



MATERIAL SAFETY DATA SHEET

HMIS Ratings	
Health	0
Flammability	1
Reactivity	0
Protection	X

Company Identification

Manufacturer Information Blue Ribbon Products, Inc.
7687 Winton Drive, Bldg. 130
Indianapolis, IN 46268

Phone (317) 972-7970 * (888) 274-2266

Emergency Phone CHEMTREC
1-800-424-9300
FOR INTERNATIONAL CALLS
(703) 527-3887

Product Identification

Product Name: 100% Ultra Pure Mink Oil
Chemical Name: Mink Oil
Chemical Family: Fats, Triglycerides
Formula: Mixture of variable composition of triglycerides and their components

Component Information

		<u>% Composition</u>	<u>CAS No.</u>
Non-Hazardous	Mink Oil	100%	[61789-97-7]
Hazardous	None Known		

Emergency Response Information

First Aid Procedures

Inhalation Move affected subject to fresh air and consult a physician if irritation persists.

Ingestion Not anticipated to be toxic – may have a laxative effect – consult physician.

Skin When molten or heated, will cause oil-type burns. Treat as such. Wash affected skin areas with soap and water.

Eyes Flush eyes with water and consult physician.

Fire Fighting Information

Hazards Combustion generates toxic fumes containing carbon oxides.

Extinguishing Agents Use no water. Treat as an oil fire. Use carbon dioxide, foamite, sand or sodium bicarbonate.

Protective Equipment Firefighters should wear self-contained breathing apparatus and protective gear to prevent contact with skin and eyes.

Spill or Leak Handling Information

Personal Protection	Respiratory protection is needed only at elevated temperatures – use an OSHA or NIOSH approved respirator. Skin protection not required ambient. Wear insulated, chemically resistant gloves, boots and apron when product is heated. Eye protection requires the use of safety glasses or face shield at ambient. Goggles or face mask required at elevated temperatures.
Procedure	Spill areas may be slick or slippery. Use care to avoid falls or other accidents. Contain spills immediately with inert materials (e.g. sand, earth, etc.). Material can be recovered from the ground by pump, shovel and/or absorption. Check local state and federal regulations as to disposal. Keep spills and cleaning runoff out of open bodies of water and sewers. Material is biodegradable, producing a high B.O.D. when emulsified in water.

Hazard Information

Health Effects From Overexposure

Route of Exposure	Effects
Skin Contact	Ambient – Slight skin irritation may occur. Elevated Temperature – Oil-type burns may occur.
Eye Contact	Ambient – Slight eye irritation may occur. Elevated Temperature – Vapor may cause irritation. Oil type burns may occur.
Inhalation	Ambient – None anticipated. Elevated Temperature – May produce various carbon oxides which cause irritation to the respiratory tract.
Ingestion	Not expected to be acutely toxic – May have a laxative effect.

Fire and Explosive Properties

Flash Point (C.O.C.)	316 C / 600 F
Lower Explosive Limit	Not Applicable
Upper Explosive Limit	Not Applicable
Auto-Ignition Temperature	Not Available

Reactivity Information

Instability	This material is considered to be stable at ambient. However, as the temperature elevates, normal fat oxidation will accelerate. Contact with metals causes slow corrosion and discoloration.
Incompatibilities	Strong oxidizing materials and contact with elements 24 through 30.
Hazardous Decomposition Products	Overheating may produce carbon oxides (to include acrolein). As with any organic material, combustion will produce carbon dioxide.
Hazardous Polymerization	Will not occur.

Accident Prevention Information

Exposure Limit None known for mink oil.

Personal Protection Measures

Respiratory Needed only at elevated temperatures or under conditions of misting. Use an OSHA or NIOSH approved respirator. Local exhaust not needed at ambient temperature. General mechanical ventilation is recommended.

Eye Protection Safety glasses or face shield may be desired with use of product at ambient temperature to prevent splash accidents. However, general use has not indicated eye irritation with use of product at ambient.

Hand Protection Gloves are generally not required at ambient temperature unless individual displays signs of irritation from exposure. At temperatures above ambient, normal oil-resistant thermal protection is recommended.

Other Protection None at ambient – normal oil-resistant thermal protection when heated.

Facility Control Measures

Ventilation With use of product at ambient temperature, none required other than general purpose ventilation. Local exhaust recommend at elevated temperature or in the presence of mist or fumes.

Other Protective Equipment None anticipated.

Storage and Handling Information

Storage Conditions Maintain temperature at a maximum 50 C for storage. Avoid storage and transfer facilities constructed of copper, copper alloys and elements 24 through 30.

Supplemental Information

Typical Physical Properties

Appearance and Odor White to yellow liquid; fatty odor at 25 C

Viscosity @100 F 190-210 sus

Specific Gravity (water=1) @ 25 C .905 - .915

Vapor Density (air=1) >1

Vapor Pressure @ 264 C < 10 mm/Hg

Melting Point Max 18 F pour point, ASTM D97

Boiling Point Not applicable

Solubility in Water <.01% up to 60 C

Percent Volatile Negligible, not volatile ambient

Evaporation Rate (Bac=1) < 1, not volatile ambient

Reactivity in Water Non-reactive at ambient

Toxicity Information

Acute As received, material is not known to be acutely toxic. However, when overheated, 100% Ultra Pure Mink Oil will produce acrolein and other carbon oxides which may cause temporary burning of the eyes and respiratory discomfort.

Chronic As received, material is not known to have chronic toxic effects.

Medical Conditions Generally Aggravated by Exposure None known

Chemical Listed as a Carcinogen National Toxicology Program – No; IARC Monographs – No; OSHA – No

OSHA Permissible Exposure Limit None Known
ACGIH Threshold Limit Value None Known
Other Exposure Limit None Known

Waste Disposal

Material is completely biodegradable. As received, it may be incinerated or buried as non-hazardous waste. Any use of product may alter or contaminate, thus changing waste hazard class. Check local, state and federal regulations as to disposal.

Regulatory Information

Workplace Classification

No hazard classifications known. See toxicity information above.

Transportation Classification

U.S. D.O.T. Hazard Class Non-regulated.

Emergency Planning & Community Right-To-Know (Sara Title III)

Section 311/312 Information (40CFR 370) This product is not a hazardous chemical under 29 CFR 1910.1200 and, therefore is not covered by Title III of SARA.

Section 313 Information (40CFR 372) This product does not contain a chemical which is listed in Section 313 above de minimis concentrations.

CERCLA Information (40CFR 302.4)

Releases of this material to air or land are not reportable to the National Response Center under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) or to state and local emergency planning committees under the Superfund Amendments and Reauthorization Act (SARA) Title III Section 304. Releases to water may be reportable as an oil spill and should be reported to the appropriate agencies.

RCRA Information

As received, this product is classified as a non-hazardous waste under criteria of the Resource Conservation and Recovery Act (40CFR 261).

Chemical Control Law Status

All components of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

Other Information

Disclaimer

The information contained within relates to the specific material designated and may not be valid for such material when used with other materials or in any process. This information was gathered from sources which are believed to be accurate as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to determine for himself the suitability for his own use.

Prepared By Technical Department

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