EPG Number	8A1
Packing Group	III
Storage & Transport	Must be stored and transported in accordance with State or Territory dangerous goods regulations.
IERG Number	37

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15. REGULATORY INFORMATION

Risk Phrase	R35 Causes severe burns.
Safety Phrase	S1/2 Keep locked up and out of reach of children. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S37/39 Wear suitable gloves and eye/face protection. S45 In case of accident or if you feel unwell, seek medical advice immediately.
Poisons Schedule	S6
Hazard Category	Very Corrosive
Packaging & Labelling	Dangerous Goods Class 8. Packaging Group III.
Labelling	As required by the ADG Code and the Standard for the Uniform Scheduling of Drugs and Poisons.

16. OTHER INFORMATION

ABBREVIATIONS: ACGIH - American Conference of Government Industrial Hygienists
 OSHA - Occupational Safety & Health Information
 TLV - Threshold Limit Value
 NOHSC – National Occupational Health & Safety Committee

Contact:

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