Material Safety Data Sheet

Carburising Fluid Rx (RXSOL-68-6821-025)

1. Product and Company Identifaction

Product Name	Carburising Fluid Rx
Product Type	RXSOL-68-6821-210

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

Stock Point : Mumbai, Kandla, Kolkata, Chennai, Visakhapatnam, Fujairah

Phone	+91 22 27815540 / 41 / 42
Fax	+91 22 2781 1318 :::AOH :0091 9322594669
Email	mail@rxmarine.com

2. Composition / informationon ingredients

Substance / Preparation :

Components	CAS No.	Range in %	Hazardous
Carbinol	67-56-1	> 65	Yes
Petroleum Solvent	64742-95-6	> 25	Yes
Other proprietary mixtures	NA	1	No

3. Hazards Identification

Warning Statements:	FLAMMABLE. HARMFUL IF INHALED OR ABSORBED THROUGH SKIN. MAY CAUSE DIZZINESS AND DROWSINESS. MAY CAUSE EYE AND SKIN IRRITATION. ASPIRATION HAZARD. CAN CAUSE LUNG INJURY IF INGESTED AND SWALLOWED. KEEP OUT OF REACH OF CHILDREN.
Eyes:	May cause slight eye irritation, characterized by redness, tearing, or a burning sensation.
Oral:	Expected to have moderate acute toxicity by ingestion. Ingestion of this product and subsequent vomiting can result in aspiration into the lungs, causing chemical pneumonia and lung damage.
Inhalation:	Breathing the vapor or mist can cause respiratory irritation or discomfort.May cause symptoms of drowsiness or narcosis from inhalation of high vapor concentrations.
Skin:	Believed to be slightly irritating with possible redness, edema, or drying of the skin.Prolonged or frequently repeated contact may cause more severe irritation or may cause the skin to become cracked or dry from the defatting action of this material.
Long Term Toxic Effects:	Contains a solvent that may cause adverse systemic effects when ingested,inhaled, or absorbed through the skin. See section 11 for additional information

4. First Aid Measures

Eyes:	Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. If irritation persists, see a doctor.
Skin:	Remove and launder contaminated clothing, including shoes. Wash skin thoroughly with soap and water. See a doctor if any signs or symptoms described in this MSDS occur.

Ingestion:	Do not induce vomiting. Aspiration of the material can cause serious lung injury such as chemical pneumonia. Call a doctor immediately. If spontaneous vomiting occurs, keep head below hips to prevent aspiration and monitor for breathing difficulty. Never give anything by mouth to an unconscious person.
Inhalation:	If there are signs or symptoms as described in this MSDS due to breathing this material, move the person to fresh air. If breathing has stopped, apply artificial respiration. Call a doctor.
Advice to Doctor:	Gastric lavage by qualified medical personnel may be considered, depending on quantity of material ingested.This product may present an aspiration hazard. See related comments in this MSDS. If spontaneous vomiting has occurred after ingestion, the patient should be monitored for difficult breathing, as adverse effects of aspiration into the lungs may be delayed up to 48 hours.

5. Fire-fighting Measures

Auto Ignition Temp °C:	470
Flammable Limits %	ND
Flash Point °C:	Flammable
Explosion Hazards:	Contains Solvents, hence it is flammable. The product catches fire after the fire point is reached. Full body flame-resistant clothing and/or turnout gear recommended for persons attempting leak or spill control and for fire fighting.
Fire Extinguishing Agents:	Use water fog, dry chemical, foam, or carbon dioxide. Water or foam may cause frothing. Use water to cool fire-exposed containers. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop the leak. Poisonous gases produced in fire. Follow OSHA 1910.156

6. Accidental Release Measures

In Case of Spill:
Eliminate all ignition sources including internal combustion engines and power tools.
Ventilate area. Keep people away. Stay upwind and warn of possible downwind explosion hazard. Avoid breathing vapors and eye or skin contact. Use respirator and protective clothing as discussed in this MSDS (See Section 8). Use supplied-air respirator for large releases in confined area. Contain spill if possible. Remove with inert absorbent and place in container for disposal at an approved facility. Prevent entry into sewers and waterways.

7. Handling and Storage

Storage:
Keep away from heat, sparks, oxidizing agents and flame. Keep containers tightly closed.Handle and store in well-ventilated area and in accordance with local regulations regarding flammable liquids.

Handling:
Empty containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION: THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to clean since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum recondition unit. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

8. Exposure controls and personal protection

Eyes:	Avoid eye contact. The wearing of safety goggles or face shield is recommended.
Skin:	Avoid contact with skin or clothing. Skin contact can be minimized by wearing impervious protective clothing including gloves. Protective clothing made from neoprene, nitrile, or n-butyl rubber is suitable in these applications.Exposed employees should exercise reasonable personal cleanliness; this includes cleansing exposed skin several times daily with soap and water, and laundering or dry cleaning soiled work clothing at least weekly.
Inhalation:	If operating conditions create airborne concentrations that are excessive and may exceed the exposure standard(s), the use of an approved respirator is recommended.Wear approved respiratory protection such as an organic vapor cartridge respirator. Use approved supplied air respiratory protection for cleaning large spills or upon entry into tanks, vessels, or other confined spaces.
Ventilation:	Use this material only in well-ventilated areas.

Exposure Limits:	No ACGIH TLV exists for this material. Recommended a daily 8-hour TWA of 100 ppm.

9. Physical and chemical properties

NOTE:
The following data may represent a range of approximate or typical values for products in the same family. Precise technical information is provided in Product Bulletins and can be obtained from your Marketing Representative.

Colour & Appearance	Yellow liquid
Sp. Gravity @ 30°C	0.81
pH (neat)	8.00

10. Stability and reactivity

Hazardous Polymerizations:	DO NOT OCCUR
Products of Combustion:	Carbon monoxide, carbon dioxide, Adehydes and ketones may be Formed. POISONEOUS GAS might be formed.
Conditions to Avoid:	Water, Strong Oxidizers

11. Toxicological information

General:
Repeated and prolonged occupational exposure to solvents has been associated with permanent nervous system damage, commonly referred to as "solvent syndrome" or "painter's syndrome". Intentional misuse of this product may be harmful or fatal.

12. Ecological information

Environmental Effects:
No specific eco-toxicity data on this product are available.

13. Disposal considerations

Waste Disposal:
Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental authorities for approved disposal of this material.

Remarks:
Do not allow entering drains or sewers. Can cause explosion, if it comes in contact with source of heat.

14. Transport information

Transport of Dangerous Goods:

DOT /UN Number:	1230
Dangerous Goods Class:	3
Proper Shipping Name:	Mixture with Carbinol & Hydrocarbons
Hazchem Code:	3Y
Additional Information:	Transport in accordance with local regulations regarding flammable liquids.

15. Regulatory information

Respirator Information:
Respirator users should follow local regulations.Where local approval authority is absent, respirator users can refer to U.S. NIOSH, European Standard EU-149, or joint Australia-New Zealand AS/NZS 1715/1716 for guidance.

16. Other information

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.