Material Safety Data Sheet

DI METHYL PHTHALATE (RXSOL-19-1144-050)

1. Product and Company Identifaction

Product Name	Dimethyl Phthalate
Part Number	RXSOL-19-1144-050
Chemical Formula	C10H10O4

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

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2. Composition / informationon ingredients

Name of Substance	Cas Number	EC NO	Weight
Dimethyl phthalate	131-11-3	205-011-6	= 100 %

3. Hazards Identification

Classification of the substance or mixture	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
Label elements	Not a hazardous substance or mixture.
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. Rapidly absorbed through skin.

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	Flush eyes with water as a precaution.
Swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician. 4.2 Most important symptoms and effects, both acute and delayed
Most important symptoms/effects, 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. Notes to Physician	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. 5.4
Further information	No data available

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures.	Avoid breathing vapours, mist or gas. Ensure adequate ventilation. For personal protection see section 8.
Environmental Precautions	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 material for containment and cleaning up	Keep in suitable, closed containers for disposal.
Reference to other sections	For disposal see section 13.

7. Handling and Storage

Precautions for safe handling	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. Storage class (TRGS 510): Combustible liquids.
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 protective equipment	Eye/face protection 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	Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) 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.

9. Physical and chemical properties

Appearance	Liquid, clear
Colour	Colourless
Odour	No data available
Odor Threshold	No data available
pH	No data available
Melting Point/Freezing Point	2 °C - lit. 282 °C - lit.
Initial Boiling Point and Boiling Range	Melting point/range: 2 °C - lit.
Flash Point	146.0 °C - closed cup
Evaporation Rate	No data available
Solid Flammability (solid,gas)	No data available
Explosion Limits	Upper explosion limit: 8.03 %(V) Lower explosion limit: 0.94 %(V)
Vapor Pressure	0.0015 mmHg at 20.0 °C 1.0 mmHg at 100.0 °C
Vapor Density	No data available
Relative density	1.19 g/cm3 at 25 °C
Water Solubility	Slightly soluble
Partition coefficient:n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	log Pow: 1.47 490.0 °C
Viscosity	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Other safety information	No data available

10. Stability and reactivity

Reactivity	No data available

Chemical Stability	Stable under recommended storage conditions.
Possibility of Hazardous Reaction	No data available
Conditions to Avoid	No data available
Incompatible Materials	Oxidizing agents, acids
Hazardous Decomposition Products	Hazardous decomposition products formed under fire conditions. - Carbon oxides.
Other decomposition products	No data available. In the event of fire: see section 5

11. Toxicological information

Acute toxicity	LD50 Oral - Rat - 8,200 mg/kg(Dimethyl phthalate) LD50 Dermal - Rabbit - > 12,000 mg/kg(Dimethyl phthalate)
Skin corrosion/irritation	Skin - Rabbit(Dimethyl phthalate) Result: No skin irritation - 24 h (Draize Test).
Serious eye damage/irritation	Eyes - Rabbit(Dimethyl phthalate) Result: No eye irritation - 72 h (OECD Test Guideline 405)
Respiratory or skin sensitisation	No data available(Dimethyl phthalate)
Germ cell mutagenicity	Ames test(Dimethyl phthalate) S. typhimurium Result: negative (Dimethyl phthalate)Rat - male Result: negative.
Carcinogenicity	This product is or contains a component that is not classifiable as to its classification.(Dimethyl phthalate) 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	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available
Additional Information	RTECS: Not available burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, Central nervous system depression, Gastrointestinal disturbance, Kidney injury may occur., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.(Dimethyl phthalate) Nerves. - (Dimethyl phthalate)

12. Ecological information

Toxicity	Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 39 mg/l - 144 h.
Toxicity to fish	flow-through test LC50 - Pimephales promelas (fathead minnow) - 39 mg/l - 96 h(Dimethyl phthalate) LC50 - Pimephales promelas (fathead minnow) - 39 mg/l - 144 h(Dimethyl phthalate).
Toxicity to daphnia and other aquatic invertebrates	LC50 - Daphnia magna (Water flea) - > 52 mg/l - 48 h.
Toxicity to daphnia and other aquatic invertebrates	EC50 - Daphnia magna (Water flea) - 46.00 mg/l - 48 h(Dimethyl phthalate)
Toxicity to algae EC50	Desmodesmus subspicatus (Scenedesmus subspicatus) - 204 mg/l -
Toxicity to algae static test EC50	Desmodesmus subspicatus (Scenedesmus subspicatus) - 204 mg/l - 72 h(Dimethyl phthalate)

Persistence and degradability	No Data Availabel
Bioaccumulative potential	Bioaccumulation Lepomis macrochirus (Bluegill sunfish) - 21 d.
Mobility in soil	Bioconcentration factor (BCF): 57 (OECD Test Guideline 305) No data available(Dimethyl phthalate)
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. 12.6 Other adverse effects Harmful to aquatic life.
Other adverse effects	Harmful to aquatic life.

13. Disposal considerations

Product	Offer surplus and non-recyclable solutions to a licensed disposal company.
Contaminated Packaging	Dispose of as unused product.

14. Transport information

DOT	Not regulated
TDG	Not regulated
Hazard Class	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture	This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
Chemical safety assessment	For this product a chemical safety assessment was not carried out.

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.