

MATERIAL SAFETY DATA SHEET

CLASSIFICATION OF MATERIAL:

Hazardous under Worksafe Australia Guidelines

COMPANY DETAILS

COMPANY	Delshine Chemicals
ABN NUMBER	21 009 447 769
ADDRESS	30 Prindiville Drive, Wangara
FACSIMILE NUMBER	(08) 9309 4334
TELEPHONE NUMBER	(08) 9309 4222
NUMBER (after hours)	041 992 7281
Email	delshine-chemicals@bigpond.com

IDENTIFICATION

Product Name: Phosphoric Acid 85%

Other Names: Orthophosphoric Acid

UN Number: 1805

Hazchem Code: 2R Packaging Group: 111

Dangerous Goods Class: 8

Sub Risk: Not Applicable

Poisons Schedule: S5

Use: Technical Grade Acid.

PHYSICAL DESCRIPTION / PROPERTIES

Appearance: Syrupy, clear liquid with sharp, acrid odour.

Boiling Point (°C): Not data

Melting Point: No data

Specific Gravity Kg/Lt: 1.69

Vapour Pressure

(Pa or mm of Hg at 25°C): No data

Flashpoint (°C): Not Applicable

Physical Descriptions/Properties cont.

Flammability Limits (%): Not Applicable

Solubility in Water (g/L): Complete PH: Not pertinent

Other properties: Not applicable

INGREDIENTS

Chemical Entity:	CAS No:	Proportion (% mass)
Phosphoric Acid	7664-38-2	>60%

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

Swallowed: Ingestion will cause severe burning to mouth, throat and gastric tract. Burns are painful and severe stomach cramp, followed by unconsciousness can occur

Eye: Corrosive. Causes burns to the eye which can result in permanent damage or blindness.

Skin: Corrosive. Contact can cause pain and ulceration and burns to the skin.

Inhaled: Inhalation of vapour is highly irritating to the upper respiratory tract causing shortness of breath, burning sensation and coughing. Inhalation of mists can cause serious and possibly fatal chemical pneumonia.

Chronic: No data.

FIRST AID

Swallowed: Do not induce vomiting, give 1-2 glasses of water to drink and seek immediate medical attention.

Eye: Hold effected eye open and flush with running water for at least 15 minutes. Seek immediate medical attention.

Skin: Remove contaminated clothing and wash effected area well with water. If burns occur see a doctor. Launder clothing before re-use.

Inhaled: Remove patient to fresh air and keep warm and rested. If breathing difficulty occurs have trained personnel administer oxygen and transport to doctor or hospital.

First Aid cont.

Advice to Doctor: Treat symptomatically.

First Aid Facilities: Ensure an eye bath and safety shower are available and ready for use.

PRECAUTIONS FOR USE

Exposure Standards

MATERIAL	TWA	STEL
Phosphoric	1mg/m ³	3mg/m ³

Engineering Controls: Use ventilation to keep below recommended exposure standards. Can generate flammable gases on contact with metals.

PERSONAL PROTECTION

Eye: Chemical safety glasses or face shield.

Hand: PVC Gloves.

Respirator Type: If inhalation hazard exists use an approved acid gas respirator selected to AS 1715.

Protective Clothing: PVC coveralls, safety boots.

SAFE HANDLING INFORMATION

Storage: Store in a cool, dry, well ventilated area. Reseal containers after use. Store in accordance with AS 3780 and Dangerous Goods regulations.

Transport: Transport in accordance with ADG code on Class 8 materials.

Incompatibilities: Avoid contacts with metals, strong alkalis, organic materials and cyanides.

Spills: Contain large spills and prevent from entering drains or water courses. Slowly dilute material with water and neutralize with soda ash or lime and absorb on sand or vermiculate. Collect waste in clean, labelled containers for disposal. Residues and small spills may be neutralized by slowly adding water and then soda ash or lime. Flush to drain with excess water when neutralized.

Disposal: Refer to local and state trade waste regulations.

Safe Handling Information cont.

Flammability: Not combustible.

Fire/Explosion Hazard: Can generate hydrogen gas in contact with metal. Thermal decomposition can generate toxic fumes Po_x.

Acceptable Extinguishing
Methods: Water fog, foam, dry chemical. CO₂.

OTHER INFORMATION

Hazard Classification

C Corrosive

Risk Phrases

R34 Causes Burns

Safety Phrases

S2 Keep out of reach of children.

CONTACT POINT – Les Buss – TELEPHONE (08) 9309 4222

AUTHORISATION FOR ISSUE

_____ **Les Buss**

DATE

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