

1. Product and Company Identification

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Product Name RXSOL ORG SFB 100i (Flowback Surfactant)
Part Number RXSOL-8195-210

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / Information on ingredients

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Component	CAS-No	Weight %	R Phrases
Isopropyl Alcohol	67-63-0	10 - 25	R41,R38,R43
Oxyalkylated alcohol	Proprietary	10-25	-----

3. Hazards Identification

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Signal Word	:	Irritant , Harmful
Hazard Statements	:	Causes severe skin skin reaction.Harmfu cause drowsiness or d
Label Elements	:	Avoid breathing du release to the envi clothing/ eye protecti
Environmental hazards	:	Environmental effec toxic to aquatic organ the aquatic environm

4. First Aid Measures

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Inhalation	:	Remove to fresh attention.
Skin Contact	:	Wash off im minutes.Use a Thoroughly cl immediately.
Eye Contact	:	Immediate med plenty of water,
Ingestion	:	Seek medical a conscious, wash not give anythi breathing and

		induce vomiting
If Swallowed	:	Rinse mouth anything by mouth
Important symptoms	:	See Section 11 for symptoms.

5. Fire-fighting Measures

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Suitable Extinguishing Media	:	Foam, Carbon dioxide, dry chemical, water spray, water. Suitable for Class A, B, C. Thoroughly drench burning and adjacent areas to cool closed containers.
Fire Hazard	:	Restrict access to burning area until complete. Use Section 8 (Exposure Controls) to clean up any leaks if it is safe to do so. Have eye wash and safety and emergency shower readily available.
Special Fire Fighting Procedure	:	Flammable Liquids. Avoid mixing with oxidizing mixtures at or above ignition and flash points. Use containers to flatten burning material. Have eye wash and protective suit.

6. Accidental Release Measures

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Personal precautions, protective equipment and emergency procedures

Personal Precautions	:	Restrict access to burning area until complete. Use Section 8 (Exposure Controls) to clean up any leaks if it is safe to do so. Have emergency eyewash and safety and emergency shower readily available. Not listed in section 11.
Environmental Precautions	:	Do not allow spillage to enter drains. Use good personal hygiene when drinking, smoking and washing thoroughly.
Methods for Containment and Clean Up	:	Restrict access to burning area until complete. Use Section 8 (Exposure Controls) to clean up any leaks if it is safe to do so.

conducted by Have emerged available. Not safety and env SMALL SPII residues in a affected area material, by d salvage drums surfaces with waste hauler f of material in (Disposal Con

7. Handling and Storage

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8. Exposure controls and personal protection

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Exposure controls

If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

Engineering Measures	:	General ventilation is Laboratory safe mechanical ve
Personal Protection	:	Eye/Face Protection goggles. Skin Protection gauntlets is recommended in conditions and experience until Nitrile Gloves are observed. consult PPE manufacturer for chemical resistance
Hygiene Measures	:	Handle in accordance with good practice. Use of hand washing eyes and protective equipment during breaks and immediately after use.

Respiratory Protection

Where concerned section, the user apparatus is re amount and type: A-B-E-K- concentrations used. If respiratory pro maintenance a



Gloves Suit

9. Physical and chemical properties

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Physical State	:	Liquid
Appearance	:	Clear Liquid
Odor	:	Alcohol
Odor Threshold	:	No information available.
PH	:	4.7
Melting / Freezing Point	:	NA
Boiling Point/Range	:	212.0 °F / 100.0 °C
Flash Point	:	23-37.8 °C Method: Closed Cup
Evaporation Rate	:	Same as water
Lower Explosion Limit	:	No data available.
Vapor Pressure	:	No data available.
Vapor Density	:	No data available.
Specific Gravity	:	0.95 (15.6 °C)
Solubility in Water	:	Complete
Pour point	:	No data available
Partition coefficient n octanol/water	:	Not available.
Viscosity	:	No data available
Explosive Properties	:	Not applicable

10. Stability and reactivity

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Hazardity	:	Hazardous Po
Chemical stability	:	Stable under n
Hazardous reactions	:	No data availa
Conditions to avoid	:	Heat, flames a
Hazardous decomposition products	:	Under fire co
Materials to avoid	:	Contact with n

11. Toxicological information

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Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist mg/L/4hr
Isopropyl Alcohol - (67-63-0)	4,710.00, Rat - Category: 5	12,800.00, Rat - Category: NA	72.60, Rat - Category: NA	No data available
Oxyalkylated alcohol - (Proprietary)	No data available	No data available	No data available	No data available
C9-C11 Synthetic Alcohol, Ethoxylated - (68439-46-3)	5,100.00, Rat - Category: NA	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	-----	Not Applicable
Acute toxicity (dermal)	-----	Not Applicable
Acute toxicity (inhalation)	-----	Not Applicable
Skin corrosion/irritation	3	Causes mild skin irritation
Serious eye damage/irritation	1	Causes serious eye damage
Respiratory sensitization	-----	Not Applicable
Skin sensitization	-----	Not Applicable
Germ cell mutagenicity	-----	Not Applicable
Carcinogenicity	-----	Not Applicable
Reproductive toxicity	-----	Not Applicable
STOT-single exposure	3	May cause drowsiness
STOT-single exposure	-----	Not Applicable
STOT-repeated exposure	-----	Not Applicable
Aspiration hazard	-----	Not Applicable

12. Ecological information

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The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l
Isopropyl Alcohol - (67-63-0)	1,400.00, Lepomis macrochirus	100.00, Daphnia magna
Oxyalkylated alcohol - (Proprietary)	No data available	No data available
C9-C11 Synthetic Alcohol, Ethoxylated - (68439-46-3)	8.50, Pimephales promelas	2.686, Daphnia magna

Persistence and degradability : There is no data available on the preparation itself.

Bioaccumulative potential : Not Measured

Mobility in soil : No data available.

Results of PBT and vPvB assessment : This product contains no PBT/vPvB chemicals.

Other adverse effects : No data available.

13. Disposal considerations

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dispose as per federal, state and local regulations when disposing of this substance.

14. Transport information

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Land Transport :

Proper Shipping Name	:	Flammable liquids, n.o.s., (ISOPROPANOL),
UN Number	:	UN 1993
Transport hazard class(es)	:	3
Packing group:	:	III
Environmental hazards:	:	No
Special precautions for user:	:	Not applicable.

Air Transport (ICAO/ IATA)

Proper Shipping Name	:	Flammable liquids, n.o.s., (ISOPROPANOL), 3, II
UN Number	:	UN 1993
Transport hazard class(es)	:	3
Transport hazard class(es)	:	III
Packing group	:	III

Marine Transport (IMDG/IMO)

Proper Shipping Name	:	Flammable liquids, n.o.s., (ISOPROPANOL), 3, II
UN Number	:	UN1993
Transport hazard class(es)	:	3
Transport hazard class(es)	:	III
Marine Pollutant	:	No

15. Regulatory information

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Regulatory Overview

The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA)

All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification B3 D2B E

US EPA Tier II Hazards

Fire:Yes

Sudden Release of Pressure: No

Reactive: No

Immediate (Acute): Yes

Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs: To the best of our knowledge, there are no chemicals at levels which require reporting under this statute. EPCRA 302

Extremely Hazardous: To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

Isopropyl Alcohol

Proposition 65 - Carcinogens (>0.0%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%): Isopropyl Alcohol

Pennsylvania RTK Substances (>1%): Isopropyl Alcohol

16. Other information

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Full text of R-Phrases

The full text of the phrases appearing in section 3 is:

H225 Highly flammable liquid and vapor.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H336 May cause drowsiness and dizziness.

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Personal Protection Codes

H : Splash goggles, a laboratory apron, protective gloves, and an exhaust fume hood should be used when handling this material. This rating is given to materials which, in addition to having the potential for releasing harmful vapor, mist, or dust into the air, also have the potential for splashing. Strong acids, strong bases, and strong organic solvents would fall into this category.

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