

PRESTO**1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

Product Name: **PRESTO DETERGENT**
 Other Names: None
 Proper Shipping Name: Caustic Alkali Liquid, N.O.S.
 Manufacturer's Product Code: PREST5, PREST20
 Product Use: Hard-surface cleaner and fat removal detergent.
 Applied with spraygun, foam-gun, mop or sponge.

COMPANY DETAILS

Company: Agar Cleaning Systems Pty. Ltd.
 Address: 12-14 Cope Street, Preston, Vic. 3072
 Telephone: 03 9480 3000 Facsimile: 03 9480 5100
 Web: www.agar.com.au
 Agar MSDS are available from this website.
 E-mail: admin@agar.com.au

Emergency Telephone Number: 131 126 (Aust wide)

2 HAZARDS IDENTIFICATION

**Hazardous according to criteria of Worksafe Australia.
 Corrosive C**

R35 Causes severe burns.

R41 Risk of serious damage to eyes.

S2 Keep out of the reach of children.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S24/25 Avoid contact with skin and eyes.

S37/39 Wear suitable gloves and eye/face protection.

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).

3 COMPOSITION / INFORMATION ON INGREDIENTS**Ingredients:**

Chemical Entity:	CAS No.:	Proportion:
2-butoxy ethanol	111-76-2	low < 10%
sodium metasilicate	6834-92-0	low < 10%
monoethanolamine	141-43-5	low < 10%
sodium hydroxide	1310-73-2	low < 10%
sequestrants		low < 10%
anionic surfactant		10 - < 30%
water	7732-18-5	to 100%

4 FIRST AID MEASURES

Poisons Information Centre: Phone 131 126

Swallowed: If poisoning occurs, contact a doctor or Poisons Information Centre. Seek urgent medical assistance. If swallowed, do NOT induce vomiting. Give a glass of water. Rinse mouth with water. Never give anything by mouth to an unconscious person.

Eye: Immediately hold the eyes open and wash continuously for at least 15 minutes with fresh running water from the eyewash facility. Ensure irrigation under eyelids by occasionally lifting the upper and lower lids. Transport to doctor or hospital without delay. Removal of contact lenses should only be undertaken by skilled personnel.

Skin: Remove any contaminated clothing and flush area with water. Seek medical attention in the event of irritation.

Inhaled: Risk of side-effects from inhalation is considered to be low, but if effects occur, remove patient to fresh air.

First Aid Facilities: Eyewash facility.

Notes to Physician: Treat symptomatically as for strong alkaline material.

5 FIRE FIGHTING MEASURES

Fire/Explosion Hazard: Presto is not combustible.

Fire Extinguishing media: Water spray or fog. Foam. Dry chemical powder. Carbon dioxide.

Fire Fighters' PPE: Wear SCBA and chemical splash suit.

Special fire-fighting procedures: None.

Unusual fire hazards: None

Hazardous products of combustion: Thermal decomposition in a large fire may yield toxic fumes.

6 ACCIDENTAL RELEASE MEASURES

Clean up all spills immediately. Avoid contact with skin and eyes. Contain spill and mop up. Place in a suitable, labelled container for waste disposal.

7 HANDLING AND STORAGE

Storage and Transport: Store in a cool, dry place that is well ventilated and away from foodstuff containers. Keep containers closed at all times. Keep out of reach of children.

Incompatibility (Materials to avoid for purposes of transport, handling and storage only): Not to be loaded with Dangerous Goods of Classes 1, 4.3, 5.1, 5.2 or 7 or foodstuffs.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards: None assigned for mixture.

Data for principal ingredients only:

Atmospheric Contaminant Exposure Standard for:

2-butoxy ethanol TLV 25 ppm 'Skin' (121 mg/cu.m)

sodium hydroxide TLV C 2 mg/cu.m (peak limitation)

monoethanolamine TLV TWA 3 ppm, 8 mg/cu.m.

STEL 6 ppm, 15 mg/cu.m.

[Source: Worksafe Australia NOHSC: 1003 (1995)]

Engineering Controls: Mechanical ventilation: Not required.

Personal Protection:

Gloves - Wear impervious rubber, PVC or nitrile gloves and footwear.

Note: Resistance of glove materials can vary. Evaluate resistance under conditions of use and maintain PPE carefully.

Eye protection - Suitable eye/face protection should be worn.

Other - Protective overalls are desirable. An eyewash unit should be available. Please turn to page 2.

PRESTO

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Transparent viscous yellow-orange liquid
Odour: Faint butyl odour
pH = 13 - 14
Vapour Pressure: N/K
Vapour Density: N/K
Boiling Point: 100°C
Freezing Point: < 0°C
Solubility in water: Infinitely miscible
Specific Gravity: 1.13
Evaporation rate: As water
% Volatile by vol: 80 – 90%

10 STABILITY AND REACTIVITY

Stable.

Do not store in aluminium or galvanised containers. Store away from acids.

Hazardous polymerization: Will not occur.

11 TOXICOLOGICAL INFORMATION

Risk: Causes burns. Risk of serious damage to eyes.
Health Effects: *Acute* -

Swallowed: Because of its high alkalinity in the undiluted state, Presto is corrosive to the gastro-intestinal tract if swallowed.

Eye: Corrosive and irritating to the eyes.

Skin: Principal route of exposure is usually by skin contact. It is absorbed by the skin and is capable of causing skin reactions. Corrosive and irritating to the skin on contact.

Inhalation: Risk is low if product is used as directed, but breathing of concentrated vapour should be avoided.

Symptoms of excessive inhalation include irritation of mucous membranes and respiratory system, headache and nausea. Avoid generating mist which may cause coughing.

Health Effects – *Chronic*: Repeated or prolonged skin contact may cause burns, swelling, blistering or dermatitis.

Toxicity data: Not available for mixture.

2-butoxy ethanol: Acute oral (rat) LD50: 1480 mg/kg
sodium metasilicate: oral (rat) LD50: 1153 mg/kg
ethanolamine: oral (rat) LD50: 2050 mg/kg
dermal (rabbit) LD50: 1000 mg/kg
sodium hydroxide: oral lowest lethal dose (rabbit): -
500 mg/kg (10% solution). Low systemic toxicity.

(Note: this data is from published information. Agar Cleaning Systems does not carry out animal tests).

12 ECOLOGICAL INFORMATION

Ecotoxicity: No data available.

Persistence and degradability: -

Mobility: -

Advice: Prevent material from entering waterways.

13 DISPOSAL CONSIDERATIONS

For disposal, refer to State Land Waste Management Authority.

14 TRANSPORT INFORMATION

UN No.: 1719	Class: 8	Packg.Group: II	Hazchem: 2R
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15 REGULATORY INFORMATION

Poisons Schedule Number: Schedule 5

16 OTHER INFORMATION

AICS Listing: All components of Presto are listed on the Australian Inventory of Chemical Substances (AICS).

Date: This MSDS issued: April 24, 2006

Abbreviations: N/K = Not Known

TWA = Time Weighted average

STEL = Short term exposure limit

CAS = Chemical Abstracts Service

The information in this Data Sheet is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Agar Cleaning Systems accepts no tortious or contractual liability for any loss or damages suffered as a consequence of reliance on the information and advice contained herein.

End of MSDS.