

COLUMBUS VEGETABLE OILS MATERIAL SAFETY DATA SHEET

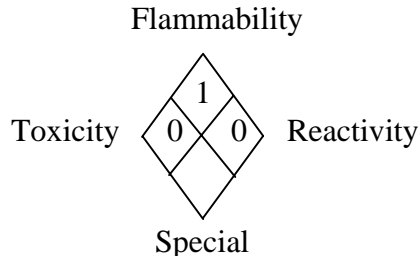
MINERAL OIL

PRODUCT CODE: 900, 901, 902, 904, 905, 907

CAS NO: 8042-47-5

NFPA HAZARD RATING

- 4 - Extreme
- 3 - High
- 2 - Moderate
- 1 - Slight
- 0 - Insignificant



HMIS HAZARD INDEX (Hazardous Materials Identification System)

- 4 - Severe
- 3 - Serious
- 2 - Moderate
- 1 - Slight
- 0 - Minimal

HMIS RATINGS

Health	<u>0</u>
Flammability	<u>1</u>
Reactivity	<u>0</u>
Personal Protection	<u> </u>

SECTION I - DIVISION AND LOCATION

Division: Columbus Vegetable Oils
Location: 30 E. Oakton St., Des Plaines, IL 60018

Emergency Telephone Number: 773-265-6500

SECTION II - CHEMICAL AND PHYSICAL PROPERTIES

<u>Chemical Name</u>	PETROLEUM HYDROCARBONS
<u>Formula</u>	MINERAL OIL
<u>Hazardous Decomposition Products</u>	Carbon monoxide and other harmful substances
<u>Incompatibility (Keep Away From)</u>	Strong oxidizing agents
<u>Toxic and Hazardous Ingredients</u>	None
<u>Form</u>	Liquid
<u>Appearance</u>	Watery White
<u>Specific Gravity (water = 1 at 39.2°F)</u>	Approximately 0.86
<u>Boiling Point</u>	Greater than 600°F
<u>Melting Point</u>	Not Applicable
<u>Solubility in Water (by weight %)</u>	Negligible
<u>Volatile (by weight %)</u>	Negligible
<u>Evaporation Rate</u>	Negligible
<u>Vapor Pressure (MM HG at 70°F)</u>	Less Than 0.1
<u>Vapor Density (air = 1 at 60° - 90°F)</u>	Greater Than 10
<u>pH</u>	Approximately 7
<u>Stability</u>	Stable
<u>Viscosity SUS at 100°F</u>	Varies with product

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SECTION III - FIRE AND EXPLOSION DATA

Fire and Explosion Hazards

Slightly combustible, OSHA/NFPA Class-IIIB combustible liquid. When heated above its flash point, this material release flammable vapors which can burn in the open or be explosive in confined spaces if exposed to an ignition source. Mists or sprays may be flammable at temperatures below the normal flash point. Keep away from extreme heat and open flame.

Special Fire Fighting Procedures

For fires involving this material, do not enter any enclosed of confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects of combustion products and oxygen deficiencies. If firefighters cannot work upwind to the fire, respiratory protective equipment must be worn. Cool tanks and containers exposed to fire with water. Burning liquid will float on water. Notify appropriate authorities if liquid enters sewer/waterways.

Unusual Fire and Explosion Hazards

None expected with the exception in above conditions

Flash point (Method Used)

(D - 92) approximately 410°F

Flammable Limits %

Not data available

Extinguishing Agents

Dry chemical or CO₂ of Foam or Sand/Earth. Closed containers exposed to fire may be cooled with water

SECTION IV - HEALTH HAZARD DATA

Summary of Acute Hazards

Not expected to present significant health hazard upon short-term exposure.

Permissible Concentrations (air)

If used in applications where a mist may be generated, observe a TWA/PEL of 5 mg/m³ for oil mist (OSHA and ACGIH)

Chronic Effects of Overexposure

This material does not contain any chemical listed as a carcinogen or potential carcinogen by OSHA

Acute Toxicological Properties

No data available

Emergency First Aid Procedures

Eyes

No irritation is expected from short-term exposure

Skin Contact

No significant adverse health effects are expected and no irritation to occur upon short-term exposure.

Inhalation

No significant adverse health effects are expected to occur upon short - term exposure.

If Swallowed

Ingestion will produce a cathartic (Laxative) effect and may be irritating to the digestive tract. Aspiration into lungs will cause lipid pneumonia.

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SECTION V - SPECIAL PROTECTION INFORMATION

Ventilation Type Required
(Local, Mechanical, Special)
Respiratory Protection (Specify Type)

Use adequate ventilation to keep oil mists of this material below applicable standards
None is needed under anticipated use conditions with adequate ventilation. If exposure exceeds the occupational exposure limits. Follow OSHA standards or equivalent and wear proper NIOSH/MSHA-approved respiratory equipment.
Use as needed.

Protective Gloves
Eye Protection

Safety glasses should be adequate protection under most conditions of use. Wear goggles and/or face shield if splashing or spraying is likely. Especially if heated above 125°F. Have suitable eye wash water available.

Other Hygienic and Work Practices

Wash hands with plenty of soap and water before eating, drinking, smoking, or use of Toilet facilities. Do not use gasoline, solvents kerosene, or harsh abrasive skin cleaners for washing exposed skin areas. Take a shower after work if general contact occurs. Remove oil - soaked clothing and launder before reuse.

SECTION VI - OCCUPATIONAL EXPOSURE LIMITS

<u>SUBSTANCE</u>	<u>SOURCE</u>	<u>DATE</u>	<u>TYPE</u>	<u>VALUE/UNITS</u>	<u>TIME</u>
OIL MIST, MINERAL	OSHA	1989	PEL	5 Mg/M ³	8 hours
	ACGIH	1991	TLV	5 Mg/M ³	8 hours
			STEL	10 Mg/M ³	15 hours

SECTION VII - EMERGENCY AND FIRST AID

Inhalation

Vaporization is not expected at ambient temperatures, but should inhalation occurs, immediately remove personnel from contaminated area to fresh air. Obtain medical attention if there are signs of breathing difficulties.

Eye Contact

Flush eyes with clean, low-pressure water for at least 15 minutes. Occasionally lifting the eyelids. If pain or redness persists after flushing, obtain medical attention.

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Skin Contact

Remove by wiping off; then wash skin thoroughly with plenty of soap and water. Remove contaminated clothing and thoroughly clean before reuse. Discard contaminated leather gloves and shoes.

Ingestion

No significant signs or symptoms indicative of any adverse health effects are expected; but do not induce vomiting, since aspiration into the lungs may cause lipoid pneumonia.

SECTION VIII - SPILL AND DISPOSAL

Precautions if Material is Spilled or Released

Contain spill and prevent from entering sewers and other water bodies, if possible. Safely stop flow of spill. Spill may create slipping hazards. Evacuate all non-essential personnel from the spill area. In urban areas, cleanup as soon as possible; in natural environments, cleanup on advice from ecologists. This material will float on water. Absorbent materials and pads can be used. Comply with all applicable laws. Spills may need to be reported to the national response center (800/424-8802). This material has low probability of toxic impacts. Only limited and localized damage would be expected.

Waste Disposal

Maximize product recovery for reuse or recycling. Conditions of use may cause this material to become a "Hazardous Waste", as defined by state or federal laws. Use approved treatment, transporters, and disposal sites in compliance with all applicable laws. If spill is introduced into a wastewater treatment system, chemical and biological oxygen demand will likely increase. Spill material is biodegradable if gradually exposed to microorganisms. Potential treatment and disposal methods include land farming, incineration, and land disposal, if permitted. Do not keep soiled rags or other absorbent type materials under high temperature and or closed conditions in the presence of oxygen.

Other Precautions

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SECTION IX - ADDITIONAL PRECAUTIONS

Handling, Storage and Decontamination Procedures

General Comments

Keep containers closed. Store and handle so as to prevent contamination from any source, especially when this material will be used in applications covered by Food and Drug Administration Regulations 21 CFR 172.878© and 178.3620 (A). Recommended Storage temperature 65° F to 85° F. This material is a "Petroleum Distillate", as defined by 16 CFR 1500.14 (B) and 1500.83 (A) (13), which requires special labeling pursuant to the Federal Hazardous Substances act and related statutes and regulations. It is distributed in a manner intended, or packaged in a form suitable, for use in the general household and can be used by children.

This product is manufactured to meet U.S. Pharmacopoeia/National Formulary requirements for "Mineral Oil" and Food & Drug Administration requirements for "White Mineral Oil" as defined by 21 CFR 172.878 (A). It is suitable for use in or on food in accordance with 21 CFR 172.878 ©. This product is listed with the FDA in compliance with the drug listing act of 1972. It contains about 10 ppm. DL-Alpha-Tocopherol (Vitamin E) as a stabilizer. Some of the information presented and conclusions drawn herein are from sources other than direct test data on the mixture itself.

<u>Name</u>	Rick Cummisford
<u>Title</u>	Quality Director
<u>Date</u>	May 26, 2009

<p>The statements, technical information, and recommendations contained herein are reliable, but are given without warranty or guarantee of any kind, expressed or implied, and Columbus Vegetable Oils assumes no responsibility for any loss, damage or expense, direct or consequential, arising out of their use.</p>
