

# MATERIAL SAFETY DATA SHEET

## Section 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

COMPANY	Delshine Chemicals
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TELEPHONE NUMBER	(08) 9309 4222
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EMAIL	<a href="mailto:delshine-chemicals@bigpond.com">delshine-chemicals@bigpond.com</a>
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BRAND NAME – W.T CLEANER  
TRADE NAME – W.T CLEANER  
SHIPPING NAME ( section 14 ) CORROSIVE LIQUID N.O.S ( PHOSPHORIC ACID )

USE – CLEANING AND SANITISING SAFETY VALVES AND TRAPS IN WATERLESS TOILETS

RESTRICTIONS – KEEP AWAY FROM METALS

## Section 2 HAZARDS CLASSIFICATION / IDENTIFICATION

**CLASSIFIED AS : HAZARDOUS – According to the criteria of NOHSC and Classified as a Dangerous good according to the ADG code.**

**UN NUMBER : 1760**

**Emergency Overview** - Corrosive . May be harmful if swallowed . Causes eye and skin burns. May cause severe respiratory and digestive tract irritation with possible burns.

Target Organs – None

Potential Health Effects –

**Eye** – May cause irreversible eye injury. Contact with liquid is corrosive to the eyes and causes severe burns.

**Skin** – Contact with liquid is corrosive and causes severe burns and ulcerations.

**Ingestion** – Causes severe pain , nausea , vomiting , diarrhoea and shock. May cause haemorrhaging of the digestive tract. May cause corrosion and permanent tissue destruction of the oesophagus and digestive tract. May be harmful if swallowed.

**Inhalation** – Irritation may lead to chemical pneumonitis and pulmonary oedema. Causes severe irritation of the upper respiratory tract with coughing , burns , breathing difficulty and possible coma.

## CONTINUE HAZARDS CLASSIFICATION / IDENTIFICATION

**Chronic** - Prolonged inhalation may cause respiratory tract inflammation and lung damage. Prolonged or repeated skin contact causes dermatitis. Prolonged or repeated eye contact may cause conjunctivitis.

**Risk Phases** – **R34** Causes burns

**R41** Risk of serious damage to eyes

**Safety Phases** – **S1/2** Keep locked up and out of reach of children

**S26** In case of contact with eyes rinse immediately with plenty of water and seek medical advice.

**S36/38** Irritating to eyes and skin

**S45** In case of accident or you feel unwell seek medical advice immediately  
( show label whenever possible )

## Section 3 COMPOSITION / INFORMATION OF INGREDIENTS

**Chemical Entity:**

Phosphoric Acid

**CAS No:**

7664-38-2

**Proportion (% mass)**

10 - 30

## Section 4 FIRST AID MEASURES

**Eyes** – Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

**Skin** – Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Discard contaminated clothing in a manner which limits further exposure. Get medical aid immediately.

**Ingestion** – DO NOT induce vomiting. If victim is conscious and alert give 2 – 4 cupfuls of water or milk. Get medical aid immediately.

**Inhalation** – Remove from exposure to fresh air immediately. If not breathing give artificial respiration. If breathing is difficult give oxygen. DO NOT use mouth to mouth respiration.

**Notes to physician** – treat symptomatically and supportively.

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

## Section 5 FIRE FIGHTING MEASURES

**General Information** – During a fire irritating and highly toxic gases may be generated by thermal decomposition or combustion. Wear appropriate protective clothing to prevent contact with skin and eyes.

**Extinguishing Media** – For small fires use water spray, dry chemical, carbon dioxide or chemical foam. DO NOT get water inside containers. For large fires use dry chemical, carbon dioxide, alcohol resistant foam or water spray. Cool containers with flooding quantities of water until well after fire is out.

**Explosion Limits** – Lower : Not available Upper : Not available

## **Section 6 ACCIDENTAL RELEASE MEASURES**

**General Information** – use proper personal protective equipment as indicated in Section 8.

**Spills and Leaks** – Clean up spills immediately, observing precautions in the Protective Equipment section. Cover with sand, dry lime or soda ash and place in a closed container for disposal. Remove all sources of ignition. Flush spill area with water. Do NOT get water inside containers.

## **Section 7 HANDLING AND STORAGE**

**Handling** – Wash thoroughly after handling. Use only in a well ventilated area. Keep container tightly closed. Do not get on skin or in eyes. Do not ingest or inhale. Discard contaminated shoes.

**Storage** – Store in a tightly closed container. Store in cool dry well ventilated area away from incompatible substances. Keep away from metals. Corrosive area. Do not store in metal containers.

## **Section 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering Controls** – Facilities storing or utilizing this material should be equipped with an eye wash facility and safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

**NOHSC exposure standards**- Phosphoric acid : TWA 1mg/m<sup>3</sup> STEL 3mg/m<sup>3</sup>.

**Personal Protective Equipment** –

**Eyes** – Wear appropriate eyeglasses or chemical safety goggles as described by OSHA'S eye and face protection regulations in 29 CFR 1910.133 or European standards EN 166.

**Skin** – Wear appropriate gloves to prevent skin exposure.

**Clothing** – Wear appropriate protective clothing to prevent skin exposure.

**Respirators** – NOHSC Wear AS 1715/1716 approved full face piece airline respirator in the positive pressure mode with emergence escape provisions.

## **Section 9 PHYSICAL & CHEMICAL PROPERTIES**

**APPEARANCE** - Clear

**ODOUR** - Acidic

**PH** 1.15

**VAPOUR PRESSURE** 0.03mm hg@20°C

**BOILING POINT °C**- Not available

**VAPOUR DENSITY** 3.4

**FREEZING POINT °C** – Not available

**SOLUBILITY** - Miscible

**SPECIFIC GRAVITY** 1.2

**ADDITIONAL INFORMATION**

## **Section 10 STABILITY & REACTIVITY**

**Chemical Stability** – Stable under normal temperatures and pressures.

**Conditions to Avoid** – Incompatible materials , metals , excess heat.

**Incompatibilities with Other Materials** – Reacts with alkalis ( bases ) to form phosphate salts and is corrosive ( especially when hot ) to many metals and alloys. Liberates explosive hydrogen gas when reacting with stainless steel ( Slow ).

**Hazardous Decomposition Products** – Oxides of phosphorus.

**Hazardous Polymerisation** – May occur.

## **Section 11 TOXICOLOGICAL INFORMATION**

Phosphoric Acid – LD50/LC50 : Oral ,rat : LD50 = 1530 mg/kg ; Skin , rabbit : LD50 = 2740 mg/kg.

Carcinogenicity : Phosphoric acid – Not listed by ACGIH , IARC , NIOSH , NTP , or OSHA.

## **Section 12 ECOLOGICAL INFORMATION**

Phosphoric Acid – Ecotoxicity : Shore crab LC50 = 240 mg/L48H Chronic plant toxicity = 100 ppm ;

Environment Fate – Not available ; Physical / Chemical – not available.

## **Section 13 DISPOSAL CONSIDERATIONS**

Dispose of in a manner consistent with Federal , State and local regulations.

## **Section 14 TRANSPORT INFORMATION**

**UN NUMBER : 1760 UN PROPER SHIPPING NAME : Corrosive Liquid N.O.S  
( Phosphoric Acid )**

**CLASS: 8**

**PACKING GROUP: 111**

**HAZCHEM CODE: 2 X**

## **Section 15 REGULATORY INFORMATION**

**Australian Inventory of Chemical Substances – Listed on the AICS**

**NOHSC ( worksafe ) Labelling -** Hazardous Symbol : C Corrosive : Risk Phases –

R34 Causes burns , R41 Risk of serious damage to eyes .Safety Phases – S1/2 Keep locked up and out of reach of children, S26 In case of contact with eyes rinse immediately with plenty of water and seek medical advice, S36/38 Irritating to skin and eyes S45 In case of accident or you feel unwell seek medical advice immediately ( show label whenever possible )

**SUSDP Poisons Schedule – S6.** Safety Directions – Corrosive . May produce severe burns.

Attacks skin and eyes. Wear eye protection when mixing or using. First Aid Instructions

For advice contact a Poisons Information Centre ( 131 126 ) or a doctor ( at once ). If swallowed DO NOT induce vomiting. If in eyes hold eye lids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor or for at least 15 minutes. If skin or hair contact occurs , remove contaminated clothing and flush skin and hair with running water.

**Section 16**

**OTHER INFORMATION**

**DATE OF LAST REVISION OF MATERIAL SAFETY DATA SHEET :**

**26<sup>th</sup> June 2009**

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**AUTHORISATION FOR ISSUE**

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**DATE**

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**Les Buss**

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*END OF M.S.D.S*