

1. Product and Company Identification

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Product Name Drilling Detergent RXSOL ORG DD

Product Type RXSOL-81-8139-210

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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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.	3 - 5	68155-07-7	931-329-6	38/41	Xi
N, N- bis (hydroxyethyl) 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

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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

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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

Inhalation	water to drink Seek medical advice if necessary 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

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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

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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 later disposal. After cleaning, flush away traces with water.

7. Handling and Storage

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Handling	Use good work and personal hygiene practices to avoid exposure. Wash hands before eating, drinking or smoking. Remove contaminated 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 or spray 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. Remove contaminated clothing. Do not eat, drink or smoke when using this

8. Exposure controls and personal protection

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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 hazard present 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 may be 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 into work 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 the gloves. 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 air supply 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 clothing before re-use.

9. Physical and chemical properties

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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

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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

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Toxicological information

Inhalation

No experimental data available

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 toxicity

Not classified

Aspiration hazard

No hazard from product as supplied.

12. Ecological information

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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, may cause 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

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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

14. Transport information

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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

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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 European Parliament 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 the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, 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 and 2000/21/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 the occupational 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

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Text of R and S phrase codes used in this safety data sheet:-
R22

Harmful if swallowed;

R36
R36/38
R41
Other Inforamtion

Irritating to eyes
Irritating to skin;
Risk of serious damage to eyes.

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