Material Safety Data Sheet

Wax Based Heavy Duty Corrosion Protection Coating (RXSOL-25-1005-025)

1. Product and Company Identifaction

Porduct Name	Wax Based Heavy Duty Corrosion Protection Coating
Part Number	RXSOL-25-1005-025

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

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2. Composition / informationon ingredients

Chemical Name	CAS No	EC No	Index No	REACH Reg. No.	% (w/w)	Classification (EC 1272/2008)	Notes
Distillates (petroleum), hydrotreated light paraffinic	64742-55-8	265-158-7	649-468-00-3	01-2119487077-29-XXXX	25 – 50	Asp. Tox. 1, H304	Note L
Hydrocarbon waxes (petroleum), oxidized	64743-00-6	265-205-1	–	01-2119972699-13-XXXX	5 – 10	Eye Irrit. 2, H319	–
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7	265-157-1	649-467-00-8	01-2119484627-25-XXXX	5 – 10	Asp. Tox. 1, H304	Note L
Rape oil, reaction products with diethylenetriamine	91081-13-9	293-615-0	–	01-2120743155-59	1 – 2.5	Skin Sens. 1B, H317	(C ?5%) Skin Sens. 1B, H317
Maleic Anhydride	108-31-6	203-571-6	607-096-00-9	01-2119472428-31-XXXX	0.0001 – 0.0005	Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bw); Skin Corr. 1B, H314; Resp. Sens. 1, H334; Skin Sens. 1A, H317; STOT RE 1, H372	(C ?0.001%) Skin Sens. 1A, H317

3. Hazards Identification

Classification of the substance or mixture	This mixture does not meet the criteria for classification according to Regulation (EC) 1272/2008 as amended.
Label elements	This mixture does not meet the criteria for labelling according to Regulation (EC) 1272/2008 as amended.
Supplemental hazard information	EUH208 Contains Rape oil, reaction products with diethylenetriamine. May produce an allergic reaction EUH210 Safety data sheet available on request
Other hazards	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII. This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.

4. First Aid Measures

Description of first aid measures

Eye Contact	Rinse eyes with water as a precaution.
Skin Contact	Gently wash with plenty of soap and water.
Inhalation	Remove person to fresh air and keep comfortable for breathing.
Ingestion	Do NOT induce vomiting. Seek medical attention immediately.
Most important symptoms and effects, both acute and delayed	No additional information available.
Indication of any immediate medical attention and special treatment needed	Treat symptomatically.

5. Fire-fighting Measures

Extinguishing media

Suitable extinguishing media	Water spray. Dry powder. Foam. Carbon dioxide.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Special hazards arising from the substance or mixture	Hazardous combustion products ： Toxic fumes may be released.
Advice for firefighters	Protection during firefighting ： Do not attempt to take action without suitable protective equipment. Selfcontained breathing apparatus. Complete protective clothing.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Emergency procedures	Ventilate spillage area.

For emergency responders Protective equipment	Do not attempt to take action without suitable protective equipment. For further information refer to section 8: Exposure controls/personal protection.
Environmental precautions	Avoid release to the environment.

Methods and material for containment and cleaning up

Methods for cleaning up	Large Spills: Stop leak if safe to do so. Absorb remaining liquid with sand or inert absorbent and remove to safe place. Flush residue with large amounts of water. Small spills: Wipe up with absorbent material (for example cloth). Clean surface thoroughly to remove residual contamination.
Other information	Dispose of materials or solid residues at an authorized site.
Reference to other sections	For further information refer to section 13. For further information refer to section 8: "Exposure controls/personal protection".

7. Handling and Storage

Precautions for safe handling

Precautions for safe handling	Ensure good ventilation of the work station. Wear personal protective equipment. Avoid contact with skin and eyes.
Hygiene measures	Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Conditions for safe storage, including any incompatibilities

Storage conditions	Store in a dry, cool and well-ventilated place. Keep container tightly closed. Keep away from heat and direct sunlight. May be stored under inert gas.
Incompatible materials	oxidizing materials.
Specific end use(s)	No additional information available.

8. Exposure controls and personal protection

Control Parameters

Occupational Exposure Limits:
This product contains no substances with established occupational exposure limits.

DNEL – Derived No-Effect Levels:

Component	Population	Route	Value	Effect
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	Worker	Inhalation	5.58 mg/m³	Acute – local
	Worker	Dermal	0.97 mg/kg bw/day	Long-term – systemic
	Consumer	Inhalation	2.73 mg/m³	Long-term – systemic
	Consumer	Oral	0.74 mg/kg bw/day	Long-term – systemic
	Consumer	Dermal	1.7 mg/kg bw/day	Long-term – systemic
Hydrocarbon waxes, oxidized (CAS 64743-00-6)	Consumer	Inhalation	0.23 mg/m³	Long-term – systemic
	Consumer	Oral	0.8 mg/kg bw/day	Long-term – systemic
	Consumer	Dermal	0.8 mg/kg bw/day	Long-term – systemic
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	Worker	Dermal	1 mg/kg bw/day	Long-term – systemic
	Worker	Inhalation	2.7 mg/m³	Long-term – systemic
	Consumer	Inhalation	5.6 mg/m³	Long-term – local
	Consumer	Oral	0.74 mg/kg bw/day	Long-term – systemic
Rape oil, reaction products with diethylenetriamine (CAS 91081-13-9)	Worker	Dermal	86.7 µg/cm²	Long-term – local
	Consumer	Dermal	86.7 µg/cm²	Long-term – local

PNEC – Predicted No-Effect Concentrations:

Component	Compartment	Value	Notes
Distillates (petroleum), hydrotreated light paraffinic (CAS 64742-55-8)	Oral (secondary poisoning)	9.33 mg/kg food	–
	Freshwater	0.1 mg/l	–
	Seawater	0.01 mg/l	–
Distillates (petroleum), hydrotreated heavy paraffinic (CAS 64742-54-7)	Freshwater	1 mg/l	Intermittent release
	Freshwater sediment	4270 mg/kg dwt	–
	Marine sediment	427 mg/kg dwt	–
	Soil	854 mg/kg dwt	–
	Oral (secondary poisoning)	66.7 mg/kg food	–
	STP (sewage treatment plant)	100 mg/l	–

Exposure Controls

Engineering Controls:

- Ensure adequate general ventilation (typically ?10 air changes per hour).
- Use process enclosures or local exhaust ventilation where necessary to maintain airborne concentrations below DNEL values.

Personal Protective Equipment (PPE):

- **Eye/Face Protection:** Safety glasses with side shields (EN 166 or equivalent).
- **Hand Protection:**
  - Nitrile rubber gloves, thickness ?0.4 mm, breakthrough time >480 min.
  - Recommended model: Camatril Velours® 730 (Kächele-Cama GmbH) or equivalent.
  - In case of splash contact: same material and protection level.
- **Skin/Body Protection:** Suitable protective clothing resistant to hydrocarbons.
- **Respiratory Protection:** If ventilation is insufficient, wear a combination filter (A-P2) certified to EN 143/EN 14387.
- **Thermal Hazards:** Wear protective clothing if handling at elevated temperatures.

Hygiene Measures:

- Wash hands thoroughly after handling.
- Do not eat, drink, or smoke during use.
- Wash contaminated clothing before reuse.

Environmental Exposure Controls:

- Prevent release into drains, surface water, and soil.
- Notify supervisory/environmental authorities in case of large spills or accidental release.

9. Physical and chemical properties

Physical state	Liquid
Colour	White
Odour	Characteristics
Odor Threshold	No data available
pH	Not applicable
Melting Point	Not applicable
Boiling Point	No data available
Flash Point	138 °C DIN EN ISO 2719 (PM)
Evaporation Rate	Not Applicable
Flammability (solid, gas)	No data available
Explosive limits	No Data Available
Upper/lower flammability or explosive limits	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Vapour pressure	No data available

Viscosity, kinematic	? 600 mPa·s @ 23°C
Density	1.025 g/ml @ 15°C
Relative Density	No data available
Specific Gravity	No data available
Partition coefficient	No data available
Explosive properties	No data available
Solubility	No data available
Ignition temperature	No information available.
Particle characteristics	No data available

10. Stability and reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	No dangerous reactions known under normal conditions of use.
Conditions to avoid	None under recommended storage and handling conditions (see section 7).
Incompatible materials	No additional information available.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. Toxicological information

Acute toxicity	Based on available data, the classification criteria are not met.
Skin corrosion/irritation	Based on available data, the classification criteria are not met.
Serious eye damage/irritation	Based on available data, the classification criteria are not met.
Respiratory or skin sensitization	Based on available data, the classification criteria are not met.
Carcinogenicity	Based on available data, the classification criteria are not met. (All hydrocarbons in this mixture: Note L is applicable (DMSO 3%), therefore no classification as carcinogen)
Germ cell mutagenicity	Based on available data, the classification criteria are not met.
Reproductive toxicity	Based on available data, the classification criteria are not met
STOT-single exposure	Based on available data, the classification criteria are not met
STOT-repeated exposure	Based on available data, the classification criteria are not met
Aspiration hazard	Based on available data, the classification criteria are not met

12. Ecological information

Toxicity

Ecology - general	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability

Distillates (petroleum), hydrotreated light paraffinic (64742-55-8)

Persistence and degradability	Inherently biodegradable.
Biodegradation	31 % OECD Guideline 301 F
Bioaccumulative potential	No additional information available .
Mobility in soil	No additional information available.

Results of PBT and vPvB assessment	Corrosion Protection Wax UBS : This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII. This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.
Component	Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) : This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII. This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII.
Other adverse effects	No additional information available.

13. Disposal considerations

Product	Offer surplus and non-recyclable solutions to a licensed disposal company. Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. Leave chemicals in original containers. No mixing with other waste. Handle uncleaned containers like the product itself.
Contaminated packaging	Dispose of as unused product.
Waste treatment Method	See www.retrologistik.com for processes regarding the return of chemicals and containers, or contact us there if you have further questions.

14. Transport information

UN number	ADR/RID:2404 IMDG:2404 IATA: 2404
UN proper shipping name	ADR/RID:PROPIONITRILE IMDG:PROPIONITRILE IATA:PROPIONITRILE
Transport hazard class(es)	ADR/RID: 3 (6.1) IMDG: 3 (6.1) IATA:3 (6.1)
Packaging group	ADR/RID: II IMDG: II IATA:II
Environmental hazards	ADR/RID: No IMDG: No IATA: No
Special precautions for user	No data available
Further information	Not classified as dangerous in the meaning of transport regulations.

15. Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture	This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.
Other regulations	Observe work restrictions regarding maternity protection in accordance to Dir 92/85/EEC or stricter national regulations where applicable. Take note of Dir 94/33/EC on the protection of young people at work.
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 weassume 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.