**Material Safety Data Sheet**

**Decyl Alcohol 2.5Ltr.** (RXSOL-60-6294-002)

## 1. Product and Company Identifaction

| | |
|---|---|
| Product Name | **Decyl Alcohol 2.5Ltr.** |
| Product Type | **RXSOL-60-6294-002** |

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

| | |
|---|---|
| Phone | +91 22 65113333/ 5555 / 9999 / 27611360 / 27815540 |
| Fax | +91 22 2781 1318 :::AOH :0091 9322594669 |
| Email | mail@rxmarine.com |

## 2. Composition / informationon ingredients

| CAS#: | Chemical Name | % | EINECS#: |
|---|---|---|---|
| 112-30-1 | Decyl alcohol | 99 | 203-956-9 |

## 3. Hazards Identification

**EMERGENCY OVERVIEW:**
Warning! Combustible liquid and vapor. May cause central nervous system depression. Causes eye, skin, and respiratory tract irritation. Target Organs: Central nervous system, respiratory system, eyes, skin.

**Potential Health Effects:**
**Eye:**
Causes eye irritation. Vapors cause eye irritation.

**Skin:**
Causes skin irritation. Prolonged and/or repeated contact may cause irritation and/or dermatitis.

**Ingestion:**
Causes gastrointestinal irritation with nausea, vomiting and diarrhea.

**Inhalation:**
Causes respiratory tract irritation. Overexposure produces central nervous system depression. Material has a
very low vapor pressure at room temperature, so inhalation exposures are not expected unless material is heated or misted.

**Chronic:**
Prolonged or repeated skin contact may cause dermatitis. Prolonged exposure may produce a narcotic effect.

## 4. First Aid Measures

**Eyes:**
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical aid.

**Skin:**
In case of contact, flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops and persists. Wash clothing before reuse.

**Ingestion:**
If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by
mouth to an unconscious person. Get medical aid.

**Inhalation:**
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.Get medical aid.

**Notes to Physician:**
Treat symptomatically and supportively.

## 5. Fire-fighting Measures

**General Information:**
As in any fire,wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Combustible liquid and vapor. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas. This liquid floats on water and may travel to a source of ignition and spread fire.

**Extinguishing Media:**
Water may be ineffective. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Product will float on water.

| | |
|---|---|
| Autoignition Temperature | :255 deg C ( 491.00 deg F) |
| Flash Point | :82 deg C ( 179.60 deg F) |
| Explosion Limits: Lower | :Not available |
| Explosion Limits: Upper | :Not available |

**NFPA Rating:**

| | |
|---|---|
| health | :2 |
| flammability | :2 |
| instability | :0. |

## 6. Accidental Release Measures

**General Information:**
Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:**
Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation.

## 7. Handling and Storage

**Handling:**
Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Take precautionary measures against static discharges.Keep container tightly closed. Keep away from heat and flame. Avoid breathing vapor or mist.

**Storage:**
Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible
substances.

## 8. Exposure controls and personal protection

| Chemical Name | ACGIH | NIOSH | OSHA - Final PELs |
|---|---|---|---|
| Decyl alcohol | None listed | None listed | None listed |

**OSHA Vacated PELS:** Decyl alcohol: None listed
**Engineering Controls:**
Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Use:**
adequate ventilation to keep airborne concentrations low.
**Exposure Limits:**
**Personal Protective Equipment:**

**Eyes:** Wear chemical splash goggles.

**Skin:**
Wear appropriate protective gloves to prevent skin exposure.

**Clothing:**
Wear appropriate protective clothing to prevent skin exposure.

**Respirators:**
A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

## 9. Physical and chemical properties

**Physical and Chemical Properties:**

| | |
|---|---|
| Physical State | :Liquid |
| Color | :Clear, colorless |
| Odor | :Orange blossom |
| pH | :Not available |
| Vapor Pressure | :0.0085 mm Hg @ 25 deg C |

| | |
|---|---|
| Vapor Density | :5.46 (air=1) |
| Evaporation Rate | :Not available |
| Viscosity | :Not available |
| Boiling Point | :230 deg C ( 446.00$^0$F) |
| Freezing/Melting Point | :7 deg C ( 44.60$^0$F) |
| Decomposition Temperature | :Not available |
| Solubility in water | :Insoluble |
| Specific Gravity/Density | :.8297 g/ml |
| Molecular Formula | :C10H22O |
| Molecular Weight | :158.28 |

## 10. Stability and reactivity

**Chemical Stability:**
Stable at room temperature in closed containers under normal storage and handling conditions.

**Conditions to Avoid:**
Ignition sources, excess heat.

**Incompatibilities with Other Materials:**
Strong oxidizing agents.

**Hazardous Decomposition Products:**
Carbon monoxide, carbon monoxide, carbon dioxide.

**Hazardous Polymerization:**
Will not occur.

## 11. Toxicological information

**RTECS#:**
CAS# 112-30-1: HE4375000

**RTECS:**
CAS# 112-30-1: Draize test, rabbit, eye: 83 mg Severe;
Draize test, rabbit, eye: 500 mg/24H Mild;
Draize test, rabbit, skin: 2600 mg/24H Moderate;
Draize test, rabbit, skin: 20 mg/24H Moderate;

**LD50/LC50:**
Inhalation, mouse: LC50 = 4 gm/m3/2H;
Oral, mouse: LD50 = 6500 mg/kg;
Oral, rat: LD50 = 4720 mg/kg;
Skin, rabbit: LD50 = 3560 mg/kg;

**Other:**
Human skin; 75 mg/3D intermittent; Reaction: Severe (RTECS).

**Carcinogenicity:**
Decyl alcohol - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65. Other: See actual entry in RTECS for complete information.

## 12. Ecological information

:

**Ecotoxicity:**
Fish: Fathead Minnow: 2.4mg/L; 96H; Flow-through

**Other:**
If spilled into U.S. waters, it may be reportable under 33 CFR Part 153 if it produces a sheen.

## 13. Disposal considerations

Dispose of in a manner consistent with federal, state, and local regulations.

## 14. Transport information

**US DOT:**
Shipping Name: Not regulated

Hazard Class:

UN Number:

Packing Group:

**Canada TDG:**

Shipping Name: Not available

Hazard Class:

UN Number:

Packing Group:

## 15. Regulatory information

**European/International Regulations:**
European Labeling in Accordance with EC Directives

Hazard Symbols: XN N

**Risk Phrases:**
R 20 Harmful by inhalation.

R 36/38 Irritating to eyes and skin.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety Phrases:**
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 29 Do not empty into drains.

S 37/39 Wear suitable gloves and eye/face protection.

S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

**WGK (Water Danger/Protection):**
CAS# 112-30-1: 1

Canada

CAS# 112-30-1 is listed on Canada's DSL List

Canadian WHMIS Classifications: B3, D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulationsand the MSDS contains all of the information required by those regulations.

CAS# 112-30-1 is listed on Canada's Ingredient Disclosure List

US Federal TSCA

CAS# 112-30-1 is listed on the TSCA Inventory.

## 16. Other information

Text of R and S phrase codes used in this safety data sheet:- R34: Causes burns; R36: Irritating to eyes; R37:Irritating to respiratory system; R41: Risk of serious damage to eyes. The information provided about the product on this Safety Data Sheet has been compiled from knowledge of the individual constituents The data given here is based on current knowledge and experience. This Safety Data Sheet describes the product in terms of safety requirements and does not signify any warranty with regard to the product's properties The data given here only applies when product used for proper application(s). The product is not sold as suitable for other applications usage in such may cause risks not mentioned in this sheet. Do not use for other application(s) without seeking advice from manufacturer.