



PRICE CHEMICALS PTY LIMITED

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MATERIAL SAFETY DATA SHEET

NOT Hazardous according to criteria of Worksafe Australia

1. IDENTIFICATION

PRODUCT NAME: PUREX ENHANCE

PRODUCT DESCRIPTION: Polyquaternary ammonium resin in water

CLASSIFICATION: Not classified as hazardous according to criteria of Worksafe Australia

REVISION DATE: July 2011

2 COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS

COMPONENT CAS. NO. % SYMBOL RISK PHRASES

No Hazardous Ingredients

3. HAZARD IDENTIFICATION

HUMAN HAZARDS

None

4. FIRST AID MEASURES

INGESTION

Material is not expected to be harmful by ingestion.

No specific first aid measures are required.

SKIN CONTACT

Wash immediately with plenty of water and soap.

EYE CONTACT

Rinse immediately with plenty of water for at least 15 minutes.

INHALATION

Material is not expected to be harmful if inhaled.

Remove to fresh air.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

Use water spray, carbon dioxide or dry chemical.

PROTECTIVE EQUIPMENT

Firefighters, and others exposed, wear self-contained breathing apparatus.

SPECIAL HAZARDS

Keep containers cool by spraying with water if exposed to fire.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Spills are very slippery.

METHODS FOR CLEANING UP

Product may cause a slip hazard.

Spilled material should be absorbed onto an inert material and scooped up.

Flush spill area thoroughly with water and scrub to remove residue.

If slipperiness remains apply more dry-sweeping compound.

7. HANDLING AND STORAGE

HANDLING

None

STORAGE

To avoid product degradation and equipment corrosion, do not use iron, copper or aluminum containers or equipment.

STORAGE TEMPERATURE

Room temperature

REASON: Integrity

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

CONTROL PARAMETERS - Australian or USA

COMPONENT CAS. NO. % VALUE REFERENCE

No values have been established.

ENGINEERING MEASURES

Engineering controls are not usually necessary if good hygiene practices are followed.

RESPIRATORY PROTECTION

None recommended.

EYE PROTECTION

Wear eye/face protection.

SKIN PROTECTION

Wear impermeable gloves.

ADDITIONAL

Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water.

9. PHYSICAL AND CHEMICAL PROPERTIES

COLOUR: colorless to amber

MATERIAL STATE: liquid

ODOUR: amine

BOILING POINT: ~100 C

MELTING POINT: -18 C

VAPOUR PRESSURE: Not applicable

SPECIFIC GRAVITY: 1.03 - 1.05

VAPOUR DENSITY: Not applicable

% VOLATILE (By Wt.): 75

pH: 5 - 8

EVAPORATION RATE: Not applicable

SOLUBILITY IN WATER: Complete

VOLATILE ORGANIC

CONTENT: Not available

FLASH POINT: >93 C

FLASH POINT METHOD: Closed Cup

FLAMMABLE LIMITS (% By

Vol): Not available

AUTOIGNITION TEMP: Not applicable

DECOMPOSITION TEMP: Not available

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVOID

None known

MATERIALS TO AVOID

Do not use aluminium, copper or iron in feed or storage system.

Strong oxidizers; strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS

carbon monoxide; carbon dioxide; ammonia; oxides of nitrogen; hydrogen chloride; dimethylamine

11. TOXICOLOGICAL INFORMATION

EEC SUBSTANCE/PREPARATION TOXICITY CLASSIFICATION

Acute LD50; oral; rat Not applicable >10000 mg/kg estimated

Acute LD50; dermal; rabbit Not applicable >10000 mg/kg estimated

Acute LC50 (4 hr); inhalation; rat Not applicable >20 mg/l estimated

Acute Irritation; dermal Not irritating

Acute Irritation; eye Not irritating

Sensitization; dermal Not sensitizing

Sensitization; inhalation Not sensitizing

Ames Salmonella Assay No data
Acute LD50; oral; rat 14.6 g/kg
Acute LD50; dermal; rabbit >20 g/kg

POTENTIAL HEALTH EFFECTS

None

HAZARDOUS INGREDIENT TOXICITY DATA

No Hazardous Ingredients

12. ECOLOGICAL INFORMATION

ASSESSMENT

No adverse environmental effects are expected with proper use and disposal of this product.

LC50 determinations without added suspended solids overestimate the true toxicity of cationic polymers.

Suspended solids and other dissolved organic materials like humic acid are present in natural waters and

reduce the effective concentration of the polymer and thereby its toxicity.

Water Flea (Daphnia magna), 48 hr LC50 in a 50 ppm clay suspension: 1.2-2.5 ppm; Water Flea (Daphnia

magna), 48 hr LC50 in a 1000 ppm clay suspension: 24.8 ppm

TEST RESULTS

Bluegill Sunfish (Lepomis macrochirus), 96-Hour LC50: 0.8-1.3 mg/L

Rainbow Trout (Oncorhynchus mykiss), 96-Hour LC50: 0.37 mg/L

Water Flea (Daphnia magna), 48-Hour EC50: 0.9 mg/L

Octanol/H2O Partition Coef.: Not available

13. DISPOSAL CONSIDERATIONS

CYTEC encourages the recycle, recovery and reuse of materials, where permitted. If disposal is necessary,

CYTEC recommends that organic materials, especially when classified as hazardous waste, be disposed of by

thermal treatment or incineration at approved facilities.

All local and national regulations should be followed.

14. TRANSPORT INFORMATION

AUSTRALIA (ADG)

Hazchem Code: Not Applicable Poisons Schedule No.: None Allocated

INTERNATIONAL SHIPPING INFORMATION

IMO

SHIPPING NAME: NOT APPLICABLE/NOT REGULATED

HAZARD CLASS: Not applicable

SUBSIDIARY CLASS: Not applicable

UN NUMBER: Not applicable

PACKING GROUP: Not applicable

TRANSPORT LABEL REQUIRED: None required

ICAO/IATA

SHIPPING NAME: NOT APPLICABLE/NOT REGULATED

HAZARD CLASS: Not applicable

SUBSIDIARY CLASS: Not applicable

UN NUMBER: Not applicable

PACKING GROUP: Not applicable

TRANSPORT LABEL REQUIRED: None required

ADDITIONAL TRANSPORT INFORMATION

TECHNICAL NAME (N.O.S.): Not applicable

15. REGULATORY INFORMATION

MARKING AND LABELING

SYMBOL: - None required

RISK PHRASES: - None

SAFETY PHRASES: S81 Spills are very slippery.

INVENTORY INFORMATION

AUSTRALIA: All components of this product are included in the Australian Inventory of Chemical Substances (AICS).

EEC EINECS: All components of this product are included in the European Inventory of Existing Chemical Substances (EINECS) or are polymers of which the components are in

EINECS, in compliance with Council Directive 67/548/EEC and its amendments.

US TSCA: All components of this product are included on the TSCA Inventory in compliance with the Toxic Substances Control Act, 15 U. S. C. 2601 et. seq.

CANADA

DSL:

Components of this product have been reported to Environment Canada in accordance with subsection 25 of the Canadian Environmental Protection Act and are included on the Domestic Substances List.

16. OTHER INFORMATION

No data available

Contact Points

Organisation	Location	Telephone	Ask For
Price Chemicals Pty Ltd	Somersby 2250	02 – 4340 0088	Technical Officer
Poisons Information Centre	Westmead	131129	
		1800-251525	