



PRICE CHEMICALS PTY LIMITED

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MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION

Revision Date : July 2007

Product Name : SODIUM PERSULPHATE

Other Names : SODIUM PEROXYDISULPHATE PEROXYDISULPHURIC ACID, DISODIUM SALT

Uses : Bleaching agent (fats, oils, fabrics, soap), battery depolarisers. Initiators for emulsion polymerisation reactions such as acrylics, PVC, polystyrenes, neoprene, SBR and others. Also used for etching of printed circuits.

Organisation	Location	Telephone	Ask For
Price Chemicals Pty Ltd	10 Pile Road Somersby NSW Australia	+61 2 43401455	Technical Officer
Poisons Information Centre	Westmead NSW Australia	131126 1800-251525	
Chemcall	Australia	1800-127406	
	New Zealand	0800-243622	
National Poisons Centre	New Zealand	0800-764766	

2. HAZARD IDENTIFICATION

Hazardous according to criteria of NOHSC/ASCC

Dangerous According to the Australian Code for the Transport of Dangerous Goods

Classified as Dangerous Goods According to NZS 5433:1999

IRRITANT; OXIDIZING

Risk Phrases

R22 Harmful if swallowed.

R36/37/38 Irritating to eyes, respiratory system and skin.
R42/43 May cause sensitisation by inhalation and skin contact.
R8 Contact with combustible material may cause fire.

Safety Phrases

S3 Keep in a cool place.
S7 Keep container tightly closed.
S17 Keep away from combustible material.
S51 Use only in well ventilated areas.
S22 Do not breathe dust.
S24/25 Avoid contact with skin and eyes.
S27 Take off immediately all contaminated clothing.

ERMA New Zealand Approval Code : HSR001357

HSNO Hazard Classification : 5.1.1C 6.1D 6.3A 6.4A 6.5A 6.5B 9.1D 9.2C 9.3C

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Entity	CAS No.	Proportions (%)
PEROXYDISULFURIC ACID DISODIUM SALT	[7775-27-1]	90-100

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Swallowed

If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Eye

In case of eye contact, immediately flush with plenty of water for at least . 15 minutes.

Skin

In case of contact, flush skin with water.

Inhaled

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen. Prompt action is essential.

Advice to Doctor

Treat symptomatically based on judgement of doctor and individual reactions of patient.

Additional Information

Aggravated medical conditions caused by exposure

No information available.

5. FIRE FIGHTING MEASURES

Extinguishing Media

Fire-fighters should wear full protective clothing including self-contained breathing apparatus with full facepiece operated in positive pressure mode. Move exposed containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool. Not expected to be a fire hazard.

Hazards from Combustion Products

Strong oxidizer. Contact with combustible materials, flammable materials, or powdered metals can cause fire explosion. NOTE: Decomposes at melting point.

Special protective precautions and equipment for fire fighters

No Data Available

Flammability Conditions

Unstable.

Additional Information

Hazchem Code : 2W

6. ACCIDENTAL RELEASE MEASURES

Emergency procedures

Wear self-contained breathing apparatus and full protective clothing. Keep combustibles (wood, paper, oil, etc.) away from spilled material.

Methods and materials for containment and clean up

With clean shovel, carefully place material into clean dry container and cover, remove from area. Flush spill area with water.

7. HANDLING AND STORAGE

Precautions for safe handling

Ensure an eye bath and safety shower are available and ready for use.

Conditions for safe storage, including any incompatibles

Keep container tightly closed. Store separately and away from flammable and combustible materials. Isolate from incompatible materials. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for this product. Store away from Aluminum, magnesium, strong reducing agents, combustible materials, strong acids, strong bases, halides, iron and other heavy metals. Keep away from heat and moisture.

Container Type

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards

Sodium persulphate : TWA = 0.1 mg/m³ (ACGIH TLV)

Biological Limit Values

No Data Available

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. Please refer to the ACGIH document, Industrial Ventilation. A Manual of Recommended Practices, most recent edition, for details.

Personal Protection

Personal Respiratory (NIOSH approved): For conditions of use where exposure to the substance is apparent, consult an industrial hygienist. For emergencies or instances where the exposure levels are not known, use a full face-piece positive-pressure, air-supplied respirator. WARNING: Air purifying respirators do not protect workers in oxygen-deficient atmospheres. Skin protection: Wear impervious protective clothing, including boots, gloves lab coat, apron or coveralls, as appropriate, to prevent skin contact. Eye protection: Use chemical safety goggles and/or full face shield where dusting splashing of solutions is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White powder with no odour.
Formula	Na ₂ S ₂ O ₈
Odour	No Data Available
Vapour Pressure	Not Applicable
Vapour Density	No data
Boiling Point	Not available deg C
Melting Point	Not available deg C
Solubility in water	see below
Specific Gravity	2.40 (Water = 1)

Flash Point	Not Applicable
pH	6.0 (1% solution)
Flammability Limits (as percentage volume in air)	
Lower Explosion Limit	Not available
Upper Explosion Limit	Not available
Ignition Temperature	No Data
Specific Heat Value	No Data
Particle Size	No Data
Volatile Organic Compounds (VOC) content	No Data
Evaporation Rate	No Data
Viscosity	No Data
Percent Volatile	No Data
Octanol/Water partition coefficient	No Data
Saturated Vapour Concentration	No Data
Additional Characteristics	No Data
Flame Propagation/Burning Rate of Solid Materials	No Data
Properties of materials that may initiate or contribute to fire intensity	No Data
Potential for Dust Explosion	No Data
Reactions that Release Flammable Gases	No Data
Fast or Intensely Burning Characteristics	No Data
Non-flammables that could contribute unusual hazards to a fire	No Data
Release of invisible flammable vapours and gases	No Data
Decomposition Temperature	No Data

Additional Information

Solubility: Appreciable (>10%) %volatile by volume @21 deg C : 0 Vapor Density (Air=1): 8.0 Molecular Weight: 238.03

10. STABILITY AND REACTIVITY

Chemical Stability : No Data

Conditions to avoid : No Data

Incompatible Materials : No Data

Hazardous Decomposition Products : No Data

Hazardous Reactions : No Data

11. TOXICOLOGICAL INFORMATION

Toxicity Data

No data available.

Health Effects - Acute

Swallowed

Harmful if swallowed. May be fatal. Irritation and burns to mouth and stomach.

Eye

Severe irritation or burns.

Skin

Severe irritation or burns.

Inhaled

Irritation of upper respiratory tract.

12. ECOLOGICAL INFORMATION

Ecotoxicity : No Data

Persistence and degradability : No Data

Mobility : No Data

Additional information

Environmental fate (exposure) : No Data

Bioaccumulative potential : No Data

13. DISPOSAL CONSIDERATIONS**Disposal**

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Special Precautions for land fill or incineration

No Data Available

14. TRANSPORT INFORMATION

UN No.	1505
Shipping Name	SODIUM PERSULPHATE
Dangerous Goods Class	5.1
Subsidiary Risk	None Allocated
Pack Group	III
Precaution for User	IRRITANT; OXIDIZING
Hazchem Code	2W



15. REGULATORY INFORMATION

Poisons Schedule	N/A
EPG	31
AICS Name	PEROXYDISULPHURIC ACID (((HO)S(O)2)2O2), DISODIUM SALT
NZ Toxic Substance	N
Additional information	No Data

16. OTHER INFORMATION

Additional information

Legend to abbreviations and acronyms:

<	less than
>	greater than
AICS	Australian Inventory of Chemical Substances
CAS	Chemical Abstracts Service (Registry Number)
CO2	Carbon Dioxide
COD	Chemical Oxygen Demand
ERMA	Environmental Risk Management Authority
HSNO	Hazardous Substance and New Organism
IDLH	Immediately Dangerous to Life and Health
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
Misc	miscible
N/A	Not Applicable
NIOSH	National Institute for Occupational Safety and Health
NOHSC	National Occupational Health and Safety Commission
OECD	Organization for Economic Co-operation and Development
PEL	Permissible Exposure Limit
RCP	Reciprocal Calculation Procedure
STEL	Short Term Exposure Limit

TLV	Threshold Limit Value
TWA	Time Weighted Average
UN	United Nations (number)
cm ²	square centimetres
deg C ('C)	degrees Celsius
g	gram
g/cm ³	grams per cubic centimetre
g/l	grams per litre
immiscible	liquids are insoluble in each other
kg	kilogram
kg/m ³	kilograms per cubic metre
ltr	Litre
m ³	cubic metre
mPa.s	milli Pascal per second
mbar	millibar
mg	milligram
mg/24H	milligrams per 24 hours
mg/kg	milligrams per kilogram
mg/m ³	milligrams per cubic metre
miscible	liquids form one homogeneous liquid phase regardless of the amount of either component present
mm	millimetre
ppb	parts per billion
ppm	parts per million
ppm/2h	parts per million per 2 hours
ppm/6h	parts per million per 6 hours
tne	tonne
ug/24H	micrograms per 24 hours
wt	weight

Literature references:

No Data

Sources for data:

No Data

This MSDS summarises Price Chemicals Pty Ltd best knowledge of the health and safety hazard information of the selected substance and how to safely handle the selected substance in the workplace however Price Chemicals Pty Ltd expressly disclaims that the MSDS is a representation or guarantee of the chemical specifications for the substance. Each user should read the MSDS and consider the information in the context of how the selected substance will be handled and used in the workplace including its use in conjunction with other substances.