



# PRICE CHEMICALS PTY LIMITED

ABN 92 002 585 293

10 Pile Road  
Somersby NSW 2250  
Phone: (02) 4340 0088  
Fax: (02) 4340 0322  
E-mail: enquiries@pricechemicals.com.au

## MATERIAL SAFETY DATA SHEET

### 1. IDENTIFICATION

**Revision Date** 1<sup>st</sup> July 2011

**Product Name** SODIUM TRIPOLYPHOSPHATE

**Other Names** SODIUM TRIPHOSPHATE, TRIPOLY PENTASODIUM TRIPHOSPHATE

**Uses** Food and feed industry, detergents and dishwashing tablets, (liquid) cleaners, in brines in the seafood, meat industry, detergent slurries.

#### Contact Information

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

### 2. HAZARD IDENTIFICATION

NOT Hazardous according to criteria of NOHSC/ASCC.

**Risk Phrases** No data available.

**Safety Phrases** No data available.

**ERMA New Zealand Approval Code**

HSR003416

**HSNO Hazard Classification** 6.1E 6.4A

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Ingredients

Chemical Entity	CAS Number	Proportions (%)
SODIUM TRIPOLYPHOSPHATE	[7758-29-4]	> 95

### 4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure.

**Swallowed** Rinse mouth with water. Give water to drink. Call for medical assistance.

**Eye** Immediately flush eyes with plenty of water holding eyelids open. Call for medical assistance.

**Skin** Remove contaminated clothing. Flush affected area with plenty of water. If irritation persists, call for medical assistance.

**Inhaled** Remove victim from exposure to fresh air. If rapid recovery does not occur, call for medical assistance.

**Advice to Doctor** Treat symptomatically based on individual reaction of patient and judgement of doctor.

**Aggravated medical conditions caused by exposure** No information available on medical conditions which are aggravated from exposure to this product.

### 5. FIRE FIGHTING MEASURES

#### Extinguishing Media

In case of fire, use appropriate extinguishing media most suitable for surrounding fire conditions. Foam, dry powder, carbon dioxide or water spray.

**Hazards from Combustion Products** The product itself is not flammable. Thermal decomposition above 600°C.

**Special Protective Precautions and Equipment for Fire Fighters** Fire fighters should wear a self contained breathing apparatus and full protective clothing along with protective equipment.

**Flammability Conditions** Product is non-flammable. Additional Information

**Hazchem Code** N/A

### 6. ACCIDENTAL RELEASE MEASURES

**Emergency Procedures** Personnel involved in the clean up should wear full protective clothing. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Do not allow product to reach drains, sewers or waterways. If the product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management Authority.

**Methods and Materials for Containment and Clean Up** Contain and sweep/shovel up spills with dust binding material or use an industrial vacuum cleaner. Transfer to a suitable, labelled container and hold for safe disposal.

## 7. HANDLING AND STORAGE

**Precautions for Safe Handling** Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling.

**Conditions for Safe Storage (Including Any Incompatibles)** Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials including sources of ignition. Store at ambient temperature. Protect from direct sunlight and moisture. Product can be stored up to 12 months under indicated conditions. This product is not classified dangerous for transport according to The Australian Code for the Transport of Dangerous Goods by Road and Rail.

**Container Type** Store in original packaging as approved by manufacturer.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**National Exposure Standards** No exposure standard has been established for this product by the Australian National Occupational Health and Safety Commission (NOHSC). However, the exposure standard for dust not otherwise specified is 10mg/m<sup>3</sup> (for inspirable dust) and 3mg/m<sup>3</sup> (for respirable dust).

**Biological Limit Values** Currently, there are no Biological Exposure Indices (BEIs) determined for the components of this product.

**Engineering Controls** A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

**Personal Protection** RESPIRATOR: The use of an approved dust mask, filter type P2 is recommended. EYES: Wear safety goggles. HANDS: Rubber gloves. CLOTHING: Standard work uniform/clothing and footwear.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** white powder

**Formula** Na<sub>5</sub>P<sub>3</sub>O<sub>10</sub>

**Odour** odourless

**Vapour Pressure** Not applicable.

**Vapour Density** Not applicable.

**Boiling Point** Not applicable.

**Melting Point** 620°C deg C

**Solubility in Water** 150g/L (20°C)

**Specific Gravity** Not applicable.

**Flash Point** Not applicable.

**pH** 9.2-10.0 (10g/L H<sub>2</sub>O (20°C))

**Lower Explosion Limit** Not applicable.

**Upper Explosion Limit** Not applicable.

**Ignition Temperature** Not applicable.  
**Specific Heat Value** Not applicable.  
**Particle Size** Not applicable.  
**Volatile Organic Compounds (VOC) Content** Not applicable.  
**Evaporation Rate** Not applicable.  
**Viscosity** Not applicable.  
**Percent Volatile** Not applicable.  
**Octanol/Water partition coefficient** Not applicable.  
**Saturated Vapour Concentration** Not applicable.  
**Additional Characteristics** Not applicable.  
**Flame Propagation/Burning Rate of Solid Materials** Not applicable.  
**Properties of Materials That May Initiate or Contribute to Fire Intensity** Not applicable.  
**Potential for Dust Explosion** Not applicable.  
**Reactions that Release Flammable Gases** Not applicable.  
**Fast of Intensely Burning Characteristics** Not applicable.  
**Non-flammables That Could Contribute Unusual Hazards to a Fire** Not applicable.  
**Release of Invisible Flammable Vapours and Gases** No data available.  
**Decomposition Temperature** No data available.  
**Additional Information** Molecular Weight: 368 Bulk Density: 380-1000kg/m3

## 10. STABILITY AND REACTIVITY

**Chemical Stability** Product is stable under normal conditions of use and storage.  
**Conditions to Avoid** Avoid excessive heat, dusty conditions, direct sunlight, moisture and high temperatures.  
**Incompatible Materials** Sources of ignition.  
**Hazardous Decomposition Products** No decomposition under normal conditions of use.  
**Hazardous Reactions** No data available.

## 11. TOXICOLOGICAL INFORMATION

**Toxicity Data** Oral LD50 Rat 15 days: >2000mg/Kg Skin Irritation Rabbit: Not irritating Eye Irritation Rabbit: Not irritating  
**Health Effects - Acute**  
**Swallowed** If swallowed, may cause gastro-intestinal disorders and vomiting.  
**Eye** May cause eye irritation, redness, corrosive and poor visibility.  
**Skin** May cause skin irritation, corrosive and redness.  
**Inhaled** If inhaled, may cause coughing, sore throat and shortness of breath.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity** No data available.

**Persistence and Degradability** No information available on persistence/degradability for this product.

**Mobility** No information available on mobility for this product.

**Environmental Fate (Exposure)** Avoid contaminating waterways, drains and sewers.

**Bioaccumulative Potential** No information available on bioaccumulation for this product.

## 13. DISPOSAL CONSIDERATIONS

**Disposal** Dispose of in accordance with all local, state and federal regulations.

**Special Precautions for Land Fill or Incineration** Contact a specialist disposal company or the local waste regulator for advice.

## 14. TRANSPORT INFORMATION

Land Transport (Australia)

**Regulation Name** ADG Code

**UN Number** Not applicable.

**Shipping Name** SODIUM TRIPOLYPHOSPHATE

**Dangerous Goods Class** Not applicable.

**Subsidiary Risk** Not applicable.

**Pack Group** Not applicable.

**Precaution for User** No data available.

**Hazchem Code** N/A

**Special Provision** Not applicable.

Land Transport (New Zealand)

**Regulation Name** NZS5433

**UN Number** Not applicable.

**Shipping Name** SODIUM TRIPOLYPHOSPHATE

**Dangerous Goods Class** Not applicable.

**Subsidiary Risk** Not applicable.

**Pack Group** Not applicable.

**Precaution for User** No data available.

**Hazchem Code** N/A

**Special Provision** Not applicable.

Sea Transport

**Regulation Name**

IMDG Code

**UN Number** No data available.

**Shipping Name** No data available.

**Dangerous Goods Class** No data available.

**Subsidiary Risk** No data available.

**Pack Group** No data available.

**Precaution for User** No data available.

**Hazchem Code** No data available.

**Special Provision** Not applicable.

## 15. REGULATORY INFORMATION

This product does not need to be labelled in accordance with EC directives or respective national laws.

**Poisons Schedule** N/A

**EPG** N/A

**AICS Name** TRIPHOSPHORIC ACID, PENTASODIUM SALT

**NZ Toxic Substance** N

**HSNO Hazard Classification** 6.1E 6.4A

**ERMA Approval Code** HSR003416

## 16. OTHER INFORMATION

**Literature References** No data available.

**Sources for Data** No data available.

Legend to Abbreviations and Acronyms

< less than

> greater than

**ADG** Australian Dangerous Goods Code

**AICS** Australian Inventory of Chemical Substances

**CAS** Chemical Abstracts Service (Registry Number)

**cm<sup>2</sup>** square centimetres

**CO<sub>2</sub>** Carbon Dioxide

**COD** Chemical Oxygen Demand

**deg C ( °C )** degrees Celsius

**ERMA** Environmental Risk Management Authority

**g** gram

**g/cm<sup>3</sup>** grams per cubic centimetre

**g/l** grams per litre

**HSNO** Hazardous Substance and New Organism

**IATA** International Air Transport Association Dangerous Goods Regulations

**IDLH** Immediately Dangerous to Life and Health

**IMDG** International Maritime Dangerous Goods Code

**immiscible** liquids are insoluble in each other

**kg** kilogram

**kg/m<sup>3</sup>** kilograms per cubic metre

**LC50** LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.

**LD50** LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals

**ltr** Litre

**m<sup>3</sup>** cubic metre

**mbar** millibar

**mg** milligram

**mg/24H** milligrams per 24 hours

**mg/kg** milligrams per kilogram

**mg/m<sup>3</sup>** milligrams per cubic metre

**Misc** miscible

**miscible** liquids form one homogeneous liquid phase regardless of the amount of either component present

**mm** millimetre

**mPa.s** milli Pascal per second

**N/A** Not Applicable

**NOHSC** National Occupational Health and Safety Commission

**OECD** Organization for Economic Co-operation and Development

**PEL** Permissible Exposure Limit

**ppb** parts per billion

**ppm** parts per million

**ppm/2h** parts per million per 2 hours

**ppm/6h** parts per million per 6 hours

**RCP** Reciprocal Calculation Procedure

**STEL** Short Term Exposure Limit

**TLV** Threshold Limit Value

**tne** tonne

**TWA** Time Weighted Average  
**ug/24H** micrograms per 24 hours  
**UN** United Nations (number)  
**wt** weight