

## 1. Product and Company Identification

www.rxmarine.com

Product Name RXSOL-60-6605-088  
Product Type NICKEL CHLORIDE EXTRA PURE(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

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Substance / Preparation: NICKEL CHLORIDE EXTRA PURE(HEXAHYDRATE)

CAS No :7791-20-0

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: T; R23/25-R48/23

Xi; R38Xn ; R42/43N; R50-53

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

(CLP)Health hazards: Specific Target Organ

Toxicity-Single exposure-Category 2-Warning (CLP :STOT SE 2) H371

Specific Target Organ Toxicity-Repeated

exposure-Category 1-Danger (CLP :STOT RE 1) H372

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

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

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Skin irritation-Category 2-Warning (CLP : Skin Corr. 2) H315

Acute toxicity, Inhalation-Category 3-Danger (CLP : Acute Tox. 3) H331

Acute toxicity, Oral-Category 3-Danger (CLP : Acute Tox. 3) H301

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 2 of 10

Symbol(s) : T :

Toxic N : Dangerous for the environment

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

R61 : May cause harm to the unborn child.

R23/25 : Toxic by inhalation and if swallowed.

R38 : Irritating to skin.

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

R48/23 : Toxic : danger of serious damage to health by prolonged exposure inhalation.

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

R68 : Possible risks of irreversible effects.

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

S37 : Wear suitable gloves.

S53 : Avoid exposure obtain special instructions before use.

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

Labelling Regulation EC 1272/2008 (CLP)

Hazard pictograms

Signal words : Danger

Hazard statements : H301 : Toxic if swallowed.

H331 : Toxic if inhaled. H315 : Causes skin irritation.

H334 : May cause allergy or asthma symptoms or breathing difficulties

H317 : May cause an allergic skin reaction.

H372 : Causes damage to organs through prolonged or repeated exposure.

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H371 : May cause damage to organs.

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

☒ Prevention sheets. s if inhaled. : P285: In case of inadequate ventilation wear respiratory protection

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

P271: Use only outdoors or in a well-ventilated area.

P260: Do not breathe 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: P301+P310:IF SWALLOWED : Immediately call a POISON CENTER or doctor.

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

P309+P311: IF exposed or if you feel unwell : Call a POISON CENTER or doctor.

P391: Collect spillage

.P304+P340: IF INHALED : 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 CENTER or doctor.

P363: Wash contaminated clothing before reuse.

P314: Get medical advice if you feel unwell.

☒ Storage: P403+P233: Store in well-ventilated place. Keep container tightly closed.

P405: Store locked up.

☒ 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: Remove to fresh air and keep at rest in a position comfortable for breathing.

Specific treatment (see on this label). Immediately call a POISON CENTER or doctor.

If experiencing respiratory symptoms :

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Skin contact: If skin irritation or rash occurs : Wash contaminated clothing before reuse.

Wash with plenty of soap and water. Get medical advice. Specific treatment (see on this label).

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing. Ingestion: Specific treatment (see on this label).

Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. Rinse mouth.

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

Symptoms relating to use: Danger of serious damage to health by prolonged

exposure through inhalation. Causes damage to organs through prolonged or repeated

exposure. Swallowing a small quantity of this material will result in serious health hazard.

Causes skin irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction. May cause damage to organs.

#### 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. Fire-fighting Measures

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### 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

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For emergency responders: Equip cleanup crew with proper protection.

Ventilate area. Avoid breathing dust, fume, gas, mist, vapours, spray.

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.

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

Personal protection: Do not breathe dust, fume, gas, mist, vapours, spray.

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

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

Do not breathe dust, fume, gas, mist, vapours, spray. Wash thoroughly after handling.

Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

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

Avoid breathing dust, fume, gas, mist, vapours, spray. Use only outdoors or in a well-ventilated area.

Wash thoroughly after handling.

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 tightly closed. 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 insufficient ventilation, wear suitable respiratory equipment.

Where exposure through inhalation may

occur from use, respiratory protection equipment is

recommended. In case of inadequate ventilation wear respiratory protection.

☒ Hand protection: Wear protective gloves.

☒ Skin protection: Wear suitable protective clothing.

☒ 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]: 100/10C

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]: N/A

Initial boiling point [°C]: N/A

Final boiling point [°C]: N/A

Evaporation rate: N/A

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Vapour pressure [20°C]: N/A

Vapour pressure mm/Hg: 1 mm Hg @ 6710C

Vapour density: N/A

Density [g/cm<sup>3</sup>]: 3,55

Relative density, gas (air=1): N/A

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

Solubility in water [% weight]: 2.54 kg/L @ 200C

Solubility in water: N/A

Log Pow octanol / water at 20°C: No data available.

Solubility: 4Viscosity at 40°C [mm<sup>2</sup>/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

reactionsHazardous 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.

## 11. Toxicological information

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### 11.1. Information on toxicological effects Acute toxicity

☒ Inhalation: Toxic if inhaled.

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

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

Irritation: Causes skin irritation.

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: Causes damage to organ.

STOT-repeated exposure: Causes damage to organs through prolonged or repeated exposure.

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

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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. Special precautions: Hazardous waste due to toxicity.

## 14. Transport information

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### 14.1. Land transport (ADR-RID)

Proper shipping name: TOXIC SOLID, INORGANIC, N.O.S.

UN N°: 3288 H.I. nr: 60

ADR-Class: 6.1

Labelling-Transport: 6.1 : Toxic substances. ADR-Classification code: T5

ADR-Group: III

ADR-Packing instructions: P002 R001

LP002 ADR-Limited Quantity: 5 K

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

### 14.2. Sea transport (IMDG) [English only]

Proper shipping name: TOXIC SOLID, INORGANIC, N.O.S.

UN N°: 3288 I

MO-IMDG-Class or division: 6.1 : Toxic substances.

IMO-IMDG-Packing group: III

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IMO-IMDG-Packing instructions: P002 LP02

IMO-IMDG-Limited quantities: 5kg

IMO-IMDG-Marine pollution: Yes

EMS-Nr: F-A S-A

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

Proper shipping name: TOXIC SOLID, INORGANIC, N.O.S.

UN N°: 3288

IATA-Class or division: 6.1 : Toxic substances

IATA-Packing group: III

IATA-Passenger and Cargo Aircraft: ALLOWED-

Passenger and Cargo-Packing: 670

instruction-Passenger and Cargo-Maximum: 100kg

Quantity/PackingI

ATA-Cargo only: ALLOWED-

Cargo only-Packing instruction: 677-

Cargo only-Maximum Quantity/: 200kg

PackingIATA-Limited Quantites: 10 kg

ERG-Nr: 6L

## 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 Directives

67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 Further information: None. In accordance with REACH

Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

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