Material Safety Data Sheet

Cationic Polyacrylamide Flocculant (RXSOL-40-4160-051)

1. Product and Company Identifaction

Product Name	Cationic Polyacrylamide Flocculant
Part Number	RXSOL-40-4160-051

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

Branch : Kandla, Surat, Mumbai, Chennai, Vizag, Kolkata, UAE, OMAN and KENYA

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Email	123@rxmarine.com
Website	www.rxmarine.com

2. Composition / informationon ingredients

Name of Substance	Cas Number	EINECS No	Wt.%
Polyacrylamide	9003-05-8	618-350-3	100%

3. Hazards Identification

Signal Word	None
Hazard Statements	No data available
Precautionary statements	No data available
Precautionary statements	No data available

4. First Aid Measures

Eye Contact	Rinse with pure water for at least 15 minutes. Consult a doctor.
Skin Contact	Take off contaminated clothing immediately. Wash off with soap and plenty of water. Consult a doctor.
Inhalation	Move the victim into fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and consult a doctor immediately. Do not use mouth to mouth resuscitation if the victim ingested or inhaled the chemical.
Ingestion	Rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Call a doctor or Poison Control Center immediately.

5. Fire-fighting Measures

Suitable extinguishing media	Use dry chemical, carbon dioxide or alcohol-resistant foam.
Extinguishing media which must not be used for safety reasons:	No data available
Special exposure hazards arising from the substance itself, combustion products, resulting gases:	No data available
Special protective equipment for fire-fighters:	Wear self-contained breathing apparatus for firefighting if necessary.
Additional information:	No data available

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Avoid dust formation. Avoid breathing mist, gas or vapours. Avoid contacting with skin and eye. Use personal protective equipment. Wear chemical impermeable gloves. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.
Enviromental Precaution	Prevent further spillage or leakage if it is safe to do so. Do not let the chemical enter drains. Discharge into the environment must be avoided.
Methods and materials for containment and cleaning up	Collect and arrange disposal. Keep the chemical in suitable and closed containers for disposal. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations..

7. Handling and Storage

Precautions for safe handling	Handling in a well ventilated place. Wear suitable protective clothing. Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Use non-sparking tools. Prevent fire caused by electrostatic discharge steam.
Conditions for safe storage, including any incompatibilities	Store the container tightly closed in a dry, cool and well-ventilated place. Store apart from foodstuff containers or incompatible materials.

8. Exposure controls and personal protection

Engineering Control	Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.
Personal Protection	Eye/face protection : Wear tightly fitting safety goggles with side-shields conforming to EN 166(EU) or NIOSH (US). Skin protection : Wear fire/flame resistant and impervious clothing. Handle with gloves. Gloves must be inspected prior to use. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Respiratory protection : If the exposure limits are exceeded, irritation or other symptoms are experienced, use a full-face respirator.

9. Physical and chemical properties

Form	White to faintly Yellow Granules
Colour	No data available
Odour	No data available
Boiling point and boiling range	122Â°C
Flash Point	113Â°C
Melting point	241Â°C(lit.)
pH	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper explosion limit	No data available
Lower explosion limit	No data available
Explosive properties	No data available
Vapor pressure	No data available
Relative vapor density	No data available
Relative density	1.189g/mLat 25Â°C
Water solubility	No data available
Solubility in other solvents	No data available
Partition coefficient: octanol	No data available
Autoignition temperature	No data available
Thermal decomposition	No data available
Viscosity, kinematic	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Molecular weight	No data available
VOC	No data available

10. Stability and reactivity

Recativity	None
Stability	No data available
Possibility of hazardous reactions	No data available
Incompatible materials	No data available
Hazardous Decomposition	No data available
Condition to Avoid	None Known

11. Toxicological information

Route of Exposure	Inhalation, Eye contact, Skin contact
Acute toxicity	Oral: no data available Inhalation: no data available Dermal: no data available
Skin corrosion/irritation	No data available
Serious eye damage/irritation	No data available

Respiratory or skin sensitization	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available

12. Ecological information

Environmental Effects	No data available
Toxicity to fish	No data available
Toxicity to daphnia and others	No data available
Toxicity to algae	No data available
Biodegradability	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available

13. Disposal considerations

Disposal methods	The material can be disposed of by removal to a licensed chemical destruction plant or by controlled incineration with flue gas scrubbing. Do not contaminate water, foodstuffs, feed or seed by storage or disposal. Do not discharge to sewer systems.
Contaminated packaging	Containers can be triply rinsed (or equivalent) and offered for recycling or reconditioning. Alternatively, the packaging can be punctured to make it unusable for other purposes and then be disposed of in a sanitary landfill. Controlled incineration with flue gas scrubbing is possible for combustible packaging materials.

14. Transport information

ADR/RID	Not dangerous goods.
IMDG	Not dangerous goods.
IATA	Not dangerous goods.

15. Regulatory information

Safety, health and environmental regulations specific for the product in question :

European Inventory of Existing Commercial Chemical Substances (EINECS)	Not Listed.
EC Inventory	Not Listed.
United States Toxic Substances Control Act (TSCA) Inventory	Listed.
China Catalog of Hazardous chemicals 2015	Not Listed.
New Zealand Inventory of Chemicals (NZIoC)	Listed.
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Listed.
Vietnam National Chemical Inventory	Listed.
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)	Listed.

16. Other information

Other Information	The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Rx Marine International has been advised of the possibility of such damages.