

Safety Data Sheet

"Mistic Mist II" Concentrate

SECTION 1. IDENTIFICATION

"Mistic Mist II" concentrate is a synthetic fluid, compounded especially for spray mist application of tapping, milling, drilling, sawing, grinding, turning, etc.

Manufacturer or supplier's details:

Company Address: Ekstrom Carlson Co.

5248 27th Ave., Rockford, IL 61109

PHONE: (815)394-1744

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Skin corrosion	:	Category 1A
Serious eye damage	:	Category 1
Specific target organ toxicity - repeated exposure (Oral)	:	Category 2 (Liver, Blood, Kidney)
	:	

GHS Label element

Hazard pictograms :



Signal word : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.
H373 May cause damage to organs (Liver, Blood, Kidney) through prolonged or repeated exposure if swallowed.

Precautionary statements

: **Prevention:**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P281 Use personal protective equipment as required.

Response:

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P304 + P340 + P310 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.

P305 + P351 + P338 + P310 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 CENTER or doctor/ physician.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P363 Wash contaminated clothing before reuse.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects Carcinogenicity:

ACGIH -

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA -

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP –

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

3. === Composition/Information on Ingredients ===

Ingredient	CAS No	Wt Percent
Triethanolamine	102-71-6	<12%

4. ===First Aid Measures ===

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion:

If swallowed, vomiting may occur spontaneously, but DO NOT INDUCE unless directed by poison control center or physician. If vomiting occurs, keep head below hips. Never give anything by mouth to an unconscious person. Call a physician immediately.

Skin Contact:

Immediately flush skin with plenty of soap and water while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention.

5. === Fire Fighting Measures ===

Fire:

Flash point: >212°F Closed Cup

Autoignition temperature: N/D

Hazard combustion products:

Thermal: Carbon oxides.

Fire Extinguishing Media:

Dry chemical, Carbon dioxide and water spray.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. === Accidental Release Measures === Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

7. === Handling and Storage ===

Form 500-21 Rev 08/10/15

Protect against physical damage. Store in a cool, dry well-ventilated location, away from any area where the fire hazard may be acute. Outside or detached storage is preferred. Separate from incompatibles. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

8. === Exposure Controls /Personal Protection ===

Airborne Exposure Limits:

-ACGIH Threshold Limit Value (TLV):

5 mg/m³ (TWA) (aerosol)

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Respirators (NIOSH Approved):

For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. WARNING: Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Butyl rubber is a suitable material for personal protective equipment.

Eye Protection:

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. === Physical/Chemical Properties ===

Appearance:

Clear amber liquid.

Odor:

mild

Solubility:

completely in water.

Specific Gravity:

1.03 @ 68°F

pH:

9.0-10.0.

% Volatiles by volume @ 68°F:

78-83

Boiling Point:

212°F

Melting Point: N/D

Vapor Density (Air=1):

~1

Vapor Pressure (mm Hg):

25 mm Hg @ 68°F

Evaporation Rate (BuAc=1):

<1

10. === Stability and Reactivity Data ===

Stability:

Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products:

Carbon dioxide and carbon monoxide may form when heated to decomposition.

Hazardous Polymerization: Will not occur.

Incompatibilities: Oxidizing materials.

Conditions to Avoid: Heat, flames, ignition sources and incompatibles.

11. === Toxicological Information ===

Toxicological Data:

Oral rat LD50: N/D; inhalation rat LC50: N/D

Acute Dermal Toxicity:

N/D.

12. === Ecological Information ===

Environmental Fate:

Readily biodegradable

Environmental Toxicity: N/D

13. === Disposal Considerations ==

Destroy by delivery to a RCRA approved incinerator. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. === Transport Information ===

Domestic (Land, D.O.T.)

Proper Shipping Name: Not regulated.

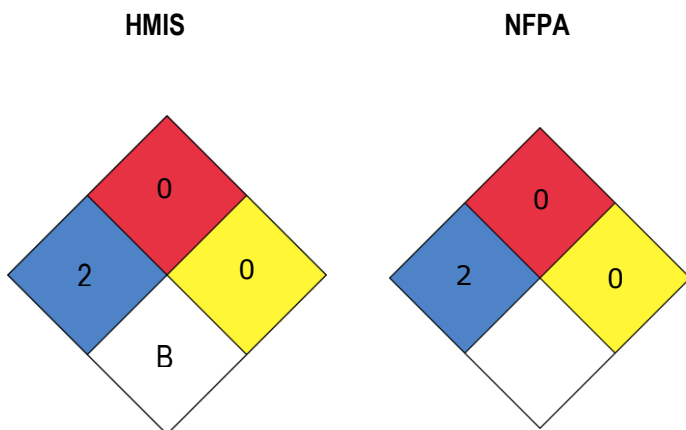
IMDG-Code: Not regulated

U.S. DOT – Not regulated

15. === Regulatory Information ===

SARA 304 Extremely Hazardous Substances Reportable Quantity - This material does not contain any components with a section 304 EHS RQ.

SARA 302 - No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.



16. === Other Information ===

EKSTROM CARLSON CO. MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS.

Safety Data Sheet

“Mistic Synthetic Lube”

SECTION 1. IDENTIFICATION

“Mistic Synthetic Lube” is a synthetic fluid designed to cover a wide spectrum of machining applications.

Manufacturer or supplier's details:

Company Address: Ekstrom Carlson Co.

5248 27th Ave., Rockford, IL 61109

PHONE: (815)394-1744

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Skin corrosion	:	Category 1A
Serious eye damage	:	Category 1
Specific target organ toxicity - repeated exposure (Oral)	:	Category 2 (Liver, Blood, Kidney)
	:	

GHS Label Element

Hazard pictograms :



Signal word : Danger :

Hazard statements : H314 Causes severe skin burns and eye damage.
H373 May cause damage to organs (Liver, Blood, Kidney) through prolonged or repeated exposure if swallowed.

Precautionary statements

: **Prevention:**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P281 Use personal protective equipment as required.

Response:

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P304 + P340 + P310 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.

P305 + P351 + P338 + P310 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 CENTER or doctor/ physician.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P363 Wash contaminated clothing before reuse.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects Carcinogenicity:

ACGIH -

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA -

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP –

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

3. === Composition/Information on Ingredients ===

Ingredient	CAS No	Wt Percent
Triethanolamine	102-71-6	<2%
Oleic Acid	112-80-1	<5%

4. ===First Aid Measures ===

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion:

If swallowed, vomiting may occur spontaneously, but DO NOT INDUCE unless directed by poison control center or physician. If vomiting occurs, keep head below hips. Never give anything by mouth to an unconscious person. Call a physician immediately.

Skin Contact:

Immediately flush skin with plenty of soap and water while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention.

5. === Fire Fighting Measures ===

Fire:

Flash point: >212°F Closed Cup

Autoignition temperature: N/D

Hazard combustion products:

Thermal: Carbon oxides.

Fire Extinguishing Media:

Dry chemical, Carbon dioxide and water spray.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. === Accidental Release Measures ===

Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

7. === Handling and Storage ===

Protect against physical damage. Store in a cool, dry well-ventilated location, away from any area where the fire hazard may be acute. Outside or detached storage is preferred. Separate from incompatibles. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

8. === Exposure Controls /Personal Protection ===

Airborne Exposure Limits:

-ACGIH Threshold Limit Value (TLV):

5 mg/m³ (TWA) (aerosol)

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Respirators (NIOSH Approved):

For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. WARNING: Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Butyl rubber is a suitable material for personal protective equipment.

Eye Protection:

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. === Physical/Chemical Properties ===

Appearance:

Clear amber liquid.

Odor:

mild

Solubility:

completely in water.

Specific Gravity:

1.01 @ 68°F

pH:

8.0-9.0.

% Volatiles by volume @ 68°F:

91-93

Boiling Point:

212°F

Melting Point:

N/D

Vapor Density (Air=1):

~1

Vapor Pressure (mm Hg):

25 mm Hg @ 68°F

Evaporation Rate (BuAc=1):

10. === Stability and Reactivity Data ===

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: Carbon dioxide and carbon monoxide may form when heated to decomposition.

Hazardous Polymerization: Will not occur.

Incompatibilities: Oxidizing materials.

Conditions to Avoid: Heat, flames, ignition sources and incompatibles.

11. === Toxicological Information ===

Toxicological Data: Oral rat LD50: N/D; inhalation rat LC50: N/D

Acute Dermal Toxicity: N/D.

12. === Ecological Information ===

Environmental Fate:

Readily biodegradable

Environmental Toxicity: N/D

13. === Disposal Considerations ==

Destroy by delivery to a RCRA approved incinerator. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. === Transport Information ===

Domestic (Land, D.O.T.)

Proper Shipping Name: Not regulated.

IMDG-Code: Not regulated

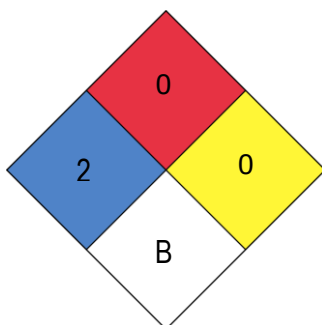
U.S. DOT : Not regulated

15. === Regulatory Information ===

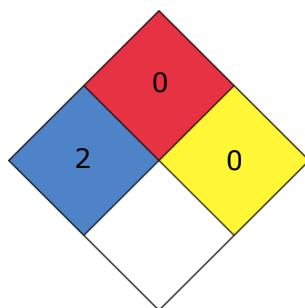
SARA 304 Extremely Hazardous Substances Reportable Quantity - This material does not contain any components with a section 304 EHS RQ.
Form 500-22 Rev 08/10/15

SARA 302 - No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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16. === Other Information ===

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Safety Data Sheet

“Mistic Lubra Heavy Duty”

SECTION 1. IDENTIFICATION

“Mistic Lubra Heavy Duty” is a synthetic fluid designed to cover a wide spectrum of machining applications.

Manufacturer or supplier's details:

Company Address: Ekstrom Carlson Co.

5248 27th Ave. Rockford, IL 61109

PHONE: (815)394-1744

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification

Skin corrosion	:Category 1A
Serious eye damage	:Category 1
Specific target organ toxicity - repeated exposure (Oral)	:Category 2 (Liver, Blood, Kidney)
	:

GHS Label element

Hazard pictograms :



Signal word : Danger

Hazard statements : H314 Causes severe skin burns and eye damage.
H373 May cause damage to organs (Liver, Blood, Kidney) through prolonged or repeated exposure if swallowed.

Precautionary statements

: **Prevention:**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

P264 Wash skin thoroughly after handling.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P281 Use personal protective equipment as required.

Response:

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P304 + P340 + P310 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/ physician.

P305 + P351 + P338 + P310 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 CENTER or doctor/ physician.

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

P363 Wash contaminated clothing before reuse.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

Potential Health Effects Carcinogenicity:

ACGIH -

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

OSHA -

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP –

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

3. === Composition/Information on Ingredients ===

Ingredient	CAS No	Wt Percent
Triethanolamine	102-71-6	<15%
Tetrasodium salt of ethylenediamine tetraacetic acid	64-02-8	<1%

4. ===First Aid Measures ===

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion:

If swallowed, vomiting may occur spontaneously, but DO NOT INDUCE unless directed by poison control center or physician. If vomiting occurs, keep head below hips. Never give anything by mouth to an unconscious person. Call a physician immediately.

Skin Contact:

Immediately flush skin with plenty of soap and water while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact:

Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get medical attention.

5. === Fire Fighting Measures ===

Fire:

Flash point: >212°F Closed Cup

Autoignition temperature: N/D

Hazard combustion products:

Thermal: Carbon oxides.

Fire Extinguishing Media:
Dry chemical, Carbon dioxide and water spray.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. === Accidental Release Measures ===

Ventilate area of leak or spill. Remove all sources of ignition. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Use non-sparking tools and equipment. Collect liquid in an appropriate container or absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! If a leak or spill has not ignited, use water spray to disperse the vapors, to protect personnel attempting to stop leak, and to flush spills away from exposures. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

7. === Handling and Storage ===

Protect against physical damage. Store in a cool, dry well-ventilated location, away from any area where the fire hazard may be acute. Outside or detached storage is preferred. Separate from incompatibles. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

8. === Exposure Controls /Personal Protection ===

Airborne Exposure Limits:

-ACGIH Threshold Limit Value (TLV):
5 mg/m³ (TWA) (aerosol)

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Personal Respirators (NIOSH Approved):

For emergencies or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator. WARNING: Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection:

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Butyl rubber is a suitable material for personal protective equipment.

Eye Protection:

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

9. === Physical/Chemical Properties ===

Appearance:

Clear green liquid.

Odor:

mild

Solubility:

completely in water.

Specific Gravity:

1.03 @ 68°F

pH:

% Volatiles by volume @ 68°F:

76-79

Boiling Point:

212°F

Melting Point:

N/D

Vapor Density (Air=1):

~1

Vapor Pressure (mm Hg):

25 mm Hg @ 68°F

Evaporation Rate (BuAc=1):

<1

10. === Stability and Reactivity Data ===

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: Carbon dioxide and carbon monoxide may form when heated to decomposition.

Hazardous Polymerization: Will not occur.

Incompatibilities: Oxidizing materials.

Conditions to Avoid: Heat, flames, ignition sources and incompatibles.

11. === Toxicological Information ===

Toxicological Data: Oral rat LD50: N/D; inhalation rat LC50: N/D

Acute Dermal Toxicity: N/D.

12. === Ecological Information ===

Environmental Fate:

Readily biodegradable

Environmental Toxicity: N/D

13. === Disposal Considerations ==

Destroy by delivery to a RCRA approved incinerator. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. === Transport Information ===

Domestic (Land, D.O.T.)

Proper Shipping Name: Not regulated.

IMDG-Code: Not regulated

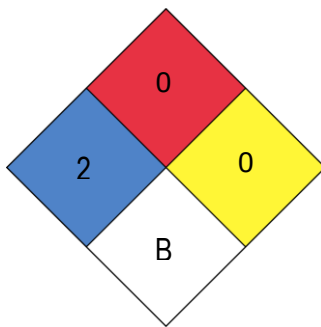
U.S. DOT : Not regulated

15. === Regulatory Information ===

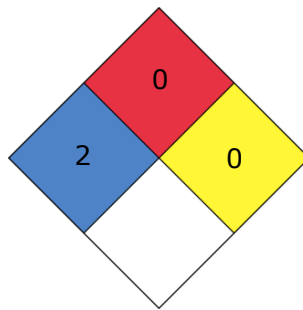
SARA 304 Extremely Hazardous Substances Reportable Quantity - This material does not contain any components with a section 304 EHS RQ.

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HMIS



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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	

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

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, CO ₂ , POx
<u>Hazardous Reactions:</u>	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 <input checked="" type="checkbox"/>	Chronic <input type="checkbox"/>
313 Reportable Ingredients:	Reactivity <input type="checkbox"/>	Fire <input type="checkbox"/>

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.

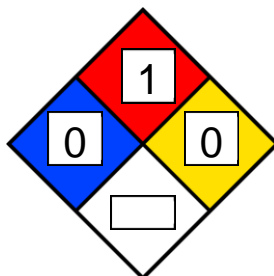
0=Minimal	1=Slight	2=Moderate	3=Serious	4=Severe
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HMIS Hazard Ratings:

Health	0
Flammability	1
Physical Hazard	0
Personal Protective Equipment:	B

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.

Gloves and eye protection



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	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
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