## 1. Product and Company Identifaction



| | |
|---|---|
| Product Name | RXSOL-60-6604-341 |
| Product Type | COBALT (II) NITRATE LR (HEXAHYDRATE) |
| Revised date | |

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



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## 2. Composition / Information on ingredients



2.1 Substances : COBALT (II) NITRATE LR (HEXAHYDRATE)

CAS-No. : 10026-22-9

Substance name  Contents  CAS No

Cobalt (Ii) Nitrate  100%  10026-22-9.

Substance.

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

product.

## 3. Hazards Identification



3.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Oxidizing solids (Category 2), H272

Acute toxicity, Oral (Category 4), H302

Respiratory sensitisation (Category 1), H334

Skin sensitisation (Category 1), H317

Germ cell mutagenicity (Category 2), H341

Carcinogenicity, Inhalation (Category 1B), H350i

Reproductive toxicity (Category 1B), H360F

Acute aquatic toxicity (Category 1), H400

Chronic aquatic toxicity (Category 1), H410

For the full text of the H-Statements mentioned in this Section, see Section 16.

3.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Symbol(s) : O : Oxidizing

Xn : Harmful

R Phrase(s) : R22: Harmful if swallowed.

R40 : Possible risk of very serious irreversible effects.

R43 : May cause sensitization by skin contact.

S Phrase(s) : S24: Avoid contact with skin.

S37 : Wear suitable gloves.

Labelling according Regulation (EC) No 1272/2008

Hazard pictograms

Signal word : Danger

Hazard statement(s)

H272 May intensify fire; oxidizer.

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

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

H341 Suspected of causing genetic defects.

H350i May cause cancer by inhalation.

H360F May damage fertility.

H410 Very toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P201 Obtain special instructions before use.

P210 Keep away from heat, hot surfaces, sparks, open flames and other

ignition sources. No smoking.

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P280 Wear protective gloves/ protective clothing/ eye protection/ face

protection.

P284 Wear respiratory protection.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

Supplemental Hazard Statements none

Restricted to professional users.

3.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

## 4. First Aid Measures



4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Consult a physician.

In case of skin contact

Wash off with soap and plenty of water.

Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Nitrogen oxides (NOx), Cobalt/cobalt oxides

5.3 Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information

Use water spray to cool unopened containers.

## 6. Accidental Release Measures



6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation.Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Sweep up and shovel.\'20 Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For disposal see section 13.

## 7. Handling and Storage

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.Keep away from

sources of ignition - No smoking.Keep away from heat and sources of ignition.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Storage class (TRGS 510): Oxidizing hazardous materials

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## 8. Exposure controls and personal protection



8.1 Control parameters

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands

before breaks and at the end of workday.

Personal protective equipment

Eye/face protection Face shield and safety glasses Use equipment for eye protection tested and approved

under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal

technique

(without touching glove's outer surface) to avoid skin contact with this product. Dispose

of contaminated gloves after use in accordance with applicable laws and good laboratory

practices. Wash and dry hands.

If used in solution, or mixed with other substances, and under conditions which differ

from EN 374, contact the supplier of the CE approved gloves. This recommendation is

advisory only and must be evaluated by an industria situation of anticipated use by our

customers. It should not be construed as offering an approval for any specific use

scenario.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use (EN 143) respirator cartridges as a backup to engineering controls. If th full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## 9. Physical and chemical properties



9.1 Information on basic physical and chemical properties

Odour Threshold : No data available

pH: 4.0 at 100 g/l at 20 °C

Melting point/range: 55 °C - lit.

Initial boiling point and boiling range :No data available

Flash point: Not applicable

Evaporation rate: No data available

Flammability (solid, gas) :No data available

Upper/lower flammability or explosive limits: No data available

Vapour pressure: No data available

Vapour density: No data available

Relative density :1.88 g/cm3

Water solubility: soluble

Partition coefficient noctanol/ water : No data available

Auto-ignition temperature :No data available

Decomposition temperature: No data available

Viscosity: No data available

Explosive properties: No data available

Oxidizing properties : The substance or mixture is classified as oxidizing with the

category 2.

9.2 Other safety information

Bulk density 8,000 kg/m3

## 10. Stability and reactivity



10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

Heat Exposure to moisture

10.5 Incompatible materials

Organic materials, Reducing agents

10.6 Hazardous decomposition products

Other decomposition products - No data available

Hazardous decomposition products formed under fire conditions. - Nitrogen oxides

(NOx), Cobalt/cobalt oxides

In the event of fire: see section 5

## 11. Toxicological information



11.1 Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - 691 mg/kg(Cobaltous nitrate, hexahydrate)

LD50 Oral - Rat - 434 mg/kg(Cobaltous nitrate, hexahydrate)

Remarks: anhydrous

Skin corrosion/irritation

No data available(Cobaltous nitrate, hexahydrate)

Serious eye damage/eye irritation

No data available(Cobaltous nitrate, hexahydrate)

Respiratory or skin sensitisation

No data available(Cobaltous nitrate, hexahydrate)

Germ cell mutagenicity

In vitro tests showed mutagenic effects(Cobaltous nitrate, hexahydrate)

No data available(Cobaltous nitrate, hexahydrate)

Carcinogenicity

Possible human carcinogen(Cobaltous nitrate, hexahydrate)

(Cobaltous nitrate, hexahydrate)

IARC: 2B - Group 2B: Possibly carcinogenic to humans (Cobaltous nitrate, hexahydrate)

2B - Group 2B: Possibly carcinogenic to humans (Cobaltous nitrate, hexahydrate)

Reproductive toxicity

No data available(Cobaltous nitrate, hexahydrate)

Presumed human reproductive toxicant(Cobaltous nitrate, hexahydrate)

Specific target organ toxicity - single exposure

No data available(Cobaltous nitrate, hexahydrate)

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available(Cobaltous nitrate, hexahydrate)

Additional Information

RTECS: QU7355500

To the best of our knowledge, the chemical, physical, and toxicological properties have

not been thoroughly investigated.(Cobaltous nitrate, hexahydrate)

## 12. Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available(Cobaltous nitrate, hexahydrate)

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. 12.6 Other adverse effects

Very toxic to aquatic life.

No data available

## 13. Disposal considerations



13.1 Waste treatment methods

Product

Burn in a chemical incinerator equipped with an afterburner and scrubber b highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

## 14. Transport information



14.1 UN number

ADR/RID: 1477 IMDG: 1477 IATA: 1477

14.2 UN proper shipping name

ADR/RID: NITRATES, INORGANIC, N.O.S. (Cobaltous nitrate, hexahydrate)

IMDG: NITRATES, INORGANIC, N.O.S. (Cobaltous nitrate, hexahydrate)

IATA: Nitrates, inorganic, n.o.s.

14.3 Transport hazard class(es)

ADR/RID: 5.1 IMDG: 5.1 IATA: 5.1

14.4 Packaging group

ADR/RID: II IMDG: II IATA: II

14.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

No data available

## 15. Regulatory information



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

substance or mixture

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Authorisations and/or restrictions on use

15.2 Chemical safety assessment

For this product a chemical safety assessment was not carried out

## 16. Other information



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 Directives

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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