Material Safety Data Sheet

Degreaser Natural Biodegradable High KB Natural (RXSOL-10-1718-020)

1. Product and Company Identifaction

Product Name	RXSOL-10-1718-020
Product Type	Natural Biodegradable Degreaser High KB Natural

Company Details:

RX MARINE INTERNATIONAL
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2. Composition / informationon ingredients

Chemical Name	Concentration	CAS Number	Applicable PEL-OSHA	Exposure Limits TLVACGIH
Ethyl Hydroxy Propionate	>96%	97-64-3	none	none

3. Hazards Identification

Acute Health Effects:

Eyes:	Risk of damage
Skin Contact:	Not an irritant
Ingestion:	
Inhalation:	Possible narcotic effects at excessive exposure
Chronic Health Effects	Oral Allowed as food additive by FDA and FAO/WHO; not listed as a carcinogen
Routes of Entry	Most common – skin and inhalation
Medical Conditions Aggravated by Exposure:	Mist may cause eye/respiratory irritation with coughing

4. First Aid Measures

Eyes:	Immediately flush with water for at least 15 minutes. See a medical doctor immediately.
Skin:	Rinse with water
Inhalation:	Remove to fresh air. If discomfort occurs and persists, obtain medical attention.
Ingestion:	Induce vomiting. See a doctor immediately.

5. Fire-fighting Measures

Extinguishing Media:	Water, water fog, carbon dioxide (CO2), dry chemical
Special Procedures:	Wear NIOSH approved respirator
Degree of Fire and	Moderate
Explosion Hazard:	Hazardous Decom-
Position Procedures:	None. Decomposes to water and CO2 when completely combusted.

6. Accidental Release Measures

Procedure for	Cover with large quantity of absorbent material (e.g. kitty litter) and collect in drums for
Release or Spill:	disposal. Clean contaminated area with water and discharge to sewer.

7. Handling and Storage

Handling:	Keep container tightly closed. Store in a cool, dry, well-ventilated, liquid storage area.
Ventilation:	Use adequate general or local exhaust ventilation to keep vapor and mist levels as low as possible.
Storage:	Store in a cool, dry area away from acids.

8. Exposure controls and personal protection

Recommended Personal Protective Equipment:	
Respiratory:	None required where adequate ventilation conditions exist.
Ventilation:	
recommended	recommended
(Mechanical – general):	general dilution
Eye Protection:	Use chemical goggles
Gloves:	Use impervious gloves to prevent skin contact.
Special Clothing and Equipment:	Aprons recommended. If clothing becomes contaminated, remove and launder before reuse.
Other Protective Equipment:	none identified

Foot Protection:	industrial safety shoes
Other Engineering Controls:	none identified
Work Practices:	Do not smoke in areas of storage or use. Avoid all contact with skin and eyes.
Control Measures:	Minimize eye and skin contact by using appropriate protective equipment. Use local or general room ventilation to control vapors or mist that may be generated into the work environment.

9. Physical and chemical properties

Melting Point:	not applicable
Boiling Point:	309o F
Vapor Pressure (mmHg):	1.7
Vapor Density (air=1):	4.07
Flash Point (method used):	139o F
Flammable limits @ 212o F:	Lel – 1.6% Uel – 10.6%
Extinguishing Media:	water, foam, CO2
Special Fire Fighting Proc:	not required
to avoid):	none
Products:	none
Specific Gravity (H2O=1):	Percent volatile by volume (%):
Percent volatile by volume (%):	100
Evaporation rate (butyl acetate=1):	0.22
pH of water dispersion:	
Appearance and Odor:	Clear colorless liquid; mild odor ASTM D93, closed cup
Solubility:	(specific solvents) complete (in water)
Odor Threshold:	0.89 mg/m3 (0.18 ppm)
Bulk Density (G/ML):	not applicable Incompatibility (materials
Partition coefficient:	n-octanol/water – not applicable
Autoignition Temperature:	752o F
Explosive Properties:	not applicable
Oxidizing Properties:	not applicable

10. Stability and reactivity

Stability:	stable
Hazardous Polymerization:	none known
Conditions to Avoid:	none known
Materials to Avoid:	strong oxidizing agents

Major Contaminants that Contribute to Instability:	none
Incompatibility:	none known
Hazardous Decomposition Products:	none
Sensitivity to Mech. Impact:	none
Sensitivity to Static Discharge:	none

11. Toxicological information

Eye Contact:	severe irritant (rabbit)
Skin Contact:	LD 50 (rats/24 hrs.) >2000mg/kg
Skin Absorption:	no data available
Inhalation:	LD 50 (rat/4 hrs.) >5400 mg/m3
Ingestion:	LD 50 = 4090 MG/KG (rat) (RTECS 1985-86)
Acute Effects from Overexposure:	may cause severe irritation of the eyes
Chronic Effects from Overexposure:	none identified

(effects considered include: sensitivities, carcinogenicity, teratogenicity, mutagenicity, synergistic, products, and any medical conditions generally recognized as being aggravated by exposure)

12. Ecological information

Environmental Data:	100% biodegradable
Environmental Effects:	No adverse effects known or suspected. Not listed toxic chemical under SARA Title 111.302, 304 or 313

13. Disposal considerations

Waste Disposal Method:	Take up with sand or other non-combustible absorbent material and place into container for later disposal. Flush area with water. Dispose in accordance with all applicable Federal, State and local environmental regulations.

14. Transport information

DOT Proper Shipping Name:	Ethyl Hydroxy Propionate
IATA:	not applicable
IMDG:	Class 3.3
DOT Classification:	Combustible Liquid N.O.S.
DOT Labels:	Flammable Liquid, 3

DOT Marking:	not applicable
DOT Placard:	bulk: flammable liquid 1192. Drums: no placard required under 110 gal.
UN Number:	1192
Hazardous Substance/RQ:	not applicable
49 STCC Number:	not applicable
Precautions To Be Taken in Transport:	none needed
Other Shipping Information:	none

15. Regulatory information

OSHA Exposure Limits Substance(s):	Ethyl Hydroxy Propionate
OSHA PEL-TWA:	not applicable
STEL:	not applicable
Ceiling:	not applicable
Skin Designation:	not applicable
AGGIH TLV-TWA:	not applicable
STEL:	not applicable
Ceiling:	not applicable
Skin Designation	not applicable
Target Organ Effects:	Eye
Carcinogenic Potential:	none
Regulated by OSHA:	no
Listed on NTP Report:	no
IARC Group 1, 2A, 2D:	no
US EPA Requirements Release Reporting CERCLA:	
(40 CFR 302):	
Listed Substances:	not listed
RQ:	not applicable
Category:	not applicable
RCRA Waste No.:	not applicable
Unlisted Substances:	not applicable
RQ	not applicable
Characteristic:	not applicable
RCRA Waste No.:	not applicable
SARA Title III Sec 313 (40 CFR 372):	
Listed Toxic Chemical:	not listed
Inventory Reporting SARA Title III Sec 311/312:	
(40 CFR 370):	
Substance(s):	Ethyl Lactate
Hazard Category:	
Planning threshold:	
Emergency Planning	
SARA Title III Sec 302-303 (40 CFR 355):	
Listed Substances:	not applicable
RQ:	not applicable

Planning Threshold	not applicable
US TSCA Status:	listed
Canada Ingredient Disclosure List Substance(s):	Ethyl Lactate
Controlled Product:	
Hazard Symbols:	
Class and Division:	
Product Identification No.:	
Domestic Substance List:	
CEPA Priority List:	
Carcinogenicity:	not listed in other OSHA, ACGIH, NTP, or IARC
ACGIH Appendix A:	not listed
A1 – Confirmed Human:	not listed
A! – Suspected Human:	not listed
IARC Group 1 or 2:	no
Label Language (US/Canada) Health:	not applicable
Physical Handling and Storage:	Keep container tightly closed. Store in a cool, dry, wellventilated liquid storage area.
First Aid:	In case of contact, immediately flush eyes with water for at least 15 minutes. If irritation persists, obtain medical attention. Flush skin with water.
State Regulations:	

16. Other information

OSHA permissible exposure limit or ACGIH threshold limit value has not been established.

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