

**WORLDWIDE FILTER, INC.**  
**1689 Abram Court**  
**San Leandro, CA 94577**

**MATERIAL SAFETY DATA SHEET**  
**Mousemilk Penetrating Oil**  
Emergency Telephone Numbers  
Information: (510) 483-5122  
Medical: (800) 457-4280

Date prepared or revised: 2-13-2009

## SECTION 1 – PRODUCT IDENTIFICATION

TRADE NAME: MouseMilk Penetrating Oil  
DESCRIPTION: Aromatic Hydrocarbon. Colorless liquid with sweet, pungent odor.

NFPA 704M RATING: 2 HEALTH, 3 FLAMMABILITY, 0 REACTIVITY, 0 SPECIAL HAZARDS  
0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

WHMIS:  
Class B3 – Combustible Liquid: Flashpoint of 37.8°C to 93.3°C  
Class D2B – Skin Sensitization and Skin/Eye Irritation.

## SECTION 2 – HAZARDOUS INGREDIENTS

Our hazard evaluation has identified the following chemical ingredient(s) as hazardous under OSHA Hazard Communication Rule, 29 CFR 1910.1200. Consult Section 14 for the nature of the hazard(s).

INGREDIENTS	CAS #	APPROXIMATE %
Toluene	108-88-3	<60
Hydro treated petroleum distillate	64742-53-6	>35
Isopropyl 99	67-63-0	1-10
Methyl Isobutyl Ketone	108-10-1	1-10

## SECTION 3 – PRECAUTIONARY LABEL INFORMATION

Danger: Flammable. Harmful or fatal if swallowed. Do not use, store, spill, or pour near heat, sparks, or open flame. Can cause irritation to eyes and skin. Vapors can travel long distances. Dispense in cool engine only. Keep container closed when not in use. Use in open, well ventilated areas. Avoid prolonged or repeated breathing of vapors. Do not get in eyes or on skin/clothing. Do not take internally. If ingested, seek medical help immediately for instructions. Dispose of product/container properly. Do not reuse container.

Risk Phrases: R11, R38, R48/20

Safety Phrases: S2, S36/37, S62

## SECTION 4 – FIRST AID INFORMATION

EYES: Flush eyes with water for 15 minutes while holding eyelids open. Call physician.

SKIN: Remove contaminated clothing. Wash skin with soap and water. If irritation and redness continues, call physician.

INHALATION: If symptoms of exposure develop (see Section 5), move victim to fresh air. If symptoms continue, call physician immediately. If not breathing artificial respiration and or oxygen should be administered by qualified personnel.

INGESTION: Call physician immediately! Induce vomiting at the instruction of physician only. If unconscious, do not give anything by mouth.

PHYSICIAN: No specific antidote is known for this product. Based on the individual Reactions of the

patient, the physician's judgment should be used to control symptoms and clinical condition.

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## SECTION 5 – HEALTH EFFECTS INFORMATION

PRIMARY ROUTES OF EXPOSURE: Eye, Skin, Inhalation, Ingestion

EYE CONTACT: Can cause severe irritation or injury.  
SKIN CONTACT: Can cause moderate irritation. Prolonged exposure may cause redness and burning, drying and cracking of the skin and dermatitis.  
INHALATION: Inhalation or prolonged or excessive concentrations of vapors and mists may cause: irritation of nose and throat, headache, nausea, distorted perception, respiratory irritation, unconsciousness, damage to liver and lungs and decreased blood rate.  
INGESTION: Can be harmful or fatal if swallowed. Ingestion may cause coma, unconsciousness, drowsiness, dizziness, loss of coordination and fatigue.  
CARCINOGEN: This product is not listed as a carcinogen by NTP, IARC, or OSHA. However toluene has been found to cause cancer.  
PRE-EXISTING: Medical conditions aggravated by exposure consist of : skin disorders, respiratory, liver and kidney conditions, and lung/asthma-like conditions.

## SECTION 6 – TOXICOLOGY INFORMATION

TOXICITY STUDIES: Toxicity studies have not been conducted on this product but toxicity studies of the ingredient(s) in Section 2 have been reviewed. The results are shown below.

### ACUTE ORAL TOXICITY

Isopropyl 99 LD<sub>50</sub>= 5,045 mg/kg (albino rat)  
Methyl Isobutyl Ketone LD<sub>50</sub>= 2080 mg/kg (albino rat)  
Toluene LD<sub>50</sub> = 5,000 mg/kg (albino rat)  
Hydrotreated petroleum distillate LD<sub>50</sub> = >5,000 mg/kg (albino rat)

### ACUTE INHALATION TOXICITY

Isopropyl 99 LC<sub>50</sub> = 15,000 ppm (8 hour exposure – albino rat)  
Methyl Isobutyl Ketone LC<sub>50</sub> = 10,000 ppm (4 hour exposure – guinea pig)  
Toluene LC<sub>50</sub> = 8000 ppm (4 hour exposure – rat)

## SECTION 7 – PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear, little if any color	FORM: Liquid	PERCENT VOLATILE: 100%
ODOR:	Hydrocarbon characteristic	
SOLUBILITY IN WATER:	Negligible	
SPECIFIC GRAVITY:	0.725	
VAPOR PRESSURE:	24 MM HG @20C°	
VAPOR DENSITY (AIR = 1):	3.2	
APPROX. BOILING POINT:	231-232 F°	
EVAP. RATE (N-BUTYL ACETATE = 1):	1.90	

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### **SECTION 8 – FIRE AND EXPLOSION INFORMATION**

**FLASHPOINT:** 43°C (TCC)  
**EXPLOSIVE LIMITS:** 1.3% - Lower 12% - Higher (percent by volume)  
**EXTINGUISHING MEDIA:** Based on the NFPA guide, use dry chemical. CO<sub>2</sub>, foam or other extinguishing agent suitable for Class B fires.  
**FIRE AND EXPLOSION:** This product is extremely flammable and may be ignited by heat, sparks, flame, other ignition sources or static electricity.  
**FIRE FIGHTING:** For larger quantities, the use of self-contained breathing apparatus is required. Do not use water which could spread burning liquid. Water spray may be used to cool exposures.

### **SECTION 9 – REACTIVITY INFORMATION**

**INCOMPATIBILITY:** Avoid contact with strong oxidizers, strong acids and bases, alkali metals, aldehydes and halogens which can generate heat, fires, explosions and the release of toxic fumes.

**THERMAL DECOMPOSITION PRODUCTS:** In the event of combustion CO, CO<sub>2</sub>, and CO<sub>x</sub>, may be formed.

**STABLE:** Yes

**HAZARDOUS POLYMERIZATION:** Will not occur.

### **SECTION 10 – PERSONAL PROTECTIVE EQUIPMENT**

**RESPIRATORY PROTECTION:** Respiratory protection is not normally needed when the product is used in limited concentrations and in adequate ventilated, open areas. If significant vapor concentration meets or exceeds permissible levels (see Section 14), appropriate NIOSH approved chemical cartridge respirator with organic cartridge should be used. For concentrations over 1000 ppm, any powered air-purifying respirator with a full facepiece and organic cartridge should be utilized.

**VENTILATION:** General ventilation is recommended to maintain airborne concentrations below recommended levels. Local ventilation is recommended where vapors, mists, and aerosols may be released. Do not use in confined, closed areas, enclosed garages, etc.

**PROTECTIVE EQUIPMENT:** Use impermeable gloves having materials of Viton, Polyurethane or equivalent. Safety glasses with side shields or chemical goggles should be used for eye protection. Selection should be in accordance with ANSI Z87.1. If clothing is contaminated, remove clothing and thoroughly wash the affected area. Launder contaminated clothing before reuse.

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## **SECTION 11 – SPILL AND DISPOSAL INFORMATION**

### **SPILL CONTROL AND RECOVERY:**

Small liquid spills: Contain with absorbent material, such as clay, soil or any commercially available absorbent. Shovel reclaimed liquid and absorbent into recovery containers for disposal. Refer to CERCLA in Section 14.

Large liquid spills: Dike to prevent further movement and reclaim into recovery or salvage drums for disposal. Refer CERCLA in Section 15. If spill is in excess of EPA reportable quantity, immediately notify the National Response Center, Washington, D.C. (800-424-8802)

For larger indoor spills, evacuate employees and/or personnel and ventilate area. Those responsible for recovery should wear the protective equipment specified in Section 10.

Keep all spills away from heat sparks flames, and welding operations and other ignition sources. Ventilate area and evacuate personnel from exposure if the airborne concentration exceeds the TLV. Refer to Section 14. Contain spills only if it is safe to do so. Otherwise, seek qualified assistance.

**DISPOSAL:** If this product becomes a waste, it meets the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Hazardous waste #'s D001, U161, U220.

User should consult federal, state, or local regulations for proper disposal procedures. As a hazardous liquid waste, it must be solidified before disposal in a landfill (Hazardous Waster Treatment Storage and Disposal facility). This product may be incinerated in accordance with local, state, and federal regulations.

## **SECTION 12 – ENVIRONMENTAL INFORMATION**

If released into the environment, see CERCLA in Section 14.

## **SECTION 13 – REGULATORY INFORMATION**

The following regulations apply to this product.

### **FEDERAL REGULATIONS:**

OSHA'S HAZARD COMMUNICATION RULE, 29 CFR 1910.1200:

Based on our hazard evaluation, the following ingredients in this product are hazardous and the reasons are shown below.

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**SECTION 13 – REGULATORY INFORMATION (continued)**

COMPONENT	UNIT	VALUE	UNIT	VALUE	AGENCY
Toluene	TWA	100 ppm	STEL	150 ppm	ACGIH/TLV
		377 mg/M <sup>3</sup>		565 mg/M <sup>3</sup>	ACGIH/TLV
	PEL	100 ppm		150 ppm	OSHA/TLV
		375 mg/M <sup>3</sup>		560 mg/M <sup>3</sup>	OSHA/TLV
Methyl Isobutyl Ketone	TWA	50 ppm	STEL	75 ppm	ACGIH/TLV
		205 mg/M <sup>3</sup>		307 mg/M <sup>3</sup>	ACGIH/TLV
	PEL	50 ppm		75 ppm	OSHA/TLV
		205 mg/M <sup>3</sup>		300 mg/M <sup>3</sup>	OSHA/TLV
Isopropanol	TWA	400 ppm	STEL	500 ppm	ACGIH/TLA
		983 mg/M <sup>3</sup>		1230 mg/M <sup>3</sup>	ACGIH/TLA
	PEL	400 ppm		500 ppm	OSHA/TLV
		980		1225 mg/M <sup>3</sup>	OSHA/TLV
Hydro treated petroleum Distillate	TWA	5 mg/M <sup>3</sup> *			OSHA/TLV
		* oil mist			ACGHI/TLV

CERCLA/SUPERFUND, 40 CER 117.302

This product contains methyl isobutyl ketone and toluene. Reportable Quantity (RQ) substances and if 1000 pounds (toluene) or 5000 pounds (methyl isobutyl ketone) of product are released, it requires notification to the National Response Center, Washington, D.C. (800) 424-8802).

SARA/SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (TITLE III), 40 CFR300:  
 This product does not contain ingredients listed in Appendix D as an Extremely Hazardous Substance.

TOXIC SUBSTANCE CONTROL ACT (TSCA):  
 The chemical ingredients in this product are on the 8(b) Inventory List (40 CFR 710)

RESOURCE CONSERVATION AND RECOVERY ACT (RCRA), 40 CFR 2671 SUBPART C & D:  
 If this product becomes a waste, it does meet the criteria of a hazardous waste as defined under RCRA 40 CFR 261 (consult Section 11).

FEREDAL WATER POLLUTION CONTROL ACT, CLEAN WATER ACT, 40, CFR 401.15 & 40 CFR 116:  
 This product contains toluene which is subject to effluent limitations and discharge regulations.

STATE REGULATIONS:  
 Users are advised to review individual state critical materials register, right to know laws, and other similar regulations for any necessary listing requirements.

WHMIS:  
 Class B3 – Combustible Liquid: Flashpoint of 37.8°C to 93.3°C  
 Class D2B – Skin Sensitization and Skin/Eye Irritation.

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**SECTION 14 – TRANSPORTATION INFORMATION**

DOT PROPER SHIPPING NAME/HAZARD CODE: Flammable Liquid, N.O.S. UN 1993,  
PG III (LDTQTY, Y309, 10 Liters)

CONTAINS: Toluene, Isopropanol, Methyl Isobutyl Ketone

See IATA Dangerous goods information for shipping Instructions.

**SECTION 15 – USER'S RESPONSIBILITY**

This product material safety data sheet provides health and safety information. The product is to be used in applications consistent with our product literature, labeling, and instruction. Individuals handling this product should be informed of the recommended safety precautions and should have access to this information. Please consult your local sales representative for any further information.

**SECTION 16 – SPECIAL COMMENTS**

The above information is believed to be correct on the date it is published and must not be considered all-inclusive. The information has been obtained only by a search of available literature and is only a guide for handling the chemicals. The person receiving this information should make their own determination as to the suitability of the product for their particular purpose and accepts the risk of use thereof.

No warranty of merchantability, fitness for any particular purpose, or any other warranty is expressed or is to be implied regarding the accuracy or completeness of this information, the results to be obtained from the use of this information or the product, the safety of this product, or the hazards related to its use.

ISSUE DATE: 02/13/2009

REPLACES: All previous dated materials