

Product Name: FLOC EMULSION RX

Part No / SKU: RXSOL-40-4195-220

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Document Type: Material Safety Data Sheet (MSDS)

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name	EUROFLOC EMULSION A
Part Number	RXSOL-40-4195-220

Company Details:....

RX MARINE INTERNATIONAL

105, A wing , BSEL , TECH PARK.

VASHI ,NEW BOMBAY 400703 INDIA

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

Phone	+91 22 20871200 - 1400
Fax	+91 22 27612100 ::::AOH :0091 9821214367
Email	mail@rxmarine.com
Website	www.rxmarine.com

2. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures

Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
Hydrocarbons, C12-C15, nalkanes, isoalkanes 2% aromatics		
CAS -	30 ? x 40	Asp. Tox. 1 H304, EUH066
EC 920-107-4	001097	
INDEX -		
Reg. no. 01-2119453414-43-XXXX		
Isotridecanol, ethoxylated		
CAS 9043-30-5	3 ? x 4	Acute Tox. 4 H302, Eye Dam. 1 H318
EC 500-027-2		
INDEX -		

The full wording of hazard (H) phrases is given in section 16 of the sheet.

3. HAZARDS IDENTIFICATION

Classification of the substance or mixture	The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to (EU) Regulation 2015/830. Hazard classification and indication:
Label elements Hazard pictograms: - Signal words: -	Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements
Hazard statements: EUH066 EUH210	Repeated exposure may cause skin dryness or cracking. Safety data sheet available on request.
Precautionary statements:	
Other hazards	On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

4. FIRST AID MEASURES

Description of first aid measures	No episodes of damage to personnel assigned to the use of the product are known. In case of necessity, the following general measures are adopted: INHALATION: Bring the subject into the open air. If breathing stops, apply artificial respiration. Consult a doctor immediately. INGESTION: Immediately rinse the mouth with plenty of water. Induce vomiting only as directed by your doctor. Do not give anything by mouth if the subject is unconscious. EYES and SKIN: Wash with plenty of water and soap. In case of persistent irritation, consult a doctor.
Most important symptoms and effects, both acute and delayed	No episodes of damage to health attributable to the product are known.
Indication of any immediate medical attention and special treatment needed	Information not available

5. FIRE FIGHTING MEASURES

Extinguishing media	SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.
Special hazards arising from the substance or mixture	HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products. Do not breathe combustion products. HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products.
Advice for firefighters	Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. GENERAL INFORMATION Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations. SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137)

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Block the leakage if there is no hazard. Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.
Environmental precautions	The product must not penetrate into the sewer system or come into contact with surface water or ground water..
Methods and material for containment and cleaning up	Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.
Reference to other sections	Any information on personal protection and disposal is given in sections 8 and 13.

7. HANDLING AND STORAGE

Precautions for safe handling	Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.
Conditions for safe storage, including any incompatibilities	Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.
Specific end use(s)	Information not available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters	Information not available
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Exposure controls

Individual protection measures:

Hand protection	Wear chemical-resistant Nitrile or PVC gloves (EN 374).
Eye protection	Wear work glasses with lateral protection (standard EN 166).
Skin protection	Wear suitable protective clothing according to EN 344, 465-466-467
Respiratory protection	Not normally required, but wear approved respirator when airborne exposure is likely. Environmental exposure controls: Use according to good working practices and avoid dispersing the mixture in the environment.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	viscous liquid
Colour	white
Odour	lighty
Odor Threshold	Not available.
pH	5,5-8,5.
Melting point / freezing point	Not available
Initial boiling point	> 100 °C
Boiling range	Not available
Flash point	> 60 °C
Evaporation rate	Not available.
Flammability of solids and gases	Not available materials. Extremely flammable in the presence of the following materials or conditions: oxidizing materials.
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	2,3 kPa
Vapour density	Not available
Relative density	1-1,2
Solubility	Not available
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	>20,5 mm ² /sec (40°C)
Explosive properties	Not available.
Oxidising properties	Not available

Other information

Total solids (250°C / 482°F)	3,00 %
VOC (Directive 2010/75/EC)	0
VOC (volatile carbon)	0
Water solubility	complete

10. STABILITY AND REACTIVITY

Reactivity	There are no particular risks of reaction with other substances in normal conditions of use.
Chemical stability	The product is stable in normal conditions of use and storage.
Possibility of hazardous reactions	No hazardous reactions are foreseeable in normal conditions of use and storage
Conditions to avoid	None in particular. However the usual precautions used for chemical products should be respected. Hydrocarbons, C12-C15, n-alkanes, isoalkanes 2% aromatics Avoid exposure to: naked flames, high temperatures.
Incompatible materials	Hydrocarbons, C12-C15, n-alkanes, isoalkanes 2% aromatics Avoid contact with: strong oxidising agents.
Hazardous decomposition products	Information not available

11. TOXICOLOGICAL INFORMATION

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information	Information not available
Information on likely routes of exposure	Information not available
Delayed and immediate effects as well as chronic effects from short and long-term exposure	Information not available
Interactive effects	Information not available
ACUTE TOXICITY	LC50 (Inhalation) of the mixture: Not classified (no significant component) LD50 (Oral) of the mixture: >2000 mg/kg LD50 (Dermal) of the mixture: Not classified (no significant component) Hydrocarbons, C12-C15, n-alkanes, isoalkanes 2% aromatics LD50 (Oral) > 15000 mg/kg rat (equivalent or similar to OECD Guideline 401, GLP) LC50 (Inhalation) > 4,951 mg/l/4h RAT (equivalent or similar to OECD Guideline 403) Isotridecanol, ethoxylated LD50 (Oral) > 1900 mg/kg
SKIN CORROSION / IRRITATION	Repeated exposure may cause skin dryness or cracking
SERIOUS EYE DAMAGE / IRRITATION	Does not meet the classification criteria for this hazard class
RESPIRATORY OR SKIN SENSITISATION	Does not meet the classification criteria for this hazard class
GERM CELL MUTAGENICITY	Does not meet the classification criteria for this hazard class
CARCINOGENICITY	Does not meet the classification criteria for this hazard class
REPRODUCTIVE TOXICITY	Does not meet the classification criteria for this hazard class
STOT - SINGLE EXPOSURE	Does not meet the classification criteria for this hazard class
STOT - REPEATED EXPOSURE	Does not meet the classification criteria for this hazard class
ASPIRATION HAZARD	Does not meet the classification criteria for this hazard class Viscosity: >20,5 mm ² /sec (40°C)

12. ECOLOGICAL INFORMATION

Toxicity	Isotridecanol, ethoxylated EC50 - for Crustacea > 1 mg/l/48h daphnia magna
Persistence and degradability	Information not available
Bioaccumulative potential	Information not available
Mobility in soil	Information not available
Results of PBT and vPvB assessment	On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.
Other adverse effects	Information not available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

14. TRANSPORT INFORMATION

UN number	Not applicable
UN proper shipping name	Not applicable
Transport hazard class(es)	Not applicable
Packaging group	Not applicable
Environmental hazards	Not applicable
Special precautions for user	Not applicable
Transport in bulk according to Annex II of Marpol and the IBC Code	Information not relevant

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EC: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006	None
Substances in Candidate List (Art. 59 REACH)	On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.
Substances subject to authorisationNone	None
Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012	None
Substances subject to the Rotterdam Convention	None
Substances subject to the Stockholm Convention	None
Healthcare controls	Information not available

Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

16. OTHER INFORMATION AND DISCLAIMER

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 we 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.
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