



## SAFETY DATA SHEET

### 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : C 12717  
Product Name : Cobalt sulphate

#### Manufacturer / supplier identification

Company : NICE Chemicals (P) Ltd. , Cochin , India  
Tel - 0484 2800212 , 2802755

Contact For Information : Tel . No. – 0484 2802536 Fax : 0484 2802483

Emergency Telephone No. : 0484 2801583 Telefax No. : 0484 2802483

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS-No : 10026-24-1  
Molar mass : 281.10  
EC-No. : 233-334-2  
Molecular Formula:  $\text{Co O}_4\text{S} \cdot 7 \text{H}_2\text{O}$

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### 3. HAZARDS IDENTIFICATION

Harmful if swallowed. Possible risks of irreversible effects. May cause sensitisation by skin contact

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### 4. FIRST AID MEASURES

After skin contact: wash off with plenty of water .Remove contaminated clothing.

After eye contact: rinse out with plenty of water with eyelids held open.

After swallowing: Make victim drink plenty of water, induce vomiting. Immediately summon doctor. After inhalation: fresh air.

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### 5. FIRE – FIGHTING MEASURES

Suitable extinguishing media : In adaption to the materials stored in the neighbourhood.

Special risks : The following may develop in event of fire. : sulphur oxide.

Other information: Non combustible.

Special protective equipment for fire fighting: Do not stay in dangerous zone without self contained breathing apparatus.

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### 6. ACCIDENTAL RELEASE MEASURES

person related precautionary measures. Avoid inhalation of dusts.

Procedures for cleaning/ absorption:

Take up dry , forward for disposal. Clean up affected area. Avoid generation of dusts.

Environmental- Protection measures: Do not allow to enter sewage system.

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### 7. HANDLING AND STORAGE

Handling : No further requirements.

Storage : Tightly closed. Dry. In a well ventilated place.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection : required when dusts are generated .

Eye protection : required

Hand protection : required

Protective clothing should be selected for the working place depending on concentration and quantity of the hazardous substance handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier  
Industrial hygiene : Change contaminated clothing . Wash hands after working with substance

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### 9. PHYSICAL AND CHEMICAL PROPERTIES :

Form : solid  
Colour : reddish brown  
Odour : odourless  
PH value( 20<sup>0</sup> C) : near 4  
Melting temperature: near 98 <sup>0</sup> C  
Boiling temperature : not available  
Ignition temperature: not available  
Flash point : not available  
Explosion limits lower: not available  
Upper : Not available  
Relative vapour density: Not available  
Density (20<sup>0</sup> C) : 1.95 g/cm<sup>3</sup>  
Solubility in  
water ( 20<sup>0</sup> C): 260 g/l

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### 10. STABILITY AND REACTIVITY

Conditions to be avoided : no information available

Substance to be avoided : no information available

Hazardous decomposition products : no information available

Further information: releasing water of crystallization: when heated strongly.

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### 11. TOXICOLOGICAL INFORMATION

Acute toxicity:LD<sub>50</sub> (oral, rat): 582mg/kg

Subacute to chronic toxicity:The carcinogenic potential requires further clarification.

Further toxicological information:

After skin contact: risk of sensitization

After swallowing: diarrhoea.

Systemic effects: lack of appetite, drop in blood pressure, agitation, spasms.

Toxic effect on: kidneys, heart, pancreas.

Further data:

Further hazardous properties cannot be excluded.

The product should be handled with due care and attention when dealing with chemicals.

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### 12. ECOLOGICAL INFORMATION

Ecotoxic effects:Biological effects: Toxic for aquatic organisms.

Further ecologic data:Do not allow to enter waters, waste waters, or soil !.

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### 13. DISPOSAL METHOD

**Product :** There are no uniform EC regulations for The disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws and regulations . We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste .

**Packaging :** Disposal in compliance with official Regulations . Handle contaminated packaging as In the same way as the substance itself . If not officially specified differently , non – contaminated packaging may be treated like household waste or recycled.

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**14. TRANSPORT INFORMATION** : not subject to transport regulations.

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**15. REGULATORY INFORMATION** :

Labelling according to EC Directives

Symbol : Xn Harmful  
R- Phrases : 22-40-43 Harmful if swallowed . Possible risks of irreversible effects. May cause sensitisation by skin contact.  
S-phrases : 36/37 Wear eye/ face protection.

Water pollution class : 2 (polluting substance)

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### 16. OTHER INFORMATION

#### Reason for alteration

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions . It does not represent a guarantee of the properties of the product.

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