Material Safety Data Sheet

Menthol (RXSOL-19-1994-025)

1. Product and Company Identifaction

Product Name	Menthol Crystal
Part Number	RXSOL-19-1994-025

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

Branch : Kandla, JNPT, Mumbai, Chennai, Vizag, Kolkata, UAE, Oman

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Email	123@rxmarine.com
Website	www.rxmarine.com

2. Composition / informationon ingredients

Componant	CAS-No	EC-No	Classification	Concentration
Menthol Crystal	2216-51-5	218-690-9	Skin Irrit. 2; Eye Irrit. 2; H315, H319	= 100 %

3. Hazards Identification

Signal word	Warning
Hazard statement(s)	H315 Causes skin irritation. H319 Causes serious eye irritation.
Precautionary statement(s)	P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Supplemental Hazard Statements	None
Other hazards	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

4. First Aid Measures

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.
Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Skin Contact	Wash off with soap and plenty of water. Consult a physician.
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Most important symptoms and effects, both acute and delayed	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indication of any immediate medical attention and special treatment needed	No data available

5. Fire-fighting Measures

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special hazards arising from the substance or mixture	Carbon oxides
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Further information	No data available

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.
Enviromental Precaution	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Methods and materials for containment and cleaning up	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.
Reference to other sections	For disposal see section 13.

7. Handling and Storage

Precautions for safe handling	Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.2.
Conditions for safe storage, including any incompatibilities	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Handle and store under inert gas. Air and moisture sensitive. Storage class (TRGS 510): Non Combustible Solids
Specific end use(s)	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. Exposure controls and personal protection

Appropriate engineering controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Personal Protection	Eye/face protection Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Body Protection	Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory protection	For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator.For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Control of environmental exposure	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.



Gloves



Suit

9. Physical and chemical properties

Appearance Form	Crystalline
Colour	Colourless
Odour	No data available
Odour Threshold	No Data Available
pH	No data available
Melting point/freezing Point	42 - 45 °C - lit.
Initial boiling point and Boilling range	212 °C - lit.
Flash point	101 °C - closed cup
Evaporation rate	No data available
Explosive limits	Upper/ Lower No data available
Vapour pressure	No data available
Vapour density	No data available
Relative density	0,89 g/cm3 at 25 °C
Water solubility	0,397 g/l - OECD Test Guideline 105
Partition coefficient n-octanol/water	log Pow: 3,25

Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Other safety information	No data available

10. Stability and reactivity

Recativity	No data available
Chemical Stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No data available
Conditions to avoid	No data available
Incompatible materials	Strong oxidizing agents
Hazardous decomposition products	Other decomposition products - No data available In the event of fire: see section 5

11. Toxicological information

Acute toxicity	LD50 Oral - Cat - 800 mg/kg Inhalation: No data available LD50 Dermal - Rabbit - > 5.000 mg/kg LD50 Intraperitoneal - Rat - 700 mg/kg Remarks: Behavioral:General anesthetic. Behavioral:Altered sleep time (including change in righting reflex). Respiratory disorder LD50 Intraperitoneal - Mouse - 6.600 mg/kg LD50 Intraperitoneal - Cat - 800 mg/kg LD50 Subcutaneous - Rat - 1.000 mg/kg LD50 Subcutaneous - Mouse - 5.000 mg/kg
Skin corrosion/irritation	Skin - Rabbit Result: Moderate skin irritation.
Serious eye damage/eye irritation	Eyes - Rabbit Result: Moderate eye irritation.
Respiratory or skin sensitisation	No data available
Germ cell mutagenicity	No data available
Carcinogenicity	IARC: 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 toxicity	LD50 200-2,000mg/kg
Specific target organ toxicity - single exposure	No data available
Specific target organ toxicity - repeated exposure	No data available
Aspiration hazard	No data available
Additional Information	RTECS: OT0700000 To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological information

Toxicity	Toxicity to fish Toxicity to daphnia and other aquatic invertebrates Toxicity to algae Toxicity to bacteria LC50 - Brachydanio rerio (zebrafish) - 15,6 mg/l - 96 h EC50 - Daphnia magna (Water flea) - 26,6 mg/l - 48 h (Tested according to Directive 92/69/EEC.) ErC50 - Desmodesmus subspicatus (green algae) - 21,4 mg/l - 72 h (Tested according to Directive 92/69/EEC.) EC50 - activated sludge - 237 mg/l (OECD Test Guideline 209)
Persistence and degradability	Biodegradability Result: 92 % - Readily biodegradable (OECD Test Guideline 301D)
Bioaccumulative potential	Indication of bioaccumulation.
Mobility in soil	No data available

Results of PBT and vPvB assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
Other adverse effects	Harmful to aquatic life. No data available

13. Disposal considerations

Product	Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
Contaminated packaging	Dispose of as unused product.

14. Transport information

DOT	Not regulated
TDG	Not regulated
IATA	Not regulated
IMDG/IMO	Not re

15. Regulatory information

SARA 313	Acute, Chronic
SARA 311/312	None of the igredients is listed
RCRA (Hazardous Waste Code):	None of the igredients is listed
TSCA (Toxic Substances Control Act):	None of the igredients is listed
CERCLA (Comprehencive Enviroment Response, Compensation, and Liability Act):	None of the igredients is listed
Chemicals known to cause cancer	None of the igredients is listed
Chemicals known to cause reproductive toxicity for females:	None of the igredients is listed
Chemicals known to cause reproductive toxicity for males:	None of the igredients is listed
Chemicals known to cause developmental toxicity:	None of the igredients is listed

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.