# Material Safety Data Sheet

**Calver II indaicator** (RXSOL-60-6002-500)

## 1. Product and Company Identifaction

| | |
|---|---|
| Product Code | RXSOL-60-6002-500 |
| Product Name | Calver II indaicator |

**Company Details:**

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

| | |
|---|---|
| Phone | +91 22 65113333 / 5555 / 9999 |
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| Email | mail@rxmarine.com |

## 2. Composition / informationon ingredients

**Mixture**

| Name | Product identifier | % (w/w) | Classification (GHS-US) |
|---|---|---|---|
| Sodium chloride | (CAS No.) 7647-14-5 | > 99 | Eye Irrit. 2A, H319 |
| Hydroxynapthol blue disodium salt | (CAS No.) 165660-27-5 | 1 | Not classified |

Full text of H-phrases: see section 16

## 3. Hazards Identification

**Classification Of The Substance Or Mixture**

**Classification (GHS-US)**
Eye Irrit. 2A H319

**Label Elements**

**GHS-US labeling**

**Hazard pictograms (GHS-US) :** GHS07

**Signal word (GHS-US) :** Warning

**Hazard statements (GHS-US) :** H319 - Causes serious eye irritation

**Precautionary statements (GHS-US) :**
P264 - Wash hands and forearms thoroughly after handling.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 - If eye irritation persists: Get medical advice/attention.

**Other Hazards** Not available

**Unknown acute toxicity (GHS US)** Not available

## 4. First Aid Measures

**Description Of First Aid Measures**

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

**Inhalation:** When symptoms occur: go into open air and ventilate suspected area.

**Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

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

**Ingestion:** Rinse mouth. Do NOT induce vomiting.

**Most Important Symptoms And Effects Both Acute and Delayed**

**General:** Eye irritation

**Inhalation:** Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

**Skin Contact:** Contact during a long period may cause light irritation.

**Eye Contact:** Causes serious eye irritation.

**Ingestion:** May be harmful if ingested in large quantities.

**Chronic symptoms:** Not available

**Indication Of Any Immediate Medical Attention And Special Treatment Needed**
If exposed or concerned, get medical advice and attention.

## 5. Fire-fighting Measures

**Extinguishing Media**

**Suitable extinguishing media:** Not flammable. Use extinguishing media appropriate for surrounding fire.

**Unsuitable extinguishing media:** None known.

**Special Hazards Arising From The Substance Or Mixture**

**Fire hazard:** Not flammable.

**Explosion hazard:** Product is not explosive.

**Reactivity:** Hazardous reactions will not occur under normal conditions.

**Advice For Firefighters**

**Precautionary measures fire:** Exercise caution when fighting any chemical fire.

**Protection during firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.

**Hazardous Combustion Products:** Hydrogen chloride gas. Sodium oxides.

**Reference To Other Sections**

Refer to section 9 for flammability properties.

## 6. Accidental Release Measures

**Personal Precautions, Protective Equipment And Emergency Procedures**

**General measures:** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, clothing.

**For Non-Emergency Personnel**

**Protective equipment:** Use appropriate personal protection equipment (PPE).

**Emergency procedures:** Evacuate unnecessary personnel.

**For Emergency Personnel**

**Protective equipment:** Equip cleanup crew with proper protection. Use appropriate personal protection equipment (PPE).

**Emergency procedures:** Ventilate area.

**Environmental Precautions** Not applicable

**Methods And Material For Containment And Cleaning Up**

**For containment:** Contain and collect as any solid

**Methods for cleaning up:** Clear up spills immediately and dispose of waste safely.

**Reference To Other Sections**

See section 8, Exposure Controls and Personal Protection.

## 7. Handling and Storage

**Precautions For Safe Handling**

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work

**Conditions For Safe Storage, Including Any Incompatibilities**

**Storage conditions:** Store in a dry, cool and well-ventilated place. Protect from moisture. Keep container closed when not in use.

**Incompatible materials:** Strong acids. Strong bases. Strong oxidizers.

**Specific End Use(s)**

Laboratory Reagent

## 8. Exposure controls and personal protection

**Control Parameters**

No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

**Exposure Controls**
**Appropriate engineering controls:** Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas.

**Personal protective equipment:** Protective goggles. Gloves. Dust formation: dust mask.

**Hand protection:** Wear chemically resistant protective gloves.

**Eye protection:** In laboratory, medical or industrial settings, or operations in which airborne particulates will be generated, safety glasses with side shields are recommended.

**Skin and body protection:** In laboratory, medical or industrial settings, impervious disposable gloves and protective clothing are recommended if skin contact with drug product is possible.

**Respiratory protection:** In the event of airborne dust formation, wear a dust mask.

**Other information:** When using, do not eat, drink or smoke.

## 9. Physical and chemical properties

**Information On Basic Physical And Chemical Properties**

| | |
|---|---|
| **Physical state** | Solid |
| **Appearance** | Purple crystalline powder |
| **Odor** | Odorless |
| **Odor threshold** | Not available |
| **pH** | Not available |
| **Relative evaporation rate (butyl acetate=1)** | Not available |
| **Melting point** | Not available |
| **Freezing point** | Not available |
| **Boiling point** | Not available |
| **Flash point** | Not available |
| **Auto-ignition temperature** | Not available |
| **Decomposition Temperature** | Not available |
| **Flammability (solid, gas)** | Not available |

| | |
|---|---|
| **Lower flammable limit** | Not available |
| **Upper flammable limit** | Not available |
| **Vapor pressure** | Not available |
| **Relative vapor density at 20 °C** | Not available |
| Relative density | Not available |
| **Specific gravity density** | Not available |
| **Solubility** | Not available |
| **Log Pow** | Not available |
| **Log Kow** | Not available |
| **Viscosity, kinematic** | Not available |
| Viscosity, dynamic | Not available |
| **Explosion data - sensitivity to mechanical impact** | Not available |
| **Explosion data - sensitivity to static discharge** | Not available |

## 10. Stability and reactivity

**Reactivity** Hazardous reactions will not occur under normal conditions.

**Chemical Stability** Stable at standard temperature and pressure.

**Possibility Of Hazardous Reactions** Hazardous polymerization will not occur.

**Conditions To Avoid** Direct sunlight. Extremely high or low temperatures.

**Incompatible Materials** Strong acids. Strong bases. Strong oxidizers.

**Hazardous Decomposition Products** Carbon oxides (CO, CO2)

## 11. Toxicological information

**Information On Toxicological Effects - Product**

**Acute toxicity :** Not classified

**LD50 and LC50 Data:** Not available

**Skin corrosion/irritation:** Not classified

**Serious eye damage/irritation:** Causes serious eye irritation.

**Respiratory or skin sensitization:** Not classified

**Germ cell mutagenicity:** Not classified

**Teratogenicity:** Not available

**Carcinogenicity:** Not classified

**Specific target organ toxicity (repeated exposure):** Not classified

**Reproductive toxicity:** Not classified

**Specific target organ toxicity (single exposure):** Not classified

**Aspiration hazard:** Not classified

**Symptoms/injuries after inhalation:** Not expected to present a significant inhalation hazard under anticipated conditions of use.

**Symptoms/injuries after skin contact:** Contact during a long period may cause light irritation.

**Symptoms/injuries after eye contact:** Causes serious eye irritation.

**Symptoms/injuries after ingestion:** May be harmful if ingested in large quantities.

**Information On Toxicological Effects - Ingredient(s)**

**LD50 and LC50 Data**

| **Sodium chloride (7647-14-5)** | |
|---|---|
| LD50 oral rat | 3 g/kg |
| LD50 dermal rabbit | > 10 g/kg |
| LC50 inhalation rat (mg/l) | > 42 g/m³ (Exposure time: 1 h) |

## 12. Ecological information

**Toxicity**

| **Sodium chloride (7647-14-5)** | |
|---|---|
| LC50 fish 1 | 5560 - 6080 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through]) |
| EC50 Daphnia 1 | 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna) |
| LC50 fish 2 | 12946 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static]) |
| EC50 Daphnia 2 | 340.7 - 469.2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static]) |

**Persistence And Degradability**

| **CALVER II® Indicator Powder** | |
|---|---|
| Persistence and degradability | Not established |

**Bioaccumulative Potential**

| **CALVER II® Indicator Powder** | |
|---|---|
| Bioaccumulative potential | Not established |

| Sodium chloride (7647-14-5) | |
|---|---|
| BCF fish 1 | (no bioaccumulation) |

**Mobility In Soil** Not available

**Other Adverse Effects**

**Other information:** Avoid release to the environment.

## 13. Disposal considerations

**Waste disposal recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

## 14. Transport information

**In accordance with ICAO/IATA/DOT/TDG**

**UN Number** Not regulated for transport

**UN Proper Shipping Name** Not regulated for transport

**Overland transport** Not regulated for transport

**Transport by sea** Not regulated for transport

**Air transport** Not regulated for transport

## 15. Regulatory information

**US Federal regulations**

| Sodium chloride (7647-14-5) |
|---|
| Listed on the United States TSCA (Toxic Substances Control Act) inventory |

**US State regulations**

| Sodium chloride (7647-14-5) |
|---|
| U.S. - Texas - Effects Screening Levels - Long Term |
| U.S. - Texas - Effects Screening Levels - Short Term |

**Canadian regulations**

| CALVER II® Indicator Powder | |
|---|---|
| WHMIS Classification | Class D Division 2 Subdivision B - Toxic material causing other toxic effects |

## 16. Other information

| | |
|---|---|
| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A |
| H319 | Causes serious eye irritation |

NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

**NFPA fire hazard :** 0 - Materials that will not burn.

**NFPA reactivity :** 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

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