

# Safety Data Sheet

Infosafe No™ ACE7M Issue Date : August 2021 ISSUED by ACECHEM

Product Name **COBALT (II) SULPHATE HEPTAHYDRATE**

Classified as hazardous

## 1. Identification

**GHS Product Identifier** COBALT(II) SULPHATE HEPTAHYDRATE  
**Company Name** ACE CHEMICAL COMPANY (ABN 35619819300)  
**Address** 119A Mooringe Avenue Camden Park  
SA 5038 AUSTRALIA  
**Telephone/Fax Number** Tel: 08-8376 0844  
Fax: 08-8295 8563  
**Emergency phone number** 0438760844  
**E-mail Address** acechem@bigpond.com

## 2. Hazard Identification

**GHS classification of the substance/mixture** Acute Toxicity - Oral: Category 4  
Carcinogenicity category 1B  
Hazardous to the Aquatic Environment - Acute Hazard: Category 1  
Hazardous to the Aquatic Environment - Long-Term Hazard: Category 1  
Sensitization - Respiratory: Category 1  
Sensitization - Skin: Category 1  
Toxic to Reproduction: Category 1B

**Signal Word (s)** DANGER

**Hazard Statement (s)** H302 Harmful if swallowed.  
H317 May cause an allergic skin reaction.  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.  
H350 May cause cancer .  
H360 May damage fertility or the unborn child .  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.

**Pictogram (s)** Exclamation mark, Health hazard, Environment



**Precautionary statement – Prevention** P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash contaminated skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P281 Use personal protective equipment as required.  
P285 In case of inadequate ventilation wear respiratory protection.

**Precautionary statement – Response** P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P308+P313 IF exposed or concerned: Get medical advice/attention.  
P330 Rinse mouth.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.  
P363 Wash contaminated clothing before reuse.  
P391 Collect spillage.

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**Precautionary statement – Storage** P405 Store locked up.

**Precautionary statement – Disposal** P501 Dispose of contents/container to .

**Other Information** See Health Hazard Data.

### 3. Composition/information on ingredients

Ingredients	Name	CAS	Proportion
	Cobalt(Ii) Sulfate Heptahydrate	10026-24-1	100 %

### 4. First-aid measures

**Inhalation** Remove from exposure, rest and keep warm. In severe cases obtain medical attention.

**Ingestion** Wash out mouth thoroughly with water and give plenty of water to drink. OBTAIN MEDICAL ATTENTION. Contact a doctor or Poisons Information Centre. Phone 13 1126.

**Skin** Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use. In severe cases, OBTAIN MEDICAL ATTENTION.

**Eye contact** Hold eyes open, flood with water for at least 15 minutes and see a doctor.

**First Aid Facilities** Safety shower. Eyewash facilities.

**Advice to Doctor** Treat symptomatically.

### 5. Fire-fighting measures

**Specific Methods** Not applicable to this product.  
Use extinguisher relative to the combustible materials on fire.

**Hazchem Code** None Allocated

### 6. Accidental release measures

**Spills & Disposal** Wear appropriate protective clothing. If local regulations permit, mop up with plenty of water and run to waste, diluting greatly with running water. Otherwise transfer to container and arrange removal by disposal company. Wash site of spillage thoroughly with detergent and water. For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

### 7. Handling and storage

**Precautions for Safe Handling** Under no circumstances eat, drink or smoke while handling this material. Do not breathe dust. Wash hands and face thoroughly after working with material. Contaminated clothing should be removed and washed before re-use.

**Conditions for safe storage, including any incompatibilities** Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

### 8. Exposure controls/personal protection

**Exposure Controls, Personal Protection** As appropriate to quantity handled.

**Occupational exposure limit values**

	MEL, Long-term, mg/m3	TWA	STEL	CARCIN	NOTE
Cobalt(ii) Sulfate Heptahydrate	0.1	-	-	-	-

**Respiratory Protection** Dust respirator. Ensure respirator is clean, well-fitting and in good working order. All respirators should comply with Australian Standard AS 1716 and be used in accordance with AS 1715.

**Eye Protection** Goggles or face-shield

**Hand Protection** Rubber or plastic

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**Other Information** Ventilation: Extraction hood  
Plastic apron, sleeves, boots - if handling large quantities

## 9. Physical and chemical properties

**Colour** pink  
**Odour** odourless  
**Melting Point** 98°C  
**Boiling Point** Not applicable  
**Solubility in Water** Soluble  
**Specific Gravity** 1.95  
**pH** 4 (100g/l H<sub>2</sub>O)  
**Vapour Pressure** No data  
**Vapour Density (Air=1)** No data  
**Flash Point** No data.  
**Flammability** May evolve toxic fumes in fire.  
**Auto-Ignition Temperature** Not applicable  
**Flammable Limits - Lower** No data  
**Flammable Limits - Upper** No data  
**Other Information** Log P(o / w): No data  
Chemical Characteristics: Inorganic salt

## 10. Stability and reactivity

**Chemical Stability** releases water of crystallization when heated..  
**Possibility of hazardous reactions** No data

## 11. Toxicological Information

**Toxicology Information** LD50 768 mg/kg oral, rat. Should be treated as a suspected carcinogen. May cause adverse mutagenic or teratogenic effects.  
**Ingestion** See Health Hazard Data.  
**Inhalation** See Health Hazard Data.  
**Skin** See Health Hazard Data.  
**Health Hazard** After ingestion: diarrhoea.  
Systemic effect: lack of appetite, drop in blood pressure, agitation, spasms.  
Toxic effect on: kidneys, heart, pancreas.  
After inhalation of dust: Animal experiments performed under conditions comparable with the workplace situation have shown the substance to be carcinogenic.  
Classified as a cause of asthma using EU criteria.  
**Chronic Effects** See Health Hazard Data.

## 12. Ecological information

**Information on Ecological Effects** Do not allow to enter drinking water supplies, waste water, or soil!

## 13. Disposal considerations

**Waste Disposal** Chemical residues are generally classified as special waste, and as such are covered by regulations, which vary according to location. We strongly

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recommend that you retain the services of a licensed Waste Disposal Company to dispose of your waste.  
Rinse out empty containers thoroughly before disposal or recycling.  
The containers recommended A, B, C etc allow for the consolidation of similar types of waste prior to professional disposal.  
Heavy-metal-containing solutions and solids container E.  
Stir Raney nickel (also: Urushibara nickel) in the form of an aqueous suspension into hydrochloric acid (Cat. No. 1.00312) until dissolved (container E). Neither Raney nickel itself nor any filter residues should be allowed to dry out, otherwise they will spontaneously ignite in air.

## 14. Transport information

**U.N. Number** 3077  
**UN proper shipping name** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
**Transport hazard class(es)** None allocated.  
**Hazchem Code** None Allocated  
**Packing Group** None allocated.  
**EPG Number** 9C1  
**IERG Number** 47

## 15. Regulatory information

**Poisons Schedule** Not Scheduled  
**Symbol** Xn

## 16. Other Information

**Other Information** 1008400  
...End Of MSDS...

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