Material Safety Data Sheet

RXSOL Paraffin Wax Dispersant PD 100 (RXSOL-81-3075-200)

1. Product and Company Identifaction

Product Name	: RXSOL Paraffin Wax Dispersant PD 100
Part Number	: RXSOL-81-3075-200

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

Branch : Kandla, Mumbai , Chennai, Vizag, Kolkata, UAE , OMAN, CANADA and KENYA.

Phone	+91 22 20871200 - 1400
Fax	+91 22 2761 2100 :::AOH :0091 9821214367
Email	123@rxmarine.com
Website	www.rxmarine.com

2. Composition / informationon ingredients

Name of Substance	Cas Number	EC No	Wt. Percent	Symbol
VM P naphtha	8032-32-4		45-48	
Xylene	1330-20-7	202-422-2	35-40	Xi
Thylbenzene	100-41-4	202-849-4	1.0-5.0	Xn
Terpene	68956-56-9		12-15	Xn
Benzenesulfonic acid, C10 16 Alkyl	68584-24-7		1.0 -5.0	Xn
1,2,4-Trimethyl benzene	95-63-6		0.5-1.0	
Proprietory Blend	---	---	---	

3. Hazards Identification

Signal Word	Danger
Hazard Statements	Extremely flammable liquid and vapor. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. Suspected of damaging fertility or the unborn child. Suspected of causing cancer. May cause respiratory irritation. May cause drowsiness or dizziness. May be fatal if swallowed and enters airways

Precautionary statements - prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Use non-sparking tools. Take precautionary measures against static discharge. Ground and bond container and receiving equipment. Use explosion-proof electrical and ventilating equipment. Avoid breathing mist or vapours. Wash hands after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves and eye/face protection
Precautionary statements - response	IF exposed or concerned: Get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor/physician. IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. In case of fire: Use water fog, dry chemical, CO2 or ‘alcohol’ foam to extinguish Storage: Store locked up. Store in a well-ventilated place. Keep cool. Disposal: Dispose of contents and container in accordance with all local, regional, national and international regulations.

4. First Aid Measures

Eye Contact	Get medical attention immediately. Call a poison center or physician. Immediately flush the eye(s) continuously with lukewarm, gently flowing water for at least 20-60 minutes while holding the eyelid(s) open. Check for and remove any contact lenses. Chemical burns must be treated promptly by a physician
Skin Contact	Get medical attention immediately. Call a poison center or physician. Wash affected area with soap and mild detergent for at least 20 - 60 minutes. Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.
Ingestion:	Call a poison center or physician. Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway
Note to Physician	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

5. Fire-fighting Measures

Suitable extinguishing media	Use dry chemical, CO?, alcohol-resistant foam or water spray (fog).
Unsuitable extinguishing media	Do not use water jet
Protective Equipment	Wear suitable fire fightin suit.
Specific hazards arising from the chemical	Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion
Hazardous thermal decomposition products	Carbon dioxide,carbon monoxide,sulfur oxides
Special protective actions for fire-fighters	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathingapparatus (SCBA) with a full face-piece operated in positive pressure mode.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures	For non-emergency : personnelNo action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".
Enviromental Precaution	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
Methods and materials for containment and cleaning up	Small Spill :: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. Large Spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers,water courses, basements or confined areas. Wash spillages into an effluent treatmentplant or proceed as follows. Contain and collect spillage with non-combustible,absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. Handling and Storage

Advice on safe handling	Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
Storage	Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.
Conditions for safe storage including any incompatibilities	Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use

8. Exposure controls and personal protection

Occupational exposure limits	ExposureLimits:					
	ChemicalName	ACGIHTLV		OSHAPEL		
		TWA	STEL	PEL	STEL	
	VM&Pnaphtha	N/Av	N/Av	N/Av	N/Av	
	Xylenes	100ppm	150ppm	100ppm(435 N/Avmg/m³)		
	Hydrocarbons,terpeneprocessingby-products	N/Av	N/Av	N/Av	N/Av	
	Ethylbenzene	20ppm	N/Av	100ppm(435 N/Avmg/m³)		
	Benzenesulfonicacid,C10-16-alkylderivatives, compoundswith2-Propanamine	N/Av	N/Av	N/Av	N/Av	
	1,2,4-Trimethylbenzene	25ppm(mixedisomers)	N/Av	25ppm (trimethylbenzeneisomers)(finalrulelimit)	N/Av	

Engineering Controls	Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.
Personal Protection	Eye protection : Wear chemical safety goggles. When transferring material wear face-shield in addition to chemical safety goggles. If inhalation hazards exist, a full-face respirator may be required instead. Hand protection : Chemical-resistant glove Skin protection : Wear long sleeves and chemical resistant apron to prevent repeated or prolonged skin contact. Respiratory protection : If a risk assessment indicates it is necessary, use a properly fitted, air purifying or supplied air respirator complying with an approved standard. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

9. Physical and chemical properties

Physical State	Liquid
Colour	Clear Brown or yellow liquid
Odour	Characteristic aromatic hydrocarbon odour
Odor threshold	Not Available
pH	Not Available
Boiling Point	Not Available
Initial Boiling Point	Not Available
Freezing Point/ Melting Point	-35°C

Flash Point	Closed cup: 30°C
Burning Time	Not Applicable
Burning Rate	Not Applicable
Evaporation rate	Not Applicble
Flammability (solid, gas)	Highly flammable in the presence of the following materials or conditions: open flames, sparks and static discharge and heat.
Upper explosion limit	No data available
Lower explosion limit	No data available
Explosive properties	No data available
Vapor pressure	22.1 kPa (165.5 mm Hg, 3.2 psig) @ 54.4°C, 130 F (Reid)
Vapor density	No information available
Specific Gravity @ 25 Deg C	0.850 - 0.980
Water solubility	Insoluble
Partition coefficient: octanol	No data available
Autoignition temperature	No data available
Thermal decomposition	No data available
Viscosity, kinematic	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Dynamic viscosity	No data available
VOC (%)	No data available
Pour point	No information available

10. Stability and reactivity

Recativity	No specific test data related to reactivity available for this product or its ingredients.
Stability	Stable under normal conditions and recommended use.
Possibility of hazardous reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Incompatible materials	Reactive or incompatible with the following materials: oxidizing materials, organic materials, acids and alkalis.
Hazardous Decomposition	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Condition to Avoid	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
Polymerization	Hazardous polymerization does not occur.

11. Toxicological information

Acute toxicity

Chemical Name	LC50(4hr) inh,rat	LD50 (Oral,rat)	(Rabbit,dermal)
VM&Pnaphtha	3400ppm(16mg/L)	>5000mg/kg	>2000mg/kg
Xylenes	6350ppm(27.6mg/L)(vapour)	3253mg/kg	12180mg/kg
Hydrocarbons,terpeneprocessingby-products	N/Av	N/Av	N/Av
Ethylbenzene	4000ppm(17.4mg/L)(vapour)	3500mg/kg	15380mg/kg
Benzenesulfonicacid,C10-16-alkylderivatives,compoundswith 2-Propanamine	N/Av	>2000mg/kg	N/Av
1,2,4-Trimethylbenzene	18mg/L(vapour)	5000mg/kg	>3160mg/kg

Irritation/Corrosion

No applicable toxicity data

Sensitization

No applicable toxicity data

Mutagenicity

Not expected to be mutagenic in humans.

Carcinogenicity

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Carcinogenicity- Category 2 Suspected of causing cancer. Contains Ethylbenzene. Ethylbenzene is classifed as carcinogenic by IARC (Group 2B) and ACGIH (Category A3).

Reproductive toxicity

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Reproductive Toxicity - Category 2 Suspected of damaging fertility or the unborn child. This product contains Xylene. Xylene may cause fetotoxic effects (e.g. reduced fetal weight, delayed ossification, behavioral effects) at doses which are not maternally toxic, based on animal data.

Teratogenicity

No applicable toxicity data

Specific target organ toxicity (single exposure)

This material is classified as hazardous under U.S. OSHA regulations (29CFR 1910.1200) (Hazcom 2012) and Canadian WHMIS regulations (Hazardous Products Regulations) (WHMIS 2015). Classification: Specific Target Organ Toxicity, Single Exposure -Category 3 (respiratory) Specific Target Organ Toxicity, Single Exposure - Category 3 narcotic effects May cause respiratory irritation. May cause drowsiness or dizziness.

Aspiration hazard

Name	Result
Xylene	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure

Routes of entry anticipated: Dermal, Inhalation.

Potential acute health effects

Eye contact :

Causes serious eye damage.

Inhalation :

Harmful if inhaled. Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness.

Skin contact :

Causes severe burns. Harmful in contact with skin.

Ingestion :

Can cause central nervous system (CNS) depression.

Potential chronic health effects

General :	May cause damage to organs through prolonged or repeated exposure.
Carcinogenicity :	Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity :	No known significant effects or critical hazards.
Teratogenicity :	No known significant effects or critical hazards.
Developmental effects :	No known significant effects or critical hazards.
Fertility effects :	No known significant effects or critical hazards.

12. Ecological information

Not classified for hazards to the environment.However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. Do not allow material to contaminate ground water system.

EcoToxicity

Ingredients	CASNo	Toxicity to Fish		
		LC50/96h	NOEC/21day	MFactor
VM & P naphtha	8032-32-4	11.4mg/L(Rainbow trout)	N/Av	None.
Xylenes	1330-20-7	8.2mg/L(Rainbow trout)	N/Av	None.
Hydrocarbons,terpene processingby-products	68956-56-9	5.07mg/L(Zebrafish)	N/Av	None.
Ethylbenzene	100-41-4	4.2mg/L(Rainbow trout)	1.13mg/L(30days)(QSAR)	None.
Benzene sulfonicacid,C10-16-alkyl derivatives, compounds with 2-Propanamine	68584-24-7	N/Av	N/Av	None.
1,2,4-Trimethylbenzene	95-63-6	7.72mg/L(Fathead minnow)	N/Av	None.

Ingredients	CASNo	Toxicity to Daphnia		
		EC50/48h	NOEC/21day	MFactor
VM & P naphtha	8032-32-4	4.5mg/L(Daphniamagna)	0.17mg/L(Daphniamagna)	None.
Xylenes	1330-20-7	3.2-9.56mg/L(Daphniamagna)	N/Av	None.
Hydrocarbons,terpene processing by-products	68956-56-9	2.1mg/L(Daphniamagna)	N/Av	None.
Ethylbenzene	100-41-4	1.81mg/L(Daphniamagna)	N/Av	None.
Benzenesulfonic acid,C10-16-alkyl derivatives, compoundswith2-Propanamine	68584-24-7	N/Av	N/Av	None.
1,2,4-Trimethylbenzene	95-63-6	3.6mg/L(Daphniamagna)	N/Av	None.

Persistence and degradability

Not available.

Other adverse effects	No known significant effects or critical hazards.
Mobility in Soil	No data is available on the product itself.
Results of PBT and vPvB assessment	Not classified as PBT/vPvB by current EU criteria.

13. Disposal considerations

Remarks	Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.
Waste Disposal	Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

14. Transport information

Transport hazard class(es)	Regulatory Information	UN Number	UN proper shipping name	Transport hazard class(es)	Packing Group	Label
	TDG	UN1993	FLAMMABLE LIQUID,N.O.S.(V M& P Naphtha)	3	I	FLAMMABLE
	TDG Additionali nformation	Please consult the TDG guidelines for further information.				
	49CFR/DOT	UN1993	FLAMMABLE LIQUID,N.O.S.(V M& P Naphtha)	3	I	FLAMMABLE
	49CFR/DOT Additional information	May be shippedasa Limited Quantity according to packaging section173.150.				
	ICAO/IATA	UN1993	FLAMMABLE LIQUID,N.O.S.(V M& P Naphtha)	3	I	FLAMMABLE
	ICAO/IATA Additional information	Refer to ICAO/IATA Packing Instruction				
	IMDG	UN1993	FLAMMABLE LIQUID,N.O.S.(V M& P Naphtha)	3	I	FLAMMABLE
	IMDG Additional information	Consult the IMDG regulations for exceptions.				

Additional information	
Special precautions for user	Keep away from heat, sparks and open flame. - No smoking.
TDG Classification	Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3), 2.40-2.42 (Class 8).
IATA	The environmentally hazardous substance mark may appear if required by other transportation regulations.
Special precautions for user	Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.
Environmental hazards	
Environmental hazards	This substance does not meet the criteria for an environmentally hazardous substance according to the IMDG Code. See ECOLOGICAL INFORMATION, Section 12..
Marine pollutant	No

15. Regulatory information

US Federal Regulations

Ingredients	CAS#	TSCA Inventory	CERCLA Reportable Quantity (RQ)(40 CFR117.302):	SARA TITLE III: Sec.302, Extremely Hazardous Substance,40 CFR355:	SARA TITLE III: Sec.313, 40CFR 372,Specific Toxic Chemical	
					Toxic Chemical	Deminimus Concentration
VM&Pnaphtha	8032-32-4	Yes	N/Ap	N/Av	No	N/Ap
Xylenes	1330-20-7	Yes	100lbs/45.4kg	None.	Yes	1%
Hydrocarbons,terpene processingby-products	68956-56-9	Yes	N/Ap	N/Av	No	N/Ap
Ethylbenzene	100-41-4	Yes	1000lb/454kg	None.	Yes	0.1%
Benzenesulfonicacid, C10-16-alkylderivatives,compoundswith 2-Propanamine	68584-24-7	Yes	N/Ap	N/Av	No	N/Ap
1,2,4-Trimethylbenzene	95-63-6	Yes	None.	None.	Yes	1%

CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA) :
This product contains substance(s) which are not listed on the Domestic Substances List (DSL) or the Non-Domestic Substances List (NDSL).

NATIONAL REGULATIONS, CANADA :
WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS) :
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS CLASSIFICATION :
B2 - Flammable Liquids, D2A - Materials Causing Other Toxic Effects - Very Toxic Material, D2B - Materials Causing Other Toxic Effects - Toxic Material

California Prop. 65
WARNING: This product can expose you to benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. This product can expose you to chemicals including Sulfuric acid, ethylbenzene, cumene, which are known to the State of California to cause cancer, and Toluene, which is known to the State of California to cause birth defects or other reproductive harm.

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. DISCLAIMER OF LIABILITY :The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.