



# Safety Data Sheet

Revision Date: 14-Apr-2021

Revision Number: 2

## 1. Identification

**Product Name:**

Decanox® MTS - 70

**Synonyms:**

Tocopherols

**Product Code:**

400002

**Use of the Substance / Preparation:**

Preservative / Nutrient

**Supplier/Distributor:**

Silver Fern Chemical, Inc.  
2226 Queen Anne Ave N  
Seattle, WA 98109  
Customer Svc: 866-282-3384  
info@silverfernchemical.com

**24 hour Emergency Phone #**

Infotrac: 800-535-5053  
Outside USA & Canada: 352-323-3500

## 2. Hazard(s) identification

### Emergency Overview

Spontaneous combustion (fire) may result from oil soaked materials such as rags, steel wool, paper, and clothing. Place soaked materials in a sealed, metal container to prevent this. The product contains no substances which at their given concentration, are considered to be hazardous to health.

**Appearance**  
Light brown to Red

**Physical State**  
Viscous liquid

**Odor**  
Slight Vegetable oil

**This product is NOT classified as hazardous according to the criteria contained in the Hazard Communication Standard 29 CFR 1910.1200 (known as HCS 2012) or the Hazardous Products Regulations SOR/2015-17 (known as WHMIS 2015). However, vegetable oil (in mist form) is known to be listed as an OSHA 29 CFR 1910.1000 Air Contaminant. Occupational exposure limits are subsequently provided in section 8 of this SDS.**

## 3. Composition/information on ingredients

The following component(s) in this product are considered hazardous under applicable OSHA (USA) and/or WHMIS (Canada) or require disclosure as an air contaminant

Chemical Name	CAS-No	Weight %	North American Substance Hazard Class
Soybean oil	8001-22-7	20-50	See section 8 for OELs.

### Non-hazardous Components

Chemical Name	CAS-No	Weight %	North American Substance Hazard Class
Mixed Tocopherols	1406-66-2	50-80	None known

Components which are not considered "health hazards" under paragraph (d) of 29 CFR §1910.1200 or SOR/2015-17 (WHMIS 2015) are not required to disclose the exact percentage of inclusion.

## 4. First-aid measures

### Description of first aid measures

**Eye Contact** Rinse thoroughly with plenty of water, also under the eyelids.

**Skin Contact** Wash off with warm water and soap.

**Inhalation** Move to fresh air.

**Ingestion** Health injuries are not known or expected under normal use.

**General Advice** No hazards which require special first aid measures. When symptoms persist or in all cases of doubt seek medical advice.

### Most important symptoms and affects, both acute and delayed

**Eyes** Not expected to pose health issues for the eye.

**Skin** Prolonged or excessive contact with skin may result in mild irritation, however, significant health injuries are not expected under normal use.

**Inhalation** Health injuries are not known or expected under normal use. When in the form of an airborne mist, refer to section 8 of this sheet for exposure limits pertaining to "vegetable oil mist". Excessive inhalation of mist may result in respiratory irritation.

**Ingestion** Health injuries are not known or expected under normal use. Over exposure may cause: Gastrointestinal disturbance.

### Indication of any immediate medical attention and special treatment needed

**Notes to Physician** Treat symptomatically.

## 5. Fire-fighting measures

### **Flammable Properties**

Material may pose fire hazard because it is dispersed (or spread) by water.

### Extinguishing media

**Suitable Extinguishing Media** Dry chemical. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>). Foam. Sand. Fog. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Do not use a solid water stream as it may scatter and spread fire.

### Special hazards arising from the substance or mixture

**Hazardous Combustion Products** Thermal decomposition produces Acrolein, Carbon monoxide (CO), Carbon dioxide (CO<sub>2</sub>), Smoke, Fumes.

**Specific Hazards Arising from the Chemical** Risk of ignition. Rags and other materials containing this product may heat and spontaneously ignite, if exposed to air. Store wiping rags and similar materials in metal cans with tightly fitting lids. Cool closed containers exposed to fire with water spray.

**Sensitivity to mechanical impact** No.

**Sensitivity to static discharge** No.

### Advice for fire-fighters

**Protective Equipment and Precautions for Firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

### **NFPA**

**Health** 0  
**Flammability** 1

**Stability and Reactivity** 0  
**Physical hazard** None known



## 6. Accidental release measures

### Personal Precautions, Protective Equipment, and Emergency Procedures

Avoid high pressure washing or generation of aerosols. Material can create slippery conditions.

### Environmental Precautions

Prevent further leakage or spillage if safe to do so.

### Methods and Materials for Containment and Cleaning Up

Dam up. Soak up with inert absorbent material. Use dry spill kit material or sand, collect in appropriate containers. For disposal information see section 13. Clean contaminated surface thoroughly.

### Other Information

Oil soaked materials may spontaneously combust.

## 7. Handling and storage

### Handling

Ensure adequate ventilation. Do not use pressure to empty drums. Keep away from open flames, hot surfaces and sources of ignition.

### Storage

Keep in a cool sheltered place. To maintain product quality, do not store in heat or direct sunlight. Keep at temperatures between 39-90° F / 4-32°C .

## 8. Exposure controls/Personal protection

### Exposure Limits

When in the form of an airborne mist containing vegetable oil, observe the OSHA and ACGIH established limits for "vegetable oil mist". OSHA PEL: [15 mg/m<sup>3</sup> (mist) 8-hr TWA], [5 mg/m<sup>3</sup> mist (respirable) 8-hr TWA]. ACGIH TLV: [10 mg/m<sup>3</sup> (mist) 8-hr TWA].

### Biological Limit Values

No biological limit values have been listed for the component(s) of this product.

### Appropriate Engineering Controls

Ensure adequate ventilation, especially in confined areas. Apply technical measures to comply with the occupational exposure limits.

### General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

### Personal Protective Equipment

#### Eye/face Protection.

If exposed to airborne mist, or if splashing is possible, appropriate safety glasses with side-shields or safety goggles are recommended.

#### Skin and Body Protection

Oil resistant gloves are recommended. Appropriate body protection should be selected based on activity and possible exposure. Also take into consideration the specific local conditions under which the product is used.

#### Respiratory Protection

In case of mist, spray or aerosol exposure wear suitable personal respiratory protection.



## 9. Physical and chemical properties

<b>Appearance</b>	Light brown to Red
<b>Physical State</b>	Viscous liquid
<b>Odor</b>	Slight Vegetable oil
<b>Odor Threshold</b>	Not applicable
<b>pH</b>	Not applicable
<b>Flash Point</b>	> 200 °C / > 392 °F
<b>Autoignition Temperature</b>	Not auto-flammable
<b>Boiling point</b>	> 200 °C / > 392 °F
<b>Melting/Freezing Point</b>	No information available
<b>Decomposition temperature</b>	No information available

**Oxidizing Properties** No information available  
**Flammability Limits in Air** No information available  
**Explosion Limits** No information available

**Molecular Weight** No data available  
**Water Solubility** Insoluble  
**Solubility(ies)** Soluble in many organic solvents  
**Surface Tension** No information available.  
**Evaporation Rate** Not applicable  
**Vapor Pressure** Not applicable  
**Vapor Density** Not applicable  
**Specific Gravity / Relative Density** 0.93 @ 25°C  
**Relative Density** No information available  
**Partition Coefficient (n-octanol/water)** No information available

## 10. Stability and reactivity

**Stability** Stable under normal conditions.

**Possibility of Hazardous Reactions** None under normal processing.

**Conditions to Avoid** Keep away from open flames, hot surfaces and sources of ignition.

**Incompatible Materials** No materials to be especially mentioned.

**Hazardous Decomposition Products** Thermal decomposition leads to formation of Acrolein. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Smoke. Fumes.

## 11. Toxicological information

### Information on toxicological effects

<b>Acute toxicity</b>	Based on available data, no evidence of acute toxicity.
<b>Skin corrosion/irritation</b>	Based on available data, not, or only slightly irritating.
<b>Serious eye damage/eye irritation</b>	Based on available data, no evidence of serious eye damage / irritation.
<b>Respiratory or skin sensitisation</b>	Based on available data, not expected to be a skin or respiratory sensitiser.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Carcinogenicity</b>	Based on available data, no evidence of carcinogenicity.
<b>Reproductive toxicity</b>	Based on available data, no evidence of reproductive toxicity.
<b>STOT - single exposure</b>	Based on available data, the classification criteria are not met.
<b>STOT - repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Aspiration hazard</b>	Based on available data, no known aspiration hazard.

### Potential health effects

**Eyes** Not expected to pose health issues for the eye.  
**Skin** Prolonged or excessive contact with skin may result in mild irritation, however, significant health injuries are not expected under normal use.  
**Inhalation** Health injuries are not known or expected under normal use. When in the form of an airborne mist, refer to section 8 of this sheet for exposure limits pertaining to "vegetable oil mist". Excessive inhalation of mist may result in respiratory irritation.  
**Ingestion** Health injuries are not known or expected under normal use. Over exposure may cause: Gastrointestinal disturbance.

## 12. Ecological information

### Ecotoxicity

Not classified for aquatic toxicity.

### **Persistence/Degradability**

Biodegradable.

### **Mobility**

The product is insoluble and floats on water.

### **PBT and vPvB assessment**

No information available.

### **Other adverse effects**

Nothing specific known.

## 13. Disposal considerations

Whenever possible, as rules and regulations allow, please recycle or manage materials to minimize waste.

### **Waste Disposal Methods**

Dispose of in compliance with the laws and regulations pertaining to this product in your jurisdiction. Oil soaked materials may spontaneously combust and should be properly managed to avoid ignition and heat sources or oxygen rich environments. Collect and store soaked materials in closed, metal containers to help prevent combustion.

### **Contaminated Packaging**

Empty containers should be decontaminated and taken for local recycling, recovery or waste disposal.

## 14. Transport information

### Domestic transport regulations (USA)

DOT Not regulated

### Domestic transport regulations (Canada)

TDG Not regulated

### Domestic transport regulations (Mexico)

MEX Not regulated

### International transport regulations

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

## 15. Regulatory information

### International Inventories

The components of this product are reported in the following inventories:

Chemical Name	TSCA	DSL	NDSL	ICL	EINECS	ELINCS	AICS
Mixed Tocopherols	Yes 119-13-1 54-28-4 59-02-9 148-03-8	Yes 119-13-1 54-28-4 59-02-9 148-03-8	No	Yes	Yes 604-195-9	No	No
Soybean oil	Yes ACTIVE	Yes	No	Yes	Yes 232-274-4	No	Yes

Chemical Name	ENCS ISHL	CHINA	PICCS	KECL	Taiwan	Turkey	NZIoC
Mixed Tocopherols	Yes (9)-864	No	Yes	Yes KE-10632 KE-10771 KE-10750 KE-10768	Yes	No	Yes

Soybean oil	Exempt (substance occurring in nature)	Yes	Yes	Yes KE-31718	Yes	Yes 232-274-4	Yes
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## USA

### Federal Regulations

#### Ozone Depleting Substances:

No Class I or Class II material is known to be used in the manufacture of, or contained in, this product.

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not known to contain any chemicals which are subject to the reporting requirements of the Act or regulations contained in 40 CFR 372.

#### CERCLA/SARA 103-302

Sections 103-302 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product is not known to contain any chemicals which are subject to the reporting requirements of the Act or regulations contained in 40 CFR 103-302.

#### SARA 311/312 Hazardous Categorization

Refer to the OSHA hazard classification(s) provided in section 2 of this SDS.

### State Regulations

#### California Proposition 65

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would require a warning under the statute.

#### State Right-to-Know

Component Information.

Chemical Name	Weight %	Massachusetts	Minnesota	New Jersey	Pennsylvania
Mixed Tocopherols	50-80	No	No	No	No
Soybean oil	20-50	No	No	No	Yes

## Canada

#### (NPRI) Canadian National Pollutant Release Inventory

No known component is listed on NPRI.

## 16. Other information

**Prepared By:** ADM - Product Regulatory Affairs  
**Revision Date:** 14-Apr-2021  
**Revision Number:** 2  
**Reason for revision:** Periodic review. This version replaces all previous versions.

#### Abbreviations and acronyms

A1 - Known Human Carcinogen  
 A2 - Suspected Human Carcinogen  
 A3 - Animal Carcinogen  
 ACGIH TLV - American Conference of Governmental Industrial Hygienists Threshold Limit Values  
 CAS - Chemical Abstract Service  
 Ceiling - Ceiling Limit Value: Concentrations that should never be exceeded at any given time (instantaneous)  
 Delisted - Substances Delisted from Report on Carcinogens  
 DNEL - Derived No Effect Level  
 DOT - U.S. Department of Transportation

GHS - Globally Harmonized System of Classification and Labelling of Chemicals  
Group 1 - Carcinogenic to Humans  
Group 2A - Probably Carcinogenic to Humans  
Group 2B - Possibly Carcinogenic to Humans  
IARC - International Agency for Research on Cancer  
IDLH - Immediately Dangerous to Life or Health  
Known - Known Carcinogen  
LC50 - Lethal concentration that produces fatalities in 50% of a given test population  
LD50 - Median lethal dose of a given test population  
NFPA - National Fire Protection Association  
NIOSH - National Institute of Occupational Safety and Health  
NOAEL - No Observed Adverse Effect Level  
NTP - National Toxicology Program  
OECD - Organisation for Economic Co-operation and Development  
OSHA - Occupational Safety & Health Administration  
OSHA PEL - Occupational Safety and Health Administration Permissible Exposure Limits  
PNEC - Predicted No-Effect Concentration  
Present - Carcinogen or potential carcinogen to be identified under OSHA's Hazard Communication Standard  
Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen  
Skin notation - Potential for cutaneous absorption  
STEL - Short Term Exposure Limit: Concentrations that should not be exceeded except for short periods of time ( usually 15-minutes)  
STOT - Specific Target Organ Toxicity  
STV - Short Term Value (same as STEL)  
TSCA - Toxic Substances Control Act, Section 8(b) Inventory (USA)  
TWA - Time Weighted Average: Average concentration that should not be exceeded during a work day (usually 8-hours)  
Under Consideration - Under Consideration by the National Toxicology Program

#### **DISCLAIMER OF RESPONSIBILITY**

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