Material Safety Data Sheet

Urea Formaldehyde Resin (RXSOL-19-1534-250)

1. Product and Company Identifaction

Product Name	RXSOL-19-1534-250
Product Type	Urea Formaldeyde resin

Company Details:

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

Stock Point : Mumbai, Kolkata, Chennai, Gandhidham, Visakhapatnam, Fujairah, Muscat, Kenya, Canada

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2. Composition / informationon ingredients

Ingredient	CAS No	Percent
Urea	57-13-6	40-50
Formaldehyde	50-00-0	30-40
Water	7732-18-5	10-20

3. Hazards Identification

Odour	Odourless
Appearance	White crystals or white powder.
Contact with eyes	Causes irritation to the eyes.
Contact with skin	Causes irritation to the skin.
Inhalation	Causes irritation to the respiratory tract.
Ingestion	Causes irritation to the garstrointestinal tract.

4. First Aid Measures

Contact with skin	Wash contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. If skin irritation occurs, get medical advice. In the event of any complaints or symptoms, avoid further exposure. Wash clothes before re-use. Clean shoes thoroughly before re-use
Contact with eyes	Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present and easy to do so. Continue rinsing for at least 10 minutes. If eye irritation persists, get medical advice.
Ingestion	InhDo NOT induce vomiting. Get medical attention if symptoms occur.
Inhalation	Rinse mouth with water. Remove dentures, if any. Remove victim to fresh air and keep at rest position, comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head

5. Fire-fighting Measures

FLASH POINT: N.A FLAMMABLE LIMITS: N.A

FLASH POINT METHOD: N.A AUTOIGNITION TEMPERATURE: N.A

EXTINGUISHING MEDIA: Water spray, carbon dioxide or dry chemical powder

PROTECTIVE EQUIPMENT: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

HAZARDOUS COMBUSTION PRODUCTS:

The product is not combustible under normal conditions, and not considered to be a fire risk. Decomposition products may include the following materials:
- Carbon dioxide
- Carbon monoxide
- Nitrogen oxides
- Formaldehyde

NFPA CODES: Health: 1 Flammability: 0 Reactivity: 0

6. Accidental Release Measures

Personal Precautions	Ensure adequate ventilation. Use personal protective equipment as required. Avoid dust formation.
Environmental Precautions	Should not be released into the environment. See Section 12 for additional Ecological Information.
Methods for Containment and Clean Up	Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

After the spillage has been cleaned, wash the contact area with warm water (preferably warm urea water) and discard the wash water the same as the resin. Contaminated absorbent material may pose the same hazard as the spilled product. See Section 13 for waste disposal considerations.

7. Handling and Storage

Persons with a history of skin sensitisation problems should not handle this product. Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Do not handle until all safety precautions have been read and understood. 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. Do not get in eyes or on skin or clothing. Do not breathe vapour. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Store between 20ºC and 30ºC, preferably close to 25ºC as this will increase the shelf life of the product. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep containers closed until ready for use and check regularly for leaks. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.

8. Exposure controls and personal protection

Exposure Guidelines	Formaldehyde- Exposure Limit: TWA 2ppm (2.5mg/m3), STEL 2ppm (2.5mg/m3) Urea- Exposure Limit: TLV Not established
Personal Protective Equipment	Eye/face Protection : Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. Skin and body protection : Wear appropriate protective gloves and clothing to prevent skin exposure. Respiratory Protection :No protective equipment is needed under normal use conditions. Hygiene Measures:Handle in accordance with good industrial hygiene and safety practice

9. Physical and chemical properties

PHYSICAL STATE: Milky opaque viscous liquid
COLOUR: Colourless to White
ODOUR: Mild Formaldehyde Odor
ODOUR THRESHOLD: NA
pH: 7-9
EVAPORATION RATE: NA
MELTING POINT: NA
FREEZING POINT: NA
BOILING POINT: NA
FLASH POINT: NA
AUTO-IGNITION TEMPERATURE: Product does not sustain combustion
DECOMPOSITION TEMPERATURE: NA
FLAMMABILITY: NA
LOWER & UPPER EXPLOSIVE LIMITS: NA
VAPOUR PRESSURE: NA
VAPOUR DENSITY: NA
RELATIVE DENSITY: 1.2 to 1.3 gm/cm3
SOLUBILITY : Urea formaldehyde 2.5 g/mL

10. Stability and reactivity

Reactive Hazard None known, based on information available

Stability Stable for 4 to 6 weeks if kept at a temperature not exceeding 25ºC

Conditions to Avoid: Heat, Flame, Ignition sources, Incompatible products.

Excess heat. Avoid dust formation. Protect from moisture.

Incompatible Materials Strong oxidizing agents

Hazardous Decomposition Products Carbon monoxide (CO), Carbon dioxide (CO2), Nitrogen oxides (NOx) Hazardous Polymerization
Hazardous polymerization does not occur.

Hazardous Reactions None under normal processing