

Material Safety Data Sheet

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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Web Site	www.sosafe.com.au
Supplier Name	SO SAFE SPECIALTY PRODUCTS PTY LTD
PRODUCT NAME	Metal Bright
Use(s)	Metal Cleaner, Rust Remover, Tarnish Remover, Acidic Cleaner
Synonym(s)	None
MSDS Date	1 February 2013

2. HAZARDS IDENTIFICATION

CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA
CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

RISK PHRASES	R34 Causes burns.
SAFETY PHRASES	S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre. S36/37/39 Wear suitable protective clothing, gloves and eye/face protection. S45 In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately (show the label where possible).

UN No.	1760	Hazchem Code	2X
Pkg Group	III	Subsidiary Risk(s)	None Allocated
DG Class	8	EPG	8A1

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Content
PHOSPHONIC ACID	13598-36-2	< 10%
HYDROXYETHANEDIPHOSPHONIC ACID	2809-21-4	10 – 30%
SURFACTANT	N/A	10 – 30%
WATER	7732-18-5	balance

4. FIRST AID MEASURES

Eye	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poison Information Centre or a doctor, or for at least 15 minutes.
Skin	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
Inhalation	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.
Ingestion	For advice, contact a Poison Information Centre or a doctor (at once).
Advice to Doctor	Treat symptomatically

5. FIRE FIGHTING MEASURES

Fire and Explosion	Non flammable. No fire or explosion hazard exists. May evolve phosphine, carbon dioxide and phosphorus oxides when heated to decomposition.
Extinguishing	Non flammable. Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. Use waterfog to cool intact containers and nearby storage areas.
Flammability	Non flammable. May evolve toxic gases if strongly heated.
Hazchem Code	2X

6. ACCIDENTAL RELEASE MEASURES

Spillage If spilt, mop up area and wash residue down with water. For large spills (bulk), wear goggles and PVC/rubber gloves, absorb with sand or similar, collect and place in sealed containers for disposal. Wash spill site down with water.

7. STORAGE AND HANDLING

Store in cool, dry, well ventilated area, removed from moisture, oxidising agents, alkalis, heat sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.

Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Stds No exposure standard(s) allocated.
Biological Limits No biological limit allocated.
Engineering Controls Ensure adequate natural ventilation.
PPE Wear splash-proof goggles and rubber or PVC gloves. When using large quantities or where heavy contamination is likely, wear coveralls. Where an inhalation risk exists, wear a Type A (Organic vapour) Respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	CLEAR COLOURLESS LIQUID	Odour	SLIGHT ODOUR
pH 2 (Approximately) %		Vapour Pressure	NOT AVAILABLE
Vapour Density	NOT AVAILABLE	Boiling Point	> 100°C
Melting Point	NOT AVAILABLE	Evaporation Rate	NOT AVAILABLE
Solubility (water)	NOT AVAILABLE	Density	1 g/mL
Volatiles	70 % (Approximately)	Specific Gravity	NOT AVAILABLE
Flash Point	NOT RELEVANT	Flammability	NON FLAMMABLE
		Autoignition Temperature	NOT AVAILABLE

10. STABILITY AND REACTIVITY

Material to Avoid Incompatible with oxidising agents (eg. hypochlorites, peroxides) and alkalis (eg. hydroxides). Decomposition May evolve phosphine, carbon dioxide and phosphorus oxides when heated to decomposition.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary

This product may only present a hazard with eye or skin contact. Due to the low vapour pressure inhalation hazard is not anticipated under normal conditions of use. Upon dilution, the potential for corrosive effects will be reduced

Eye	May result in pain, redness, corneal burns and ulceration with possible permanent damage with prolonged contact.
Inhalation	Overexposure may result in nausea, vomiting, dizziness, respiratory tract/ mucous membrane irritation and ulceration. Due to low vapour pressure of this product, an inhalation hazard is not anticipated under normal conditions of use.
Skin	Prolonged contact may result in irritation, itching and possible skin rash. Ingestion May result in nausea and vomiting.
Toxicity Data	PHOSPHONIC ACID (13598-36-2) LD50 (Ingestion): 1700 mg/kg (mouse) HYDROXYETHANEDIPHOS- PHONIC ACID (2809-21-4) LD50 (Ingestion): 1800 mg/kg (mouse)

12. ECOLOGICAL INFORMATION

Environment Environment Limited ecotoxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment.

13. DISPOSAL CONSIDERATIONS

Legislation Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION

CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

UN No.	1760	Pkg Group	III
DG Class	8	Hazchem Code	2X
Subsidiary Risk(s)	None Allocated	EPG	8A1

15. REGULATORY INFORMATION

Poison Schedule	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).
AICS	All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

Additional Information

ABBREVIATIONS:

ADB - Air-Dry Basis.

BEI - Biological Exposure Indice(s)

CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.

CNS - Central Nervous System.

EINECS - European INventory of Existing Commercial chemical Substances.

IARC - International Agency for Research on Cancer.

M - moles per litre, a unit of concentration.

mg/m³ - Milligrams per cubic metre.

NOS - Not Otherwise Specified.

NTP - National Toxicology Program.

OSHA - Occupational Safety and Health Administration.

pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).

ppm - Parts Per Million.

RTECS - Registry of Toxic Effects of Chemical Substances.

TWA/ES - Time Weighted Average or Exposure Standard.

16. OTHER INFORMATION

Report Status This document is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from So Safe.

End of Report