

Infosafe No™ HC04Y Issue Date : May 2010 ISSUED by HYDROCHM CS: 1.4.22

Product Name **COILKLEEN**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name COILKLEEN
Company Name Hydro-Chem Pty Ltd
Address 27 Viking Court Cheltenham
 VIC 3192
Telephone/Fax Number Tel: (03) 9553 1011
 Fax: (03) 9553 1387
Recommended Use An acidic cleaning agent for evaporative coils made of aluminium, iron and stainless steel.

2. HAZARDS IDENTIFICATION

Hazard Classification HAZARDOUS SUBSTANCE.
 DANGEROUS GOODS.
 Hazard classification according to the criteria of NOHSC.
 Dangerous goods classification according to the Australia Dangerous Goods Code.
Risk Phrase(s) R34 Causes burns.
Safety Phrase(s) 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.
 S45 In case of accident or if you feel unwell seek medical advice immediately

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization Information on Composition Liquid
 All ingredient in this product are listed on the Australian Inventory of Chemical Substances (AICS).

Ingredients	Name	CAS	Proportion
	Phosphoric acid	7664-38-2	10-60 %
	Water	7732-18-5	TO 100%

4. FIRST AID MEASURES

Inhalation Remove victim to fresh air. Seek medical advice if effects persist.
Ingestion Do not induce vomiting. Give plenty of water to drink. Seek medical attention.
Skin Wash with plenty of soap and water. Seek medical attention.
Eye Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical attention.
Advice to Doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Specific Hazards EXTINGUISHING MEDIA: Water jets, Water fog or Spray, foam, Dry agent, CO2.
 SPECIAL FIRE FIGHTING PROCEDURES: No special requirements.
Hazchem Code 2R

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal IN CASE MATERIAL IS SPILLED OR RELEASED : Major spills should be contained, absorbed on sand or earth etc. and placed in sealed drums for disposal.
 Wash area down with large quantities of water. Minor spills and residues may be hosed down with excess water.
 WASTE DISPOSAL METHODS: Refer to State Land Waste Management Authority.
 Normally suitable for disposal at approved land waste site.

7. HANDLING AND STORAGE

Precautions for Safe Handling Handle and open containers with care. Do not empty into drains Avoid prolonged or repeated contact with skin, eyes and clothing . Ensure the appropriate personal protective equipment is used when handling this material.

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Conditions for Safe Storage Keep only in original container. Keep container tightly closed and dry Keep away from children, foodstuffs and animal feed Keep away from direct sunlight and other sources of heat or ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards Phosphoric Acid :
 Threshold Limit Value (TLV) : TWA = 1 mg/m3
 STEL = 3 mg/m3

Engineering Controls Use with adequate ventilation.

Personal Protective Equipment Wearing of the following personal protective equipment may be advisable. PVC or rubber gloves. Safety glasses, goggles or faceshield as appropriate. Splash apron. Boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form Liquid

Appearance A dark green liquid with no distinct odour.

Boiling Point 100°C

Specific Gravity 1.328 @ 20°C

pH Value 1.0

Vapour Pressure 0.0285 mmHg @ 20°C

Flash Point None

Flammability Not flammable under conditions of use.

Flammable Limits - Lower Not known

Other Information Solubility in water : 100%

10. STABILITY AND REACTIVITY

Hazardous Reactions STABILITY : Stable
 CONDITIONS TO AVOID : None
 HAZARDOUS DECOMPOSITION PRODUCTS: When heated to decomposition, can emit fumes of POx
 HAZARDOUS POLYMERIZATION: Will not occur.
 INCOMPATIBILITY (Materials to avoid): Strong alkalis.

11. TOXICOLOGICAL INFORMATION

Toxicology Information Phosphoric Acid : Oral LD50 (rat) = 1530 mg/kg.
 Strong mineral acid, corrosive to all tissues.

Inhalation Does not present an inhalation hazard.

Ingestion May cause severe burns to the mouth, throat and stomach. Ingestion can result in nausea, vomiting, diarrhoea, abdominal pain, and/or convulsions.

Skin Corrosive to skin - may cause skin burns.

Eye Corrosive to eyes; contact can cause corneal burns.

Chronic Effects There have been no reports in the literature of health effects in workers from long term exposure.

12. ECOLOGICAL INFORMATION

Ecotoxicity Ecotoxicity Value: Phosphoric Acid
 Tlm mosquito fish = 138 mg/L/24-96 hr in turbid water at 22-24°C.
 Thoroughly flush residue with water but do not contaminate waterways. This product is toxic to fish and aquatic invertebrates.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Refer to State Land Waste Management Authority or a Licensed disposal contractor for disposal.
 Empty containers must be decontaminated, rinse with water before landfill

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disposal.

14. TRANSPORT INFORMATION

U.N. Number	1805
DG Class	8
Hazchem Code	2R
Packaging Method	3.8.8RT8
Packing Group	III
Storage and Transport	Must be stored and transported in accordance with State and Territory Dangerous Goods Regulations.
IERG Number	37

15. REGULATORY INFORMATION

Poisons Schedule	S6
Packaging & Labelling	Dangerous Goods Class : 8 Packaging Group : III
Hazard Category	Corrosive

16. OTHER INFORMATION

Contact

Person/Point Normal Working Hours - Ph: (03) 9553 1011 Fax: (03) 9553 1387
Ask for the Facilities Manager, Sales Manager or Services Manager.
After Hours - Ph : 1300 558 788

Further information/advice is available to those persons responsible for the design of safe work practices on their written request to HydroChem. This MSDS summarises to the best of our knowledge at the date of issue, the health and safety hazard information of the selected substance and how to safely handle the selected substance in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace, including in conjunction with other products.

Hydro-Chem Pty Ltd responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request. If clarification or further information is required, the user should contact Hydro-Chem Pty Ltd using the contact details provided.
...End Of MSDS...

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