# Material Safety Data Sheet

**Natural Blue Biodegradable Cleaner Degreaser** (RXSOL-41-8384-025)

## 1. Product and Company Identifaction

| | |
|---|---|
| Product Name | Natural Blue Biodegradable cleaner and Degreaser |
| Product Type | RXSOL-41-8384-025 |

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

Stock Point : Mumbai, Kandla, Chennai, Ennore, Vizag, Kolkata, Fujairah, Muscat, Canada

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

## 2. Composition / informationon ingredients

| MATERIAL | CAS# | WT % |
|---|---|---|
| Sodium Tripolyphosphate | 7758-29-4 | Trade Secret |
| Sodium Carbonate | 497-19-8 | Trade Secret |
| 1-Methoxy -2-propanol | 107-98-2 | Trade Secret |
| Amines, coco alkyldimethyl, N-oxides | 61788-90-7 | 5 to 10 |
| Sodium EDTA | 64-02-8 | 5 to 10 |

TRACE COMPONENTS: Trace ingredients (if any) are present in 1% concentration. None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents, and Canadian Hazardous Materials Identification System Standard (CPR 4).

SEE SECTIONS 8, 11 & 12 FOR TOXICOLOGICAL INFORMATION.

## 3. Hazards Identification

HAZARD STATEMENTS:CAUSES SKIN IRRITATION.

CAUSES DAMAGE TO EYE. MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE.
CAUSES SKIN IRRITATION.
PRECAUTIONARY STATEMENTS:

P100s = General, P200s = Prevention, P300s = Response, P400s = Storage, P500s = Disposal

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

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present & easy to do - Continue rinsing.

## 4. First Aid Measures

EYE CONTACT: For eyes, flush with plenty of water for 15 minutes & get medical attention.

SKIN CONTACT: In case of contact with skin immediately remove contaminated clothing. Wash thoroughly with soap & water. Wash contaminated clothing before reuse.

INHALATION: After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, trained personnel should immediately begin artificial respiration. If the heart has stopped, trained personnel should immediately begin cardiopulmonary resuscitation (CPR). CALL A PHYSICIAN immediately!

SWALLOWING: Rinse mouth. GET MEDICAL ATTENTION IMMEDIATELY. Do NOT give liquids to an unconscious or convulsing person.

## 5. Fire-fighting Measures

FIRE & EXPLOSION PREVENTIVE MEASURES : Isolate from strong oxidizers, extreme heat, and open flame.

EXTINGUISHING MEDIA : Use appropriate extinguishing media for surrounding fire.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves & rubber boots).

Use NIOSH approved positive-pressure self-contained breathing apparatus.

UNUSUAL EXPLOSION AND FIRE PROCEDURES : Isolate from oxidizers, heat, & open flame.

Closed containers may explode if exposed to extreme heat. Applying to hot surfaces requires special precautions.

## 6. Accidental Release Measures

PERSONAL PROTECTIVE MEASURES: Keep unprotected personnel away. Wear appropriate personal protective equipment given in Section 8.

ENVIRONMENTAL PRECAUTIONS: Keep from entering storm sewers and ditches which lead to waterways.

CONTAINMENT AND CLEAN-UP MEASURES: Stop spill at source. Dike and contain.

Collect leaking & spilled liquid in sealable containers as far as possible.

## 7. Handling and Storage

HANDLING

Use only with adequate ventilation. Avoid or repeated breathing of vapor or spray mist. Do not get in eyes, on skin or clothing. Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear goggles, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse.

STORAGE : Isolate from strong oxidants. Keep container tightly closed & upright when not in use to prevent leakage.

## 8. Exposure controls and personal protection

RESPIRATORY EXPOSURE CONTROLS

A respiratory protection program that meets OSHA 29 CFR 1910.134 and ANSI Z86.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant a respirator's use.

VENTILATION

LOCAL EXHAUST: Necessary MECHANICAL (GENERAL): Acceptable

SPECIAL: None OTHER: None

Please refer to ACGIH document, "Industrial Ventilation, A Manual of Recommended Practices", most recent edition, for details.

PERSONAL PROTECTIONS: Wear OSHA Standard goggles & gloves as a standard practice.

## 9. Physical and chemical properties

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|---|---|
| APPEARANCE | Blue |

| | |
|---|---|
| ODOR | Fresh Pine |
| ODOR THRESHOLD | Not Available |
| pH (Neutrality) (1% solution) | 10.5 |
| MELTING POINT/FREEZING POINT | Not Available |
| BOILING RANGE (IBP,50%,Dry Point) | 100 degree |
| FLASH POINT (TEST METHOD) | Not Applicable |
| EVAPORATION RATE (n-BUTYL ACETATE=1) | Not Applicable |
| FLAMMABILITY CLASSIFICATION | Non-Combustible |
| LOWER FLAMMABLE LIMIT IN AIR (% by vol) | Not Available |
| UPPER FLAMMABLE LIMIT IN AIR (% by vol) | Not Available |
| VAPOR PRESSURE (mm of Hg)@20 C | Not Available |
| VAPOR DENSITY (air=1) | Not Applicable |
| Specific Gravity | 1 |
| WATER SOLUBILITY | Complete |
| PARTITION COEFFICIENT (n-Octane/Water) | Not Available |
| AUTO IGNITION TEMPERATURE | Not Applicable |
| DECOMPOSITION TEMPERATURE | Not Available |

## 10. Stability and reactivity

STABILITY : Stable under normal conditions.

CONDITIONS TO AVOID: Isolate from oxidizers, heat, & open flame.

MATERIALS TO AVOID : Reacts with strong oxidants, causing fire & explosion hazard.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon Monoxide, Carbon Dioxide, Phosphorus Pentoxide, Sodium Oxide & Hydroxide from extreme heating.

HAZARDOUS POLYMERIZATION : Will not occur.

## 11. Toxicological information

ACUTE HAZARDS

EYE & SKIN CONTACT: Primary irritation to skin, defatting, dermatitis. Absorption thru skin increases exposure. Primary irritation to eyes, redness, tearing, blurred vision. Powder can cause eye irritation. Wash thoroughly after handling.

INHALATION: Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression. Vapor harmful.

SWALLOWING: Swallowing can cause abdominal irritation, nausea, vomiting & diarrhea.

SUBCHRONIC HAZARDS/CONDITIONS AGGRAVATED

CONDITIONS AGGRAVATED Persons with severe skin, liver or kidney problems should avoid use.

CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS: This product has no carcinogens listed by IARC, NTP, NIOSH, OSHA or ACGIH, as of this date, greater or equal to 0.1%.Absorption thru skin may be harmful.

IRRITANCY OF PRODUCT: This product is irritating to contaminated tissue.

SENSITIZATION TO THE PRODUCT: No component of this product is known to be a sensitizer.

MUTAGENICITY: This product is not reported to produce mutagenic effects in humans.

EMBRYOTOXICITY: This product is not reported to produce embryotoxic effects in humans.

TERATOGENICITY: This product is not reported to produce teratogenic effects in humans.

REPRODUCTIVE TOXICITY: This product is not reported to cause reproductive effects in humans.

A mutagen is a chemical which causes permanent changes to genetic material (DNA) such that the changes will propagate through generational lines. An embryotoxin is a chemical which causes damage to a developing embryo (such as: within the eight weeks of pregnancy in humans), but the damage does not propagate across generational lines. A teratogen is a chemical which causes damage to a developing fetus, but the damage does not propagate across generational lines. A reproductive toxin is any substance which interferes in any way with the reproductive

process.

MAMMALIAN TOXICITY INFORMATION

1-Methoxy -2-propanol -
Oral LD50 (Rat) = 36 g/kg Oral LD50 (Rat) = 5.71 g/kg Oral LD50 (Rat) = 7.51 g/kg Oral LD50 (Mouse) = 10.8 g/kg Oral LD50 (Rabbit) = 5.3 g/kg Dermal LD50 (Rabbit) = 13 g/kg Inhalation LC50 (Rat, 4 h) = 54.6 mg/l Inhalation LC50 (Rat, 4 h) = 15,000 mg/l

Amines, coco alkyldimethyl, N-oxides - None

Sodium EDTA - Oral LD50 (Rat) = > 2,000 mg/kg

## 12. Ecological information

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATING ENVIRONMENTAL CONTAMINATION.

EFFECT OF MATERIAL ON PLANTS AND ANIMALS: This product may be harmful or fatal to plant and animal life if released into the environment. Refer to Section 11 (Toxicological Information) for further data on the effects of this product's components on test animals.

EFFECT OF MATERIAL ON AQUATIC LIFE: No aquatic environmental information is available on this product.

MOBILITY IN SOIL : Mobility of this material has not been determined.

DEGRADABILITY : This product is completely biodegradable.

ACCUMULATION : Bioaccumulation of this product has not been determined.

## 13. Disposal considerations

Processing, use or contamination may change the waste disposal requirements. Do not dispose of on land, in surface waters, or in storm drains. Waste should be recycled or disposed of in accordance with regulations. Large amounts should be collected for reuse or consigned to licensed hazardous waste haulers for disposal. ALL DISPOSAL MUST BE IN ACCORDANCE WITH ALL FEDERAL, STATE, PROVINCIAL, AND LOCAL REGULATIONS. IF IN DOUBT, CONTACT PROPER AGENCIES.

## 14. Transport information

DOT/TDG SHIP NAME: Not Regulated

DRUM LABEL: None

IATA / ICAO: Not Regulated

IMO / IMDG: Not Regulated

EMERGENCY RESPONSE GUIDEBOOK NUMBER: None

## 15. Regulatory information

EPA REGULATION:

SARA SECTION 311/312 HAZARDS: Acute Health

All components of this product are on the TSCA list.

SARA Title III Section 313 Supplier Notification This product's All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

STATE REGULATIONS:

CALIFORNIA SAFE DRINKING WATER & TOXIC ENFORCEMENT ACT (PROPOSITION 65):

This product contains no chemicals known to the State of California to cause cancer or reproductive toxicity.

INTERNATIONAL REGULATIONS

The components of this product are listed on the chemical inventories of the following countries:

Australia (AICS), Canada (DSL or NDSL), China (IECSC), Europe (EINECS, ELINCS)G Japan (METI/CSCL, MHLW/ISHL), South Korea (KECI), New Zealand (NZIoC), Philippines (PICCS), Switzerland (SWISS), Taiwan (NECSI), USA (TSCA).

CANADA: WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

D2B: Irritating to skin / eyes.

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

## 16. Other information

HAZARD RATINGS: HEALTH (NFPA): 1, HEALTH (HMIS): 1, FLAMMABILITY: 0, PHYSICAL HAZARD: 0

(Personal Protection Rating to be supplied by user based on use conditions.) This information is intended solely for the use of individuals trained in the NFPA & HMIS hazard rating systems.

DISCLAIMER OF LIABILITY :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.