

Safety Data Sheet

Fog Oil



Section 1. Identification

Product Identifier Fog Oil
Synonyms Petroleum lubricant; Smoke Oil
Manufacturer Stock Numbers N/A

Recommended use Product is intended for professional Special Effects use only.
Uses advised against Use of this material is at the sole risk of the purchaser.

Manufacturer Contact
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USA

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Section 2. Hazards Identification

Classification ACUTE TOXICITY - ORAL - Category 4
EYE DAMAGE/IRRITATION - Category 2B
FLAMMABLE LIQUIDS - Category 3

Signal Word Warning

Pictogram



Hazard Statements Causes mild eye irritation
Causes mild skin irritation
Flammable liquid and vapor
Harmful if swallowed.
Inhalation of mists can cause upper respiratory irritation.
Repeated/prolonged skin contact may cause dermatitis.

Precautionary Statements
Response

Call a poison center/doctor if you feel unwell.
If eye irritation persists: Get medical advice/attention.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

	<p>If inhaled: Remove person to fresh air and keep comfortable for breathing.</p> <p>If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>If skin irritation occurs: Get medical advice/attention.</p> <p>If swallowed: Call a poison center/doctor IMMEDIATELY. Due to aspiration do not induce vomiting.</p> <p>In case of fire: Use Carbon Dioxide, Dry Chemical, foam, water spray to extinguish.</p> <p>Rinse mouth.</p>
Prevention	<p>Avoid breathing mist. May cause upper respiratory irritation.</p> <p>Do not eat, drink or smoke when using this product.</p> <p>Keep away from heat.</p> <p>Keep container tightly closed.</p> <p>Take precautionary measures against static discharge.</p> <p>Use only non-sparking tools.</p> <p>Use only outdoors or in a well-ventilated area.</p> <p>Wash skin thoroughly after handling.</p>
Storage	<p>Store in a well-ventilated place. Keep cool.</p> <p>Store locked up.</p>
Disposal	N/A
Ingredients of unknown toxicity	0%
Hazards not Otherwise Classified	
Inhalation	Inhalation of vapors is not normally a problem due to the low volatility of this product
Skin	Also the use of abrasive soaps or solvents to clean skin can promote dermatitis.
Ingestion	Can cause abdominal irritation, nausea, vomiting & diarrhea.
Aggravated Exposure	Chronic respiratory or skin disease.

Section 3. Ingredients

CAS	Ingredient Name	Weight %
64742-54-7	Distillates, petroleum, hydrotreated heavy paraffinic	99.99% - Max

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

Inhalation	Remove victim to fresh air; if effects occur, consult a physician.
Eye	Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.
Skin	Remove contaminated clothing and wash affected skin with mild soap and water. If skin irritation is severe or continues, get medical attention.
Other clothing	Remove clothing that has been contaminated and launder before reuse.
Ingestion	Get medical attention immediately. DO NOT INDUCE VOMITING! Aspiration hazard - this material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.
Note to Physician	In general, emesis is unnecessary in high viscosity, low volatility products, i.e., most oils and greases.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing Media	Water or foam may cause frothing.
Prevention	Isolate from oxidizers, heat, sparks, electric equipment & open flame.
Flammable Properties	Combustible Liquid. Can form explosive mixtures at temperatures at or above the flashpoint.
Advice for Fire Fighters	Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined area. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up. Stay away from heads of containers that have been exposed to intense heat or flame.

Section 6. Accidental Release Measures

Clean-up	Avoid runoff into storm sewers and ditches which lead to waterways. Small Spills: Mop up with absorbant material and discard in a tightly covered approved waste container.
Disposal	Unless grossly contaminated, reclaimed material can be recycled.

Section 7. Handling and Storage

Storage	Store in well ventilated areas at temperatures below 49 C (120 F). Do not store near flames or at elevated temperatures. Maintain containers upright with caps and bungs tightly secured. To maintain product usefulness, keep tops of barrels free of water at all times. Do not store where container can be subject to rain or water.
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Section 8. Exposure Controls/Personal Protection

Occupational Exposure	Ingredient Name	ACGIH TLV	OSHA	STEL
Limits			PEL	
	Distillates, petroleum, hydrotreated heavy paraffinic	Mist: 5 mg/m3	5 mg/m3	10 mg/m3
Personal Protective Equipment	Goggles, Gloves			
Eye	Splash goggles or safety glasses. Face-shields are recommended when the operation can generate splashes, sprays or mists.			
Skin	Wear coated gloves impervious to oils. Wear shoes with soles which are impervious to oils.			
Clothing	Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use.			
Respirators	Not normally required if good ventilation is maintained.			
Respiratory	Maintain airborne contaminant concentrations below exposure limits given above. If respiratory protection is needed, use only protection authorized in 29 CFR 1910.134, European Standard EN 149, or applicable State regulations. If adequate ventilation is not available or there is potential for airborne exposure above the exposure limits, a respirator may be worn up to the respirator exposure limitations, check with respirator equipment manufacturer's recommendations/limitations. For a higher level of protection, use positive pressure supplied air respiration protection or Self-Contained Breathing			

General

Apparatus or if oxygen levels are below 19.5% or are unknown.
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Do not use abrasive soaps or solvents.

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Oily
Odor	Hydrocarbon Oil
Odor Threshold	N/A
Solubility	Negligible
Partition coefficient Water/n-octanol	>4
VOC%	N/A
Viscosity	27
Specific Gravity	0.84
Density lbs/Gal	7.2
Pounds per Cubic Foot	N/A
Flash Point	425 F
FP Method	N/A
Ph	N/A
Melting Point	N/A
Boiling Point	>374 F
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	<.01
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	N/A
Vapor Density	<.1

Section 10. Stability and Reactivity

Stability	Stable under normal temperatures and pressures.
Incompatibilities	Strong oxidizing agents, KOH, NaOH, NaAlH ₂ , LiAlH ₂ , Chromic acid.
Hazardous Decomposition	Decomposition products may include carbon dioxide and carbon monoxide. When heated to decomposition, fumes can react with oxidizing materials forming NO _x , SO _x , H ₂ S.

Section 11. Toxicological Information

Acute Toxicity	An inhalation hazard may only arise if product is aerosolized or if heated up. If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and upper respiratory tract. Based on data from similar materials.
Carcinogenicity	This product contains mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product

Toxicity have been demonstrated to contain less than 3% extractables by the IP 346 test.
Inhalation LC50 Rat >5 mg/L (4 Hr mist). Oral LD50 Rat >15,000 mg/kg. Dermal LD50 Rabbit >5000 mg/kg.

Section 12. Ecological Information

Toxicity: Fish Duration/Test/Species- Concentration/Conditions: 96 hr LL50 Fathead Minnow - >100 mg/L. 7 Day LL50 NOELR Trout - >1000 mg/L. 72 hr EbL50 Scenedesmus subspicatus - >50% % of WAF.

Toxicity: Invertebrates Duration/Test/Species- Concentration/Conditions: 21 Day WAF Daphnia magna - >1000 mg/L

Biodegradability LOBs are not readily biodegradable. However, hydrocarbons in general are known to be inherently biodegradable because of their capability of being utilized by microbial communities.

Section 13. Disposal

Disposal The generation of waste should be avoided or minimized wherever possible.

Compliance ALL DISPOSAL MUST BE IN ACCORDANCE WITH ALL FEDERAL, STATE, PROVINCIAL, AND LOCAL REGULATIONS. IF IN DOUBT, CONTACT PROPER AGENCIES. EPA CHARACTERISTIC: D001

Section 14. Transport Information

UN Number N/A

UN Proper Shipping Name Non-regulated.

DOT Classification N/A

Packing Group N/A

Section 15. Regulatory Information

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

SARA 311/312 No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 311/312.

Sara Section 313 This material contains no known products restricted under SARA Title III, Section 313 in amounts greater or equal to 1%.

CERCLA This product does not contain any "hazardous substances" listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4.

California Prop 65 This product is not routinely tested to determine chemical(s) known to the state of California to cause cancer and/or birth defects based on maximum impurity levels of components.

Section 16. Other Information

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