1. Product and Company Identifaction

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Product Name : RXSOL-68-6828-025
Product Type :COBALT (II) CHLORIDE LR (HEXAHYDRATE)

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Stock Point : Mumbai, Kandla, Chennai, Visakhapatnam, Kolkata, Fujairah, Muscat Barka

Phone	+91 22 27815541 / 42
Fax	+91 22 2781 1318 :::AOH :0091 9821214367
Email	mail@rxmarine.com

2. Composition / Information on ingredients

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Substance / Preparation: COBALT (II) CHLORIDE LR (HEXAHYDRATE)

CAS No :7791-13-1

Substance.

Contains no other components or impurities which will influence the classification of the

product

3. Hazards Identification

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3.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Classification : Xn; R22

Xn ; R42/43

N; R50-53

Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)

Health hazards : Skin sensitisation - Category 1 - Warning (CLP : Skin Sens. 1) H317

Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4) H302

Respiratory sensitization - Category 1 - Danger (CLP : Resp. Sens. 1) H334

Environmental hazards : Hazardous to the aquatic environment - Acute hazard -

Category 1 - Warning (CLP: Aquatic Acute 1) H400

Hazardous to the aquatic environment - Chronic hazard - Category 1 - Warning (

CLP : Aquatic Chronic 1) H410

3.2. Label elements

Labelling EC 67/548 or EC 1999/45

Symbol(s) : T : Toxic N : Dangerous for the environment

R Phrase(s) : R49 : May cause cancer by inhalation.

R22 : Harmful if swallowed.

R24 : Toxic in contact with skin.

R37 : Irritating to respiratory system.

R42/43 : May cause sensitization by inhalation and skin contact.

R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the

aquatic environment.

S Phrase(s) : S53 : Avoid exposure - obtain special instructions before use.

S22 : Do not breathe dust.

S45 : In case of accident or if you feel unwell, seek medical advice immediately (show

the label when possible).

S60 : This material and its container must be disposed of as hazardous waste.

S61 : Avoid release to the environment. Refer to special instructions/Safety data sheets.

Labelling Regulation EC 1272/2008 (CLP)

Hazard pictograms

Signal words : Danger

Hazard statements : H302 : Harmful if swallowed.

H334 : May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H317 : May cause an allergic skin reaction.

H410 : Very toxic to aquatic life with long lasting effects.

Precautionary statements

 Prevention : P285: In case of inadequate ventilation wear respiratory protection.

P280: Wear protective gloves, protective clothing, eye protection, face protection

. P261: Avoid breathing dust, fume, gas, mist, vapours, spray

. P273: Avoid release to the environment.

P264: Wash 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.

 Response : P302+P352: IF ON SKIN : Wash with plenty of soap and water.

P301+P312: IF SWALLOWED : Call a POISON CENTER or doctor if you feel unwell.

P391: Collect spillage.

P304+P341: IF INHALED : If breathing is difficult, remove to fresh air and keep at

rest in a position comfortable for breathing.

P333+P313: If skin irritation or rash occurs : Get medical advice.

P342+P311: If experiencing respiratory symptoms : Call a POISON CENTERor

doctor.

P363: Wash contaminated clothing before reuse

. Disposal considerations : P501: Dispose of this material and its container to hazardous

or special waste collection point, in accordance with local, regional, national and/or

international regulation

. 3.3. Other hazards Other hazards : The substance does not fulfil the criteria to be identified as PBT

substance or vPvB substance according to Annex XIII of Regulation REACH.

4. First Aid Measures

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4.1. Description of first aid measures

Inhalation : If breathing is difficult, remove to fresh air and keep at rest in a position

comfortable for breathing. If experiencing respiratory symptoms

: Skin contact : Remove affected clothing and wash all exposed skin area with mild soap

and water, followed by warm water rinse. Wash contaminated clothing before reuse.

Wash with plenty of soap and water. If skin irritation or rash occurs : Specific

treatment (see on this label). Get medical advice.

Eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain,

blinking or redness persist.

Ingestion : Obtain emergency medical attention. Do NOT induce vomiting. Rinse mouth.

Call a POISON CENTER or doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms relating to use : Swallowing a small quantity of this material will result in

serious health hazard. May cause allergy or asthma symptoms or breathing difficulties if

inhaled. May cause an allergic skin reaction

. 4.3. Indication of any immediate medical attention and special treatment needed

General information : Never give anything by mouth to an unconscious person. If you

feel unwell, seek medical advice (show the label where possible).

5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

Surrounding fires : Use water spray or fog for cooling exposed containers

. 5.2. Special hazards arising from the substance or mixture

Hazardous combustion products : Under fire conditions, hazardous fumes will be

present.

5.3. Advice for fire-fighters Protection against fire : Do not enter fire area without proper protective equipment,

including respiratory protection.

Special procedures : Exercise caution when fighting any chemical fire. Avoid (reject)

fire-fighting water to enter environment.

6. Accidental Release Measures

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6.1. Personal precautions, protective equipment and emergency procedures

For emergency responders : Equip cleanup crew with proper protection.

Ventilate area

. For non-emergency personnel : Evacuate unnecessary personnel.

6.2. Environmental precautions Environmental precautions

: Prevent entry to sewers and public waters. Notify

authorities if product enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Clean up methods : On land, sweep or shovel into suitable containers. Minimize

generation of dust. Store away from other materials.

6.4. Reference to other sections

See section 8. Exposure controls/personal protection

7. Handling and Storage

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7.1. Precautions for safe handling

Handling : Do not eat, drink or smoke when using this product. Wash thoroughly after handling.

Contaminated work clothing should not be allowed out of the workplace. Wash

contaminated clothing before reuse. Avoid breathing dust, fume, gas, mist, vapours,

spray.

Technical protective measures : Provide good ventilation in process area to prevent

formation of vapour.

7.2. Conditions for safe storage, including any incompatibilities

Storage : Keep only in the original container in a cool, well ventilated place. Keep

container closed when not in use

. Storage - away from : Strong bases. Strong acids. Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

Specific end use(s) : None.

8. Exposure controls and personal protection

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8.1. Exposure controls

Personal protection : Avoid all unnecessary exposure.

 Respiratory protection : In case of inadequate ventilation wear respiratory protection.

 Hand protection : Wear protective gloves. Eye protection : Chemical goggles or safety glasses

. Others : When using, do not eat, drink or smoke.

8.2. Control parameters

Occupational Exposure Limits : No data available.

9. Physical and chemical properties

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9.1. Information on basic physical and chemical properties

Physical state at 20 °C : Solid.

Odour threshold : No data available

. pH value : Not applicable

. Melting point [°C] : 860C

Decomposition point [°C] : N/A

Critical temperature [°C] : N/A

Auto-ignition temperature [°C] : N/A

Flammability (solid, gas) : N/A

Flash point [°C] : N/A

Boiling point [°C] : 1100C

Initial boiling point [°C] : N/A

Final boiling point [°C] : N/A

rate : N/A Vapour pressure [20°C] : N/A

Vapour pressure mm/Hg : N/A

Vapour density : N/A

Density [g/cm3] : 1,92 Relative density, gas (air=1) : N/A

Relative density, liquid (water=1) : N/A

Solubility in water [% weight] : 76.7 g/100 cc water

Solubility in water : N/A Log Pow octanol / water at 20°C : No data available.

Solubility : 4,6 Viscosity at 40°C [mm2/s] : N/A

9.2. Other information Explosive properties : N/A

Explosion limits - upper [%] : N/A

Explosion limits - lower [%] : N/A

Oxidising properties : No data available.

10. Stability and reactivity

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10.1. Reactivity

Reactivity : Not established.

10.2. Chemical stability

Chemical stability : Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : Not established

. 10.4. Conditions to avoid

Conditions to avoid : Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials Materials

to avoid : Strong acids. Strong bases.

10.6. Hazardous decomposition products

Hazardous decomposition products : Fumes. Carbon monoxide. Carbon dioxide.

11. Toxicological information

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11.1. Information on toxicological effects

Acute toxicity

 Inhalation : Based on available data the classification criteria are not met.

 Dermal : Based on available data, the classification criteria are not met.

 Ingestion : Harmful if swallowed. Corrosion : Based on available data, the classification criteria are not met.

Irritation : Based on available data, the classification criteria are not met.

Sensitization : May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction. Mutagenicity : Based on available data, the classification

criteria are not met. Carcinogenicity : Based on available data, the classification criteria are not met.

Toxic for reproduction : Based on available data, the classification criteria are not met.

STOT-single exposure : Based on available data, the classification criteria are not met

. STOT-repeated exposure : Based on available data, the classification criteria are not met.

Aspiration hazard : Based on available data, the classification criteria are not met.

12. Ecological information

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12.1. Toxicity

Toxicity information : Very toxic to aquatic life with long lasting effects.

12.2. Persistence - degradability

Persistence - degradability

: May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

Bioaccumulative potential : Not established.

12.4. Mobility in soil

Mobility in soil : Not established.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.

12.6. Other adverse effects

Environmental precautions : Avoid release to the environment

13. Disposal considerations

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13.1. Waste treatment methods

General : Avoid release to the environment. Dispose in a safe manner in accordance with local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

14. Transport information

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14.1. Land transport (ADR-RID)

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.

UN N° : 3077

H.I. nr : 90

ADR - Class : 9

Labelling - Transport : 9 : Miscellaneous dangerous substances and articles

. ADR - Classification code : M7

ADR - Group : III

ADR - Packing instructions : P002 R001 LP002

ADR - Limited Quantity : 5 KG

ADR - Tunnel code : E : Passage forbidden through tunnels of category E.

14.2. Sea transport (IMDG) [English only]

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,

SOLID, N.O.S.

UN N° : 3077

IMO-IMDG - Class or division : 9 : Miscellaneous dangerous substances and articles

. IMO-IMDG - Packing group : III

IMO- IMDG - Packing instructions : P002 LP02

IMO-IMDG - Limited quantities : 5 kg

IMO-IMDG - Marine pollution : Yes

EMS-Nr : F-A S-F

14.3. Air transport (ICAO-IATA) [English only]

Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE,

SOLID, N.O.S.

UN N° : 3077

IATA - Class or division : 9 : Miscellaneous dangerous substances and articles

. IATA - Packing group : III

IATA - Passenger and Cargo Aircraft : ALLOWED

- Passenger and Cargo - Packing : 956

instruction

- Passenger and Cargo - Maximum : 400 kg

Quantity/Packing

IATA - Cargo only : ALLOWED

- Cargo only - Packing instruction : 956

- Cargo only - Maximum Quantity/ : 400 kg

Packing

IATA - Limited Quantites : 30 kgG

ERG-Nr : 9L

15. Regulatory information

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15.1. Safety, health and environmental regulations/legislation specific for the

substance or mixture

Safety, health and environmental : Ensure all national/local regulations are observed.

regulations/legislation specific for the substance or mixture

REACH Restrictions - Annex XVII : The components of this product are not subject to

restrictions.

REACH Authorisation - Annex XIV : The components of this product are not subject

to authorization.

15.2. Chemical Safety Assessment

Chemical Safety Assessment : It has not been carried out

16. Other information

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Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.

vPvB: very persistent and very bioaccumulative

Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN

PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification,

labelling and packaging of substances and mixtures, amending and repealing Directivese.

67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Further information : None.

In accordance with REACH Regulation (CE) Nº 1907/2006 and with CLP Regulation

(CE) Nº 1272/2008

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