

Safety Data Sheet

“Mistic 2000 Vegetable Lube”

1. IDENTIFICATION

Product Name: Mistic 2000 Vegetable Lube **Product #:** 0330 **Recommended Use:** Industrial Process

Lubricant

Spill Emergency Telephone No.: 815-394-1744

Business Telephone No.: 815-394-1744

Company Undertaking Identification:

Current Revision: 08/10/2015

Ekstrom Carlson Co
5248 27th Ave
Rockford, IL 61109

2. HAZARDS IDENTIFICATION

Health Hazards (acute toxicity):

Physical Hazards:

Not Classified

Oral

Not Classified

Dermal

Not Classified

Inhalation

Not Classified

Skin Irritation/Corrosion:

Category 3

Warning

Causes mild skin irritation

Eye Irritation/Damage:

Category 2B

Warning

Causes eye irritation

Respiratory Sensitization:

Not Classified

Skin Sensitization:

Not Classified

Germ Cell Mutagenicity:

Not Classified

Carcinogenicity:

Not Classified

Reproductive Toxicity:

Not Classified

Specific Target Organ Toxicity (single exposure)

Not Classified

Specific Target Organ Toxicity (repeated exposure)

Not Classified

Aspiration Hazard:

Not Classified

Aquatic Toxicity (chronic):

Not Classified

Hazardous to the Ozone:

Not Classified

Labeling Elements

Hazard Codes: H316,H320

Precautionary Statements

Prevention: P264: Wash thoroughly after handling.

Response: P332+P313: If skin irritation occurs: Get medical advice.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313: If eye irritation persists: Get medical advice.

Storage: N/A

Disposal: P501: Dispose of contents/container to an approved waste treatment facility.

Other Hazards: N/D

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name(s)	Hazard Class	Hazard Code	% Wgt.	CAS # EINECS #	REACH Pre-Registration Number
Naphthenic oil*	Carc.1 B	H350	30-60	64742-52-5 265-155-0	N/A
Canola oil	N/A	N/A	30-60	120962-03-0 N/F	N/A

*IARC Monographs state that when laboratory animals are exposed to severely hydro-treated oils, such as these product(s). There is **insufficient evidence** for cancer. Thus these oils are **Unlabeled** in accordance with 29 CFR 1910.1200. Consult a physician promptly.*

4. FIRST AID MEASURES

Rout of Exposure

Necessary Measures

Inhalation: Remove affected person to fresh air. If breathing has not returned to normal within a few minutes after exposure, get medical attention.

Skin: Remove contaminated clothing. Wash affected area with soap and water. Launder contaminated clothing before reuse. If irritation persists, seek medical attention.

Eyes: Check for and remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open. If irritation persists, seek medical attention.

Ingestion: Drink two glasses of water. DO NOT induce vomiting. If symptoms persist, seek medical attention.

Symptom / Effect Acute, Delayed

Inhalation: May be irritating to upper respiratory tract.

Skin: Brief contact may cause slight irritation. Prolonged contact may cause moderate irritation or dermatitis.

Eyes: High vapor concentration or contact may cause irritation and discomfort.

Ingestion: May cause gastric distress, stomach pains.

Symptom / Indication of Immediate Medical Attention Needed

Increase of pain or swelling.

5. FIREFIGHTING MEASURES

<u>General Hazards:</u>	Products of combustion include compounds of hydrogen and Oxygen.
<u>Extinguishing Media:</u>	Carbon dioxide, dry chemical, chemical foam.
<u>Fire Fighting Procedures:</u>	Cool containers to prevent pressure buildup and possible explosion when exposed to extreme heat.
<u>Unusual Fire and Explosion Hazards:</u>	Spilled material is slippery.
<u>Hazardous Combustion Products:</u>	Smoke, fumes or vapors, oxides of carbon

6. ACCIDENTAL RELEASE MEASURES

<u>Steps to be Taken in Case Material is Released or Spilled:</u>	Small spills – wear proper PPE before assisting with clean-up. Absorb on inert material. Do not flush to sanitary sewer. Large spills – Stop or dam leak at the source. Confine and absorb into approved absorbent. Place material into approved containers for disposal. Do not wash to sewer or waterway.
<u>Personal Protective Equipment:</u>	Neoprene, butyl or nitrile rubber gloves with cuffs. Protective eyeglasses or chemical safety goggles. Clothing as handling situation dictates to avoid eye and skin contact. Safety eyewash station nearby.
<u>Methods and Materials for Containment and Cleanup:</u>	Liquid material can be removed with a vacuum truck. Flush spill area with water. All material should be removed for proper treatment or disposal.

7. HANDLING AND STORAGE

<u>Precautions to be Taken in Handling and Storage:</u>	Keep container closed when not in use, protect containers from abuse, protect From extreme temperatures.
<u>Storage Temperature, °C:</u>	>-3, <49 If stored at <-3 or >49 for an extended period of time, separation of material may occur. Re-mix material thoroughly before use.
<u>Incompatibilities:</u>	Strong oxidizers

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Hazardous Components</u>	NIOSH REL's (C=Ceiling)				ACGIH TLV's (C=Ceiling)				DFG MAK's (as dust)		
	TWA ppm	TWA mg/m ³	STEL ppm	STEL mg/m ³	TWA ppm	TWA mg/m ³	STEL ppm	STEL mg/m ³	TWA ppm	TWA mg/m ³	Peak
Naphthenic oil				N/D	5	5					N/D

Canola oil	N/D		5			N/D
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Personal Protection

<u>Respiratory Protection (Specify Type):</u>	None required while threshold limits are kept below maximum allowable concentrations. If TWA exceeds standard workplace limits, NIOSH approved respirator must be worn. Refer to 29CFR 1910.134 or European Standard EN 149 for complete regulations.
<u>Protective Gloves (Specify Type):</u>	Neoprene, butyl or nitrile rubber gloves with cuffs
<u>Eye Protection (Specify Type):</u>	Protective eyeglasses or chemical safety goggles. Refer to 29 CFR 1910.133 or European Standard EN 166.
<u>Other Protective Clothing or Equipment:</u>	Clothing as handling situation dictates to avoid eye and skin contact.
<u>Work/Hygienic Practices:</u>	Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.
<u>Environmental Exposure Controls:</u>	Provide sufficient ventilation to maintain exposure below component TLVs or MAKs. If component TLVs or MAKs are exceeded, an approved respirator is advised until engineering or administrative controls are implemented.

9. PHYSICAL AND CHEMICAL PROPERTIES

<u>Appearance:</u>	Light yellow	<u>Odour:</u>	Mild
<u>pH Concentrate=:</u>	N/A	<u>Initial Boiling Point °C:</u>	150
<u>Flash Point °C, (Method):</u>	165 CC	<u>Flammability:</u>	Product will support combustion
<u>Auto-Ignition Temperature °C:</u>	N/A	<u>Explosive Properties @ 25°C:</u>	<u>LEL:</u> N/D <u>UEL:</u> N/D
<u>Oxidizing Properties:</u>	N/D	<u>Vapour Pressure:</u>	>0.1mm Hg @ 20°C
<u>Relative Density (Water = 1):</u>	0.9 ± 0.1	<u>Evaporation Rate (water=1):</u>	<1
<u>Partition Coefficient:</u>	N/D	<u>Solubility, (water):</u>	None
<u>Freeze / Melting Point ° C:</u>	N/D	<u>Volatile Organic Compounds g/l:</u>	N/A
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10. STABILITY AND REACTIVITY

<u>Chemical Stability:</u>	Stable under normal conditions	<u>Conditions to Avoid:</u>	Do not permit product to get into an oxygen Regulator.
<u>Incompatibility (Materials to Avoid):</u>	Strong oxidizers	<u>Hazardous Decomposition Products:</u>	CO, CO2, POx

Hazardous Reactions: Will not occur when used

as intended

11. TOXICOLOGICAL INFORMATION

<u>Hazardous Components</u>	<u>CAS# EINECS#</u>	<u>LD50 of ingredient (Specify Species and Rout)</u>	<u>LC50 of Ingredient (Specify Species)</u>
Naphthenic oil	64742-52-5 265-155-0	>5g/kg Oral (Rat)	N/F
Canola oil	120962-03-0 N/F	N/F	N/F

Basis for Toxicological Rating: IUCLID Dataset 2000, raw material data sheets. The LD50 and LC50 are reported as the raw materials not as they are present in this mixture.

Common Route of Entry:

Skin Contact Skin Absorption Eye Contact Inhalation Ingestion

12. ECOLOGICAL INFORMATION

No data is available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that a neutralized mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system.

13. DISPOSAL CONSIDERATIONS

**Waste
Disposal
Method:**

Dispose in accordance with Local, State, and Federal Regulations. Do not discharge into lakes, ponds, streams or public waters. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system.

**Waste
Catalogue Key:**

According to the European Waste Catalogue, waste codes are application specific and should be assigned by the user based on the application for which the product is used.

Safe Handling: Wear appropriate personal protective equipment for the material being handled.

14. TRANSPORTATION INFORMATION

Land (D.O.T.): Not Regulated

Ocean: Not Regulated

Air: Not Regulated

**Marine
Pollutant:** This product does not contain any listed Marine Pollutants.

Note: Transportation information provided is for reference only. Client is urged to consult 49CFR 100-177, IMDG, IATA, EU, United Nations TDG, and WHMIS (Canada) TDG Information Manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

15. REGULATORY INFORMATION

TSCA (USA – Toxic Substance Control Act):

All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume Exemption has been granted in accordance with 40CFR 723.50.

SARA Title III (USA - Superfund Amendments and Reauthorization Act):

311/312 Hazard Categories: Acute Chronic
 Reactivity Fire
 313 Reportable Ingredients: This product does not contain >1% (>0.1% carcinogenic) of any listed substance under SARA 313.

CERCLA (USA – Comprehensive Response Compensation and Liability Act):

N/A

DSL/NDSL (Canadian Domestic Substance List/Non-Domestic Substance List):

Components of this product identified by CAS # are listed on the DSL or NDSL and may or may not be listed in Section 3 of this document. Only ingredients classified as “hazardous” are listed in Section 3 unless otherwise indicated.

EINECS (European Inventory of Existing Commercial Chemical Substances):

Components of this product identified by EINECS # are on the European Inventory of Existing Commercial Chemical Substances.

16. OTHER INFORMATION

NFPA Hazard Ratings:

Health 0
 Flammability 1
 Reactivity 0
 Specific Hazard N/D

Important: Ekstrom Carlson can only give general guidelines for PPE required for use. Employers must determine the appropriate PPE for the actual conditions under which this product is used in their workplace.

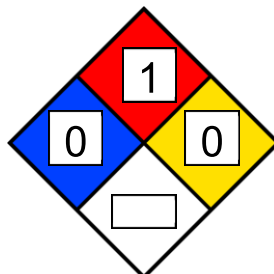
0=Minimal	1=Slight	2=Moderate	3=Serious	4=Severe
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HMIS Hazard Ratings:

Health 0
 Flammability 1
 Physical Hazard 0
 Personal Protective

Important: Ekstrom Carlson can only give general guidelines for PPE required for use. Employers must determine the appropriate PPE for the actual conditions under which this product is used in their workplace.

Equipment: B Gloves and eye protection



CAS - Chemical Abstract Services

NFPA - National Fire Protective Association

<p>CCC - Cleveland Closed Cup (flash point test) CERCLA - Comprehensive Environmental Response Compensation and Liability Act CFR - Code of Federal Regulations COC - Cleveland Open Cup (flash point test) DOT - Department of Transportation HMIS - Hazardous Material Identification System IARC - International Agency for Research on Cancer LEL - Lower Explosion Limit MSHA - Mine Safety and Health Administration N/A - Not Applicable N/D - Not Determined N/F – Not Found</p>	<p>NIOSH - National Institute for Occupational Safety and Health NTP - National Toxicology Program OSHA - Occupational Safety and Health Administration PEL - Permissible Exposure Limits RCRA - Resource Conservation and Recovery Act SARA - Superfund Amendment and Reauthorization Act TLV - Threshold Limit Value UEL - Upper Explosion Limit VOC - Volatile Organic Compound</p>
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