Material Safety Data Sheet

FLOCCULANT 85113 (RXSOL-17-3105-210)

1. Product and Company Identifaction

Product Name	FLOCCULANT 85113
Product Type	RXSOL-17-3105-210

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

STOCK POINT : Mumbai, Kandla, Chennai, Visakhapatnam, Kolkata, Fujairah

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2. Composition / informationon ingredients

Hazardous or Regulated Components:
Component Analysis – Inventory

Component	CAS	CONCENTRATION
ALIPHATIC HYDROCARBON	254504001-5164	20-30
ALCOHOL ALKOXYLATES	254504001-5466	1.5-5
EDTA	6381-92-6	1-5
Properitory Polymer	----------	30-35

3. Hazards Identification

GHS Classification	Not a hazardous substance or mixture.
Precautionary statements - prevention	Wash hands thoroughly after handling.
Precautionary statements - response	Get medical advice/ attention if you feel unwell.
Storage:	Store in accordance with local regulations.
Other hazards :	Mix thoroughly before use. If swallowed a jelly mass may form which in digestion may cause blockage. Water in contact with the product will cause slippery floor conditions.

4. First Aid Measures

In case of eye contact :	Rinse with plenty of water. Get medical attention if symptoms occur.
In case of skin contact :	Wash off with soap and plenty of water. Get medical attention if symptoms occur.
If swallowed:	Rinse mouth. Get medical attention if symptoms occur.
If inhaled:	Get medical attention if symptoms occur.
Protection of first-aiders :	In event of emergency assess the danger before taking action. Do not put yourself at risk of injury. If in doubt, contact emergency responders. Use personal protective equipment as required.
Notes to Physician	Treat symptomatically. If swallowed a jelly mass may form which in digestion may cause blockage.

Most important symptoms and effects, both acute and delayed :	See Section 11 for more detailed information on health effects and symptoms.

5. Fire-fighting Measures

Suitable extinguishing media :	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media:	Do not use water unless flooding amounts are available.
Specific hazards during firefighting :	Not flammable or combustible.
Hazardous combustion products :	Decomposition products may include the following materials: Carbon oxides nitrogen oxides (NOx)
Special protective equipment for firefighters :	Use personal protective equipment.
Specific extinguishing methods :	Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:	Spills of this product are very slippery. Refer to protective measures listed in sections 7 and 8.
Environmental precautions :	No special environmental precautions required.
Methods and materials for containment and cleaning up :	Stop leak if safe to do so. Contain spillage, and then collect with noncombustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

7. Handling and Storage

Advice on safe handling:	Stir well prior to use.
Conditions for safe storage:	Keep out of reach of children. Keep container tightly closed. Store in suitable labelled containers. Store separately from oxidizers.
Suitable material:	The following compatibility data is suggested based on similar product data and/or industry experience: Compatibility with Plastic Materials can vary; we therefore recommend that compatibility is tested prior to use., Stainless steel, Polyethylene.
Unsuitable material:	Not determined

8. Exposure controls and personal protection

Exposure guidelines have not been established for this product. Available exposure limits for the substance(s) are shown below.

Components with workplace control parameters :

Components	CAS No.	Form of exposure Permissible	Concentration	Basis
Hydrotreated Light Distillate	64742-47-8	TWA (Mist)	5 mg/m3	AU OEL
Hydrotreated Light Distillate	64742-47-8	TWA (Mist)	5 mg/m3	NZ OEL
		WES-STEL (Mist)	10 mg/m3	NZ OEL
Hydrotreated Light Distillate	64742-47-8	TWA	500 ppm 2,000 mg/m3	OSHA Z1
		TWA	200 mg/m3 (as total hydrocarbon vapor)	ACGIH
		TWA (Mist)	5 mg/m3	OSHA Z1
		TWA (Mist)	5 mg/m3	NIOSH REL
		STEL (Mist)	10 mg/m3	NIOSH REL

Engineering Measure: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Personal Protection: Eye protection : Safety glasses
Hand protection : Wear protective gloves. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Skin protection : Wear suitable protective clothing.

Respiratory protection: No personal respiratory protective equipment normally required.

Hygiene measures: Wash hands before breaks and immediately after handling the product.



Gloves



Suit

9. Physical and chemical properties

Appearance :	Emulsion
Colour:	White
Odour:	Hydrocarbon-like
Flash Point	Does not flash
pH:	9, 1 %
Odour Threshold :	No data available
Melting Point:	No data available
Boiling Point:	No data available
Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Explosive limits upper:	No data available
Explosive limits Lower:	No data available
Vapour pressure:	No data available
Relative Vapour Density:	No data available
Relative density :	1.110 - 1.150, (22 °C)
Water solubility :	Dispersible
Solubility in other solvents :	No data available
Partition coefficient noctanol:	No data available

Autoignition Temperature:	No data available
Thermal decomposition temperature:	No data available
Viscosity dynamic :	400 - 1,500 mPa.s (25 °C)
Viscosity, kinematic:	No data available
Molecular Weight:	No data available
VOC :	23.0 %

10. Stability and reactivity

Chemical stability:	Stable under normal conditions.
	Product is stable.
Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use.
Conditions to avoid	None known.
Incompatible materials	Addition of water results in gelling.Contact with strong oxidizers (e.g. chlorine, peroxides, chromates, nitric acid, perchlorate, concentrated oxygen, permanganate) may generate heat, fires, explosions and/or toxic vapors.
Hazardous Decomposition Products	Decomposition products may include the following materials: Carbon oxides Nitrogen oxides (NOx)
Hazardous Polymerization	Hazardous polymerization does not occur.

11. Toxicological information

	Inhalation, Eye contact, Skin contact
Potential Health Effects	
Eyes :	Health injuries are not known or expected under normal use.
Skin :	Health injuries are not known or expected under normal use.
Ingestion :	If swallowed a jelly mass may form which in digestion may cause blockage.
Inhalation :	Health injuries are not known or expected under normal use.
Chronic Exposure :	Health injuries are not known or expected under normal use.
Experience with human exposure	
Eye contact :	No symptoms known or expected.
Skin contact :	No symptoms known or expected.
Ingestion :	No symptoms known or expected.
Inhalation :	No symptoms known or expected.
Toxicity Product	
Acute oral toxicity :	Acute toxicity estimate: > 2,000 mg/kg
Acute inhalation toxicity :	No data available
Acute dermal toxicity :	No data available
Skin corrosion/irritation :	No data available
Serious eye damage/eye irritation :	Result: Mild eye irritation
Respiratory or skin sensitization :	No data available
Carcinogenicity :	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
Reproductive effects :	No toxicity to reproduction
Germ cell mutagenicity :	Contains no ingredient listed as a mutagen
Teratogenicity :	No data available
STOT - single exposure :	No data available
STOT - repeated exposure :	No data available
Human Hazard Characterization	Based on our hazard characterization, the potential human hazard is: Low

12. Ecological information

Ecotoxicity Environmental Effects :	This product has no known ecotoxicological effects.
Toxicity to Fish	Not Available
Toxicity to daphnia and other aquatic invertebrates	No Data available.
Toxicity to algae :	No Data available.
Components	
Toxicity to fish :	Hydrotreated Light Distillate LC50 : > 1,000 mg/l Exposure time: 96 h
Toxicity to daphnia and other aquatic invertebrates:	Hydrotreated Light Distillate EC50 : > 1,000 mg/l Exposure time: 48 h
Toxicity to algae :	Hydrotreated Light Distillate EC50 : > 1,000 mg/l Exposure time: 72 h
Toxicity to bacteria :	Hydrotreated Light Distillate > 1,000 mg/l Exposure time: 48 h
Persistence and degradability:	The organic portion of this preparation is expected to be poorly biodegradable.
Mobility	The environmental fate was estimated using a level III fugacity model embedded in the EPI (estimation program interface) Suite TM, provided by the US EPA. The model assumes a steady state condition between the total input and output. The level III model does not require equilibrium between the defined media. The information provided is intended to give the user a general estimate of the environmental fate of this product under the defined conditions of the models. If released into the environment this material is expected to distribute to the air, water and soil/sediment in the approximate respective percentages; Air : 5% Water : 10 - 30% Soil : 50 - 70% The portion in water is expected to be soluble or dispersible.
Bioaccumulative potential	This preparation or material is not expected to bioaccumulate.
Other Information	no data available ENVIRONMENTAL HAZARD AND EXPOSURE CHARACTERIZATION Based on our hazard characterization, the potential environmental hazard is: Low

13. Disposal considerations

Disposal methods :	Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.
Disposal considerations :	Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

14. Transport information

Trasport Informatioon	The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.
Land Transport	
Proper shipping name	PRODUCT IS NOT REGULATED DURING TRANSPORTATION
Air transport (IATA)	
Proper shipping name	PRODUCT IS NOT REGULATED DURING TRANSPORTATION
Sea transport (IMDG/IMO)	

Proper shipping name	PRODUCT IS NOT REGULATED DURING TRANSPORTATION

15. Regulatory information

Standard for the Uniform Scheduling of Medicines and Poisons :	No poison schedule numb
INTERNATIONAL CHEMICAL CONTROL LAWS :	
TOXIC SUBSTANCES CONTROL ACT (TSCA)	This product has not been evaluated for TSCA and may contain substances not found on the TSCA 8(b) Inventory List. This product may be used under the TSCA 5(h)(3) Research Exemption if all requirements are met.
CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA)	This product contains substance(s) which are not listed on the Domestic Substances List (DSL) or the NonDomestic Substances List (NDSL).
AUSTRALIA	All substances in this product comply with the National Industrial Chemicals Notification & Assessment Scheme (NICNAS).
CHINA	All substances in this product comply with the Provisions on the Environmental Administration of New Chemical Substances and are listed on or exempt from the Inventory of Existing Chemical Substances China (IECSC).
JAPAN	All substances in this product comply with the Law Regulating the Manufacture and Importation Of Chemical Substances and are listed on the Existing and New Chemical Substances list (ENCS).
KOREA	All substances in this product comply with the Chemical Control Act (CCA) and are listed on the Existing Chemicals List (ECL)
PHILIPPINES	All substances in this product comply with the Republic Act 6969 (RA 6969) and are listed on the Philippines Inventory of Chemicals & Chemical Substances (PICCS).

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. 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.