Material Safety Data Sheet

Mud Drilling Detergent RXSOL ORG DD (RXSOL-81-8139-210)

1. Product and Company Identifaction

Product Name	Drilling Detergent RXSOL ORG DD
Product Type	RXSOL-81-8139-210

Company Details:

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

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2. Composition / informationon ingredients

Chemical Name	Concentration	CAS Number	EC Number	R Phrases*	Symbols
Alkyl ether sulphate	1 - 5	3088-31-1	221-416-0	36/38	Xi
Amides, C8-18 (even numbered) and C18-unsatd. N, N- bis (hydroxyethyl)	3 - 5	68155-07-7	931-329-6	38/41	Xi
Fatty alcohol ethoxylates	1 - 5	34398-01-1	500-084-3	22,41	Xn
Sodium carbonate	1 - 5	497-19-8	207-838-8	36	Xi
Propan-2-ol	1 - 3	67-63-0	200-661-7	11 ,36	Xi

3. Hazards Identification

Environmental hazards	Not classified
Physical Hazards	Not classified
Signal word	Warning
Hazard statements	H318 - Causes serious eye damage.
Precautionary Statements - EU (§28, 1272/2008)	P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy todo. Continue rinsing P310 - Immediately call a POISON CENTER or doctor/ physician P273 - Avoid release to the environment P501 - Dispose of contents/container in accordance with local regulations

Other Data	Not classified as PBT/vPvB by current EU criteria

4. First Aid Measures

Contact with skin	Remove contaminated clothing immediately and drench affected skin with plenty of water. Then wash with water
Contact with eyes	If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes Seek medical advice
Ingestion	Never give anything by mouth to an unconscious person Give plenty of water to drink Seek medical advice if necessary
Inhalation	Vapours or aerosols may cause irritation of eyes, nose and respiratory tract Remove patient to fresh air
General	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible) (S45)

5. Fire-fighting Measures

Suitable Extinguishing media	Use extinguishing media appropriate for surrounding material.
Extinguishing media which shall not be used for safety reasons	None known.
Special hazards arising from the substance or mixture	None Known
Hazardous combustion products	Thermal decomposition can lead to release of irritating gases and vapors.
Advice for firefighters	Containers close to fire should be removed immediately or cooled with water

6. Accidental Release Measures

Personal Precautions	Wear protective clothing as per section 8
Environmental Precautions	The product should not be allowed to enter drains, water courses or the soil.
Immediate Actions	Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained.
Clean Up Actions	Prevent further leakage or spillage if safe to do so. Dike far ahead of liquid spill for later disposal. Flush spill area with copious amounts of water.
Special Precautions	Absorb with earth, sand or other non-combustible material and transfer to containers for ater disposal. After cleaning, flush awaytraces with water.

7. Handling and Storage

Handling	Use good work and personal hygiene practices to avoid exposure. Wash hands before eating, drinking or smoking. Removecontaminated clothing. Do not eat, drink or smoke when using this product.
Storage	Keep only in the original container in a cool, well ventilated place (S3/9/49). Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Do not breathe vapors orspray mist. Avoid spills and splashing during use.
Hygiene measures	Use good work and personal hygiene practices to avoid exposure. Wash hands before eating, drinking or smoking. Removecontaminated clothing. Do not eat, drink or smoke when using this

8. Exposure controls and personal protection

Exposure Limits	There are no recommended or established controls for this product.
Exposure controls	All chemical Personal Protective Equipment (PPE) should be selected based on an assessment of both the chemical hazardpresent and the risk of exposure to those hazards. The PPE recommendations below are based on an assessment of the chemical hazards associated with this product. Where this product is used in a mixture with other products or fluids, additional hazards maybe created and as such further assessment of risk may be required. The risk of exposure and need of respiratory protection will vary from workplace to workplace and should be assessed by the user in each situation. product.
Occupational exposure controls	No respiratory protection is required unless subject to contact with substance mist Wear suitable protective clothing,including eye/face protection and gloves (plastic or rubber are recommended).
Engineering measures to reduce exposure	Ensure adequate ventilation. Provide mechanical general and/or local exhaust ventilation to prevent release of vapor or mist intowork environment.
Personal protective equipment	Eye protection : Chemical splash goggles and/or face shield. Hand protection : Use protective gloves made of:, Neoprene, Nitrile, Be aware that liquid may penetrate thegloves. Frequent change is advisable. Respiratory protection : No personal respiratory protective equipment normally required, In case of insufficient ventilation wear suitable respiratory equipment, Use respirator with organic vapor protection(A, brown), At work in confined or poorly ventilated spaces, respiratory protection with airsupply must be used. Skin and body protection : Wear suitable protective clothing, Eye wash and emergency shower must be available at the work place. Hygiene measures : Wash hands before eating, drinking or smoking, Remove and wash contaminated clothingbefore re-use.

9. Physical and chemical properties

Physical State	Liquid
Appearance	Light pale Brown, soluble in water
Odour	Slight Lemon
Odor threshold	Not applicable
pH	8 -10
Freezing point	No information available
Boiling point/range	100 °C / 212 °F
Flash point	94 °C / 201 °F P/M
Evaporation rate (BuAc = 1)	No information available
Flammability (solid, gas)	Not Applicable

Upper flammability limit	Not applicable
Lower flammability limit	Not applicable
Vapor pressure	No information available
Vapor density	No information available
Specific gravity	1.02 - 1.06
Relative density	No information available
Water solubility	Soluble in water
Solubility in other solvents	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Log Pow	Not determined
Explosive properties	Not Applicable
Oxidizing properties	None known.
Pour point	No information available
Molecular weight	No information available
VOC content(%)	None

10. Stability and reactivity

Reactivity	No specific reactivity hazards associated with this product.
Chemical stability	Stable under normal temperature conditions and recommended use.
Hazardous polymerization	Hazardous polymerization does not occur.
Conditions to avoid	Avoid frost.
Incompatible materials	No materials to be especially mentioned.
Hazardous decomposition products	Thermal decomposition can lead to release of irritating gases

11. Toxicological information

Toxicological information	No experimental data available
Inhalation	Inhalation of vapors in high concentration may cause irritation of respiratory system.
Contact with skin	In cases of severe exposure, irritation may develop
Contact with eyes	Causes irritation
	Can cause damage to the eyes
Ingestion	The ingestion of significant quantities may cause gastro-intestinal disturbances
Carcinogenicity	No evidence of carcinogenic effects.
Unknown acute toxicity	Not Applicable

LD50 Oral	> 2000 mg/kg (rat) Calculated
Sensitization	This product does not contain any components suspected to be sensitizing.
Mutagenic effects	This product does not contain any known or suspected mutagens.
Carcinogenicity	This product does not contain any known or suspected carcinogens.
Reproductive toxicity	This product does not contain any known or suspected reproductive hazards.
Routes of exposure	Eye contact.
Routes of entry	No route of entry noted.
Specific target organ oxicity	Not classified
Aspiration hazard	No hazard from product as supplied.

12. Ecological information

Toxicity	EC50/LC50 (D-D) >100 mg/l This product contains an ingredient that is classified, according to European regulations, as "harmful to aquatic organisms, maycause long-term adverse effects in the aquatic environment" However, at the concentration present, this preparation is not expected to present significant adverse environmental effects
Mobility	Completely soluble in water
Persistence and Biodegradability	The components in this product are readily biodegradable.
Bioaccumulation Potential	Bioaccumulation of the components in this product is insignificant.
Other Adverse Effects	Presents little or no hazard to the environment
Toxicity to algae	No Information available
Toxicity to fish	No Information available
Toxicity to daphnia and other aquatic	No Information available
Persistence and degradability	No product level data available.
Bioaccumulative potential	No product level data available.
Mobility	The product is water soluble, and may spread in water systems.
Results of PBT and vPvB assessment	Not classified as PBT/vPvB by current EU criteria.
Other adverse effects.	None known.

13. Disposal considerations

Waste from residues / unused products	Dispose of in accordance with local regulations.
Contaminated packaging	Empty containers should be taken for local recycling, recovery or waste disposal.
EWC Waste disposal No.	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the applicationfor which the product was used. The following Waste Codes are only suggestions: EWCwaste disposal No: 07 06 01

14. Transport information

UN Number	Not regulated
Proper shipping name	Not regulated
Hazard class(es)	ADR/RID/ADN Hazard class : Not regulated IMDG Hazard class: Not regulated ICAO Hazard class/division : Not regulated
Packing group	ADR/RID/ADN Packing Group Not regulated IMDG Packing group Not regulated ICAO Packing group Not regulated
Environmental hazard	No
Special precautions	Not Applicable
Transport in bulk	Not regulated

15. Regulatory information

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

Commission Regulation (EU) No 453/2010 of 20 May 2010 amending Regulation (EC) No 1907/2006 of the EuropeanParliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning theRegistration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European ChemicalsAgency, amending Directive 1999/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC)No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and2000/21/EC, including amendments.

This safety data sheet complies with the requirements of Regulation (EC) No. 1272/2008. National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC: 2011 (2003)].National Occupational Health and Safety Commission's Approved Criteria for Classifying Hazardous Substance [NOHSC:1008 (2004) 3rd Edition]. National Occupational Health and Safety Commission's Exposure Standards for Atmospheric Contaminants in theo ccupational Environment [NOHSC:1003 (1995)].

International inventories

USA (TSCA)	: Complies
European Union (EINECS and ELINCS)	: Complies
Canada (DSL)	: Complies
Philippines (PICCS)	: Does not Complies
Japan (ENCS)	: Does not Complies
China (IECSC)	: Complies
Australia (AICS)	: Complies

16. Other information

Text of R and S phrase codes used in this safety data sheet:-

R22	Harmful if swallowed;
R36	Irritating to eyes
R36/38	Irritating to skin;
R41	Risk of serious damage to eyes.

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