

Material Safety Data Sheet

SUPERMIX 7

Infosafe No. 5AP4F **Issue Date** December 2010 **Status** ISSUED by APPLIED

Classified as hazardous

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name SUPERMIX 7

Product Code SM7

Company Name APPLIED AUSTRALIA PTY LTD - AN (ITW) ILLINOIS TOOL WORKS COMPANY (ABN 96 082810973)

Address 1-9 NINA LINK DANDENONG SOUTH
VIC 3175

Emergency Tel. 1800 638 556

Telephone/Fax Number Tel: +61 3 8773 7300
Fax: +61 3 8773 7310

Recommended Use Foaming chlorinated detergent.

Other Names	Name	Product Code
	SUPERMIX 7 CHLORINATED FOAM CLEANER	SM7

Other Information Website: www.applieaustralia.com
Applied Chemicals NZ
5A Andrew Baxter Drive, Airport Oaks, Auckland, 2150
Postal Address: P.O. Box 201185 , Auckland Airport, 2150, New Zealand
EMERGENCY TEL: 0800 154 666

2. HAZARDS IDENTIFICATION

Hazard Classification

HAZARDOUS SUBSTANCE, DANGEROUS GOODS

Risk Phrase(s)

R31 Contact with acids liberates toxic gas.
R34 Causes burns.
R41 Risk of serious damage to eyes.

Safety Phrase(s)

S2 Keep out of reach of children.
S23 Do not breathe gas/fumes/vapour/spray
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S62 If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.
S24/25 Avoid contact with skin and eyes.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Surfactants and sequestrants determined not to be hazardous		Proprietary 1-10 %
	Sodium hypochlorite	7681-52-9	1-5 %
	Potassium hydroxide	1310-58-3	1-5 %
	Water	7732-18-5	Balance

4. FIRST AID MEASURES

Inhalation	If irritation is experienced stop operation and remove to fresh air. Seek medical attention if symptoms persist.
Ingestion	Rinse mouth thoroughly with water immediately. Give water to drink. DO NOT induce vomiting. Seek immediate medical assistance. Poisons Information Centre: Toll Free 24 hour Emergency Phone Number: 131126
Skin	Remove any source of further contamination - such as contaminated clothing. Flush the affected area with water as soon as possible. Continue to flush until all of the substance is removed AND signs and symptoms have gone away. Do NOT scrub the skin roughly. Do NOT use any solvent. IF THE SKIN LOOKS BURNED Treat the skin the same as a thermal (heat) burn: Clean the skin gently with cool water. Apply a cold compress. Do NOT apply ice to hands or feet as this may cut off circulation. If the skin is very painful, infected, or a large area is affected, take the person to a medical centre or hospital.
Eye	Remove contact lenses before flushing. Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. If eye wash station is unavailable, use clean, room temperature water poured from a jug or bottle, or a low-pressure running tap or hose. If you are only flushing one eye, be careful not to get any product in the unaffected eye. Seek medical attention. The following should NOT be used to flush the eye(s): Eye drops - these do not contain enough liquid to enable sufficient flushing and occasionally contain chemicals which may interact with the substance in the eye. Shower - high pressure water may cause mechanical injury to the eye. After flushing, a medical examination of the eye should be performed to check for any damage.
First Aid Facilities	Safety shower for immediate drenching of skin and clothes, eye wash to flush eyes and normal wash room facilities. First Aid Kit suitably equipped to treat chemical burns.
Advice to Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Water fog (or if unavailable fine water spray), foam, carbon dioxide or dry chemical powder.

Hazards from Combustion Products In the event of a fire the product may release toxic chlorine gas.

Special Protective Equipment for fire fighters Full protective clothing and self-contained breathing apparatus.

Specific Methods If safe to do so, remove containers from path of fire.

Specific Hazards The product is alkaline and hence may react with metals to produce hydrogen, a flammable gas.

Hazchem Code 2R

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures Clear area of all unprotected personnel. Stop leak if safe to do so. Contain using sand and earth - prevent runoff into drains and waterways. For large spills notify Emergency Services.

Methods and Materials for Containment and Clean Up Procedures Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up. Avoid generating dust. Collect and seal in properly labelled containers or drums for disposal. Wash down area with plenty of water.

Personal Protection When involved in a clean-up - Wear chemical resistant overalls, goggles or face shield, heavy duty nitrile, neoprene or natural rubber gloves, rubber boots or chemical resistant footwear.

7. HANDLING AND STORAGE

Precautions for Safe Handling Avoid skin and eye contact. Wash hands thoroughly after handling.

Conditions Store in original container in a cool, dry well ventilated place and out

for Safe Storage of direct sunlight. Store away from acids and oxidisers. Keep containers closed when not in use. Check regularly for leaks.

Storage Regulations This product is a Scheduled 5 Poison and must be stored and used in accordance with the relevant regulations

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	Name	STEL (mgm3)	STEL (ppm)	TWA (mgm3)	TWA (ppm)	FootNote
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	Potassium hydroxide			2		Peak limitation
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Biological Limit Values No biological limit values have been allocated to this product or its ingredients.

Engineering Controls Use in a well ventilated area only. Avoid generation and inhalation of mists or aerosols.

Respiratory Protection Ensure adequate ventilation when using. Will give off toxic chlorine gas if mixed with acid. Avoid breathing vapours and spray mists.

Eye Protection Chemical goggles or face shield. If splashing from underneath may occur wear safety glasses and a face shield.

Hand Protection Nitrile, neoprene or natural rubber gloves

Footwear Rubber boots or chemical resistant footwear.

Other Information At concentrations less than 14 %v/v, the risk classification for the diluted solution becomes non-hazardous according to Safe Work Australia criteria. However, good occupational work procedures are recommended at all times. .

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear, yellow, slightly viscous liquid with a chlorine odour.

Boiling Point Approx 100°C

Solubility in Water	Soluble
Specific Gravity	Approx. 1.1
pH Value	(concentrate): 13.0-13.5 1% Solution: 11.5 - 12.5
Vapour Pressure	Not determined
Flash Point	Non-flammable
Flammability	Non-flammable, non-combustible. No specific fire hazards associated with product. No specific ventilation, earthing or flameproofing requirements.
Flammable Limits - Lower	Not applicable
Flammable Limits - Upper	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability	Decomposes slowly at ambient temperature to give off chlorine vapours.
Incompatible Materials	Strong oxidisers and acids. Contact with acids liberates toxic gas. Contamination and exposure to heat and light may accelerate decomposition. May react with peroxides, metal salts and reducing agents.

11. TOXICOLOGICAL INFORMATION

Toxicology Information	No toxicity data is available for this material.
Inhalation	Concentrate and strong solutions in spray mist form can produce tissue damage or severe irritation to mucous membranes of respiratory tract, characterised by coughing, choking or shortness of breath.
Ingestion	Concentrate and strong solutions can be corrosive to mouth,

oesophagus and stomach. Causes severe burns.

Skin Causes severe burns.

Eye Corrosive to eyes; contact can cause corneal burns.

Chronic Effects Repeated or prolonged exposure to this material will result in severe irritation and possible chemical burns. Inhalation may aggravate existing respiratory disorders.

12. ECOLOGICAL INFORMATION

Ecotoxicity Avoid contaminating waterways. A sudden pH change can be fatal to fish and other aquatic species.

Persistence / Degradability The major components are inorganic substances.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Refer to Waste Management Authority in your state. Dispose of material through a licenced waste contractor.

Container Disposal Rinse out container with water and dispose with licensed recycler. Containers should remain labelled until completely decontaminated.

14. TRANSPORT INFORMATION

Transport Information This material is a Class 8 Corrosive Substance according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
Class 8 - Corrosive Substances are incompatible in a placard load with any of the following:

- Class 1, Explosives
- Class 4.3, Dangerous When Wet Substances
- Class 5.1, Oxidising Agents & Class 5.2 - Organic Peroxides
- Class 6, Toxic Substances (where the Toxic substances are cyanides and the corrosives are acids),
- Class 7, Radioactive Substances

and are incompatible with food and food packaging in any quantity.

U.N. Number 1719

Proper Shipping CAUSTIC ALKALI LIQUID, N.O.S. - [CONTAINS POTASSIUM HYDROXIDE AND SODIUM HYPOCHLORITE]

Name**DG Class** 8**Hazchem Code** 2R**Packaging Method** 3.8.8RT8**Packing Group** II**EPG Number** 8A1**IERG Number** 37**IMDG UN No** 1719**IMDG Description** CAUSTIC ALKALI LIQUID, N.O.S. - [CONTAINS POTASSIUM HYDROXIDE AND SODIUM HYPOCHLORITE]**IMDG Hazard Class** 8**IMDG Subsidiary Risk** n/a**IMDG Pack. Group** II**IMDG EMS** F-A,S-B**IMDG Marine Pollutant (MP)** No

15. REGULATORY INFORMATION

Regulatory Information Hazardous according to criteria of NOHSC Australia. Classified as a Harmful Substance, Schedule 4, according to the New Zealand Toxic Substances Regulations.**Poisons Schedule** S5**Hazard Category** Corrosive

**AICS
(Australia)** All ingredients listed

16. OTHER INFORMATION

Date of preparation or last revision of MSDS Replaces MSDS dated 1 Oct 2005

Contact Person/Point Australia:
24 HOUR EMERGENCY CONTACT (ACOHS Pty Ltd): 1 800 638 556
Poisons Information Centre (Australia): 13 11 26

New Zealand:
24 HOUR EMERGENCY CONTACT (ACOHS Pty Ltd): 0800 154 666
NZ National Poisons Centre (24 Hour): 0800 764 766

DISCLAIMER:

This Material Safety Data Sheet summarises at the date of issue to the best of our knowledge, the health and safety hazards of the product and how to safely handle and use the product.

As Applied Australia cannot anticipate or control the conditions under which the product is used, customers are encouraged, prior to usage, to assess and control the risks associated with their use of the product.

This MSDS is valid for 5 years from date of issue. However, this version may be revoked and revised at any time, and users should contact Applied Australia to ensure they are in possession of the latest version.

Literature References ASCC: Hazardous Substances Information System. Hazard Classification, Risk and Safety Phrases and Exposure Standards information. National Code of Practice for the Preparation of Material Safety Data Sheets, 2nd Edition [NOHSC:2011(2003)] Approved Criteria for Classifying Hazardous Substances, 3rd Edition [NOHSC:1008(2004)] Australian Code for the Transport of Dangerous Goods by Road and Rail. International Maritime Dangerous Goods Code. International Air Transport Association Dangerous Goods Regulations.

Signature of Preparer/Data Service AMS

Revisions Highlighted Five year review.

End of MSDS

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