

## MATERIAL SAFETY DATA SHEET

### SECTION 1 – IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	RESCUE DRAIN
Manufacturer's Product Code	M066
Other Names	Drain maintainer
Major Recommended Uses	To flush away hair, grease and other organic material from drain lines.
Supplier's Details	Chemsearch Australia 5 Ralph Street, Alexandria Sydney NSW 2015 Telephone Number (Office Hours): (02) 9669 0260 Fax Number: (02) 9693 1562 Emergency Telephone Number: (02) 9214 0755
Date of Issue	March 2007

### SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification	Classified as hazardous according to the criteria of NOHSC.
Dangerous Goods Class & Sub-risk	Class 8, no sub-risk.
Poisons Schedule	Schedule 6
Risk Phrases	Corrosive. Causes severe burns. Irritant. Risk of severe eye damage.
Safety Phrases	Keep out of reach of children Avoid contact with eyes – rinse immediately with plenty of water and seek medical advice if eye contact occurs. Wear suitable gloves and eye/face protection. In case of accidents or if you feel unwell, seek medical advice immediately (show label).

### SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients		
Chemical Entity	CAS No	Proportion
Sodium hydroxide	1310-73-2	>60%
Sodium hydrogensulphate	7681-38-1	10-30%
'Ingredients determined not to be hazardous'		to 100%

All the constituents of this material are listed on the Australian Inventory of Chemical Substances.

### SECTION 4 – FIRST AID MEASURES

Skin	Immediately wipe away material with a cloth while removing contaminated clothing and shoes. Flush affected skin and hair with running water, and wash thoroughly with soap and water. Get immediate medical attention if irritation develops. Wash clothing and clean shoes before re-use.
Eye	Immediately flush the eye continuously with running water, holding eyelids apart. Continue flushing for at least 15-minutes or until advised to stop by the Poisons Information Centre or a doctor. Get immediate medical attention if irritation develops. Do not rinse contaminated water into non-affected eye.
Inhalation	If dust is inhaled, remove to fresh air. Have the person blow their nose to remove the substance from the nasal passages and keep from further inhaling. Seek medical attention if respiratory irritation develops or if breathing becomes difficult.
Ingestion	If swallowed do not induce vomiting. Give plenty of water and call a doctor. If vomiting occurs, give fluids again. Get immediate medical attention.
First Aid Facilities	An eye wash station and safety shower should be available.
Advice to Doctor	There is no specific antidote. Treat symptomatically and as for strongly alkaline material. Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsions may be needed.
Additional Information	Due to the corrosive nature of this product, prolonged or repeated exposure cannot occur. Medical conditions aggravated by exposure are pre-existing respiratory and skin conditions such as asthma, emphysema and dermatitis. Target organs: none known. There is no primary route of entry into the body. The primary routes of exposure are skin and eye contact.

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### SECTION 5 – FIRE FIGHTING MEASURES SECTION 5 – FIRE FIGHTING MEASURES

Non-flammable.	
Suitable Extinguishing Media	In the event of a fire, dry chemical is the recommended extinguishing agent. Do not use water to extinguish water fires where this product is involved as water will cause a violent or explosive reaction.
Special Protective Equipment and Precautions for Fire Fighters	Fire fighters should wear self-contained breathing apparatus and full protective gear. Contain fires with dry sand by creating a ring using nonsparking equipment.
Fire/Explosive Hazards	Prolonged contact with reactive metals such as aluminium, brass, bronze, chromium, magnesium, tin, zinc and alloys can cause the formation of flammable hydrogen gas which can form an explosive mixture with air.
Hazchem Code	2X

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

Wear appropriate protective clothing. Floor may be slippery.	
Methods and Materials for Containment and Clean Up	Granular nature and 1kg packaging of product mean that a large spill is unlikely. Clean up the spill with non-sparking equipment. Cautiously neutralise with a dilute acid such as hydrochloric acid or vinegar if spill dissolved in water. Dispose of waste in a closed, labelled container in accordance with local, state and Commonwealth laws. Flush area with water to wash away residues. Prevent product from contaminating soil or from entering waterways.

### SECTION 7 – HANDLING AND STORAGE

Precautions for Safe Handling	Observe precautions stated on product label, and follow industry safety regulations. Smoking, eating and drinking should be prohibited where the preparation is used. The product must not come into contact with skin and eyes. When diluting with water, slowly add the product to the water. Do not add water to the container as spattering may result.
Conditions for Safe Storage	Store in original containers indoors, in a dry, well-ventilated area in an upright position below 49°C. Keep original container tightly closed when not in use, and avoid storage in humid or moist areas.

### SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Standards	None established for this product. The NOHSC recommend a TWA limit for sodium hydroxide of 2mg/m <sup>3</sup> .
Engineering Controls	Natural ventilation should be sufficient, however local ventilation is recommended where conditions cause dusting of the product or where vapours are generated.
Personal Protective Equipment	
Eye/Face Protection	If contact with product is likely or could occur, goggles or face shield should be worn. The use of faceshield, chemical goggles or safety glasses with side shield protection complying with AS/NZS 1337 is recommended.
Skin Protection	Neoprene or nitrile rubber gloves should be worn along with protective clothing when handling this product. Protective creams may be used for exposed skin, but they should not be applied after contact with the product. Wear gloves of impervious material conforming to AS/NZS 2161. Whilst general duty clothing and shoes are sufficient for normal use, the use of plastic apron, sleeves, overalls, and rubber boots are recommended where dusting occurs and contact is likely.
Respiratory Protection	If misting is likely to occur and engineering controls are not effective in controlling airborne exposure, an approved respirator should be used. A half-facepiece respirator equipped with appropriate cartridge is suitable at concentrations up to 10-times the TLV; final choice of appropriate breathing protection is dependant upon the airborne concentrations and will vary according to individual circumstances. Reference should be made to Australian Standard AS/NZS 1715 and AS/NZS 1716.

### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Opaque, light yellow granules with a citrus scent.
pH	14.0 (10% solution)
Boiling Point	Not applicable
Vapour Pressure	0.07mm Hg
Vapour Density	6.7 (Air = 1)
Solubility in Water (g/L)	Appreciable
Specific Gravity	Not applicable
Flashpoint	Non-flammable
Flashpoint Method	Setaflash
Flammability Limits (%)	Hydrogen gas - L.E.L. – 4%; U.E.L. – 75%
% Volatile by volume	4%
Evaporation Rate	<0.01 (Butyl acetate = 1)

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### SECTION 10 – STABILITY AND REACTIVITY

Stability	Stable.
Hazardous Polymerisation	Will not occur.
Conditions/Materials to Avoid	Heat generation may occur if product is damp or exposed to water. Avoid strong oxidising agents such as chlorine bleach and concentrated hydrogen peroxide; reducing agents; aldehydes; carbides; strong acids; carbon tetrachloride; chlorinated or fluorinated hydrocarbons; cyanides; leather; organic halogen or nitro compounds; sulphides; water and wool. Prolonged contact with reactive metals, such as aluminium, brass, bronze, chromium, magnesium, tin, zinc, and alloys, can cause the formation of flammable hydrogen gas that can form an explosive mixture with air. Carbon monoxide gas can form upon contact with reducing sugars, food and beverage products.
Hazardous Decomposition Products	Oxides of sulphur and hydrogen gas.

### SECTION 11 – TOXICOLOGICAL INFORMATION

Health Effects:	
Acute - Swallowed	Corrosive. Causes burns to the lips, mouth, throat, oesophagus and stomach with nausea and pain. Symptoms may include vomiting of blood.
Acute - Eye	Corrosive. Causes burns, corneal damage and possible blindness.
Acute - Skin	Corrosive. Causes burns and possible deep ulceration and scarring. The severity of these effects depend on concentration and how soon after exposure the area is washed.
Acute - Inhaled	Dust and vapours cause burns to the respiratory tract, nose, mouth and throat, with discomfort, nasal discharge, sneezing, coughing and chest pain. Inhalation of mist or vapours from heated product may cause chemical pneumonitis.
Chronic	Due to the corrosive nature of this product, prolonged or repeated exposure cannot occur. Medical conditions aggravated by exposure are pre-existing respiratory and skin conditions such as asthma, emphysema and dermatitis.
Target Organs	None known.
Product Contains Chemicals Listed as Carcinogens by	International Agency for the Research of Cancer (IARC): NO ; Other: NO

### SECTION 12 – ECOLOGICAL INFORMATION

The product will raise pH of water. pH levels over 9.0 can harm aquatic organisms.	
Persistence/Degradability	The product is inorganic and biodegradable. It readily dissociates in the environment and is not believed to bioaccumulate.
Mobility in Soil	The product is water-soluble and will readily dissolve in water into the soil. The product is non-volatile and will partition to the aqueous phase.

### SECTION 13 – DISPOSAL CONSIDERATIONS

The packaging can be re-used after rinsing or recycled or burnt. Before rinsing, empty containers may contain product residues that exhibit the hazards of the product. Empty containers must be either rinsed and diluted with water or carefully neutralised (typically pH between 5.5 – 9) with dilute acid and flushed with water. Normally suitable for disposal at approved land waste site.

### SECTION 14 – TRANSPORT INFORMATION

UN Number	UN1823
UN Proper Shipping Name	Sodium hydroxide, solid
Transport Hazard Class	Corrosive. ADG Class 8, no sub-risk. This product is incompatible in a placard load with any of the following: Class 1 (Explosives); Class 4.3 (Dangerous When Wet Substances); Class 5 (Oxidising Agents & Organic Peroxides); Class 7 (Radioactive Substances). They are also incompatible with food and food packaging in any quantity.
Packaging Group	Group II
Hazchem Code	2X

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### SECTION 15 - REGULATORY INFORMATION



IRRITANT

Poisons Schedule: SCHEDULE 6

### SECTION 16 – OTHER INFORMATION

Initial copy of 16-header MSDS.

Since the user's working conditions are not known by the supplier, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The product must not be used for any purposes other than those specified in Section 1 without first obtaining written handling instructions. CHEMSEARCH AUSTRALIA assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such non-recommended use, storage or disposal of the product.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties.

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