

MATERIAL HEALTH & SAFETY DATA SHEET

(Key: > = Greater than; < = Less than)

SECTION 1 - MATERIAL IDENTIFICATION & USE

Material Name: FOGGING OIL Codes 272 & 273

Supplier: *Captain* PHAB Ltd.

Address: 613 Neal Drive
Peterborough, Ontario.
K9J 6X7

Emergency Telephone #: 705 748-0436

Chemical Name: Molecular Weight:

Chemical Family: Petroleum Trade Name/Synonyms: n/a

Chemical Formula: Petroleum based Material Use: Engine preservative

SECTION 2 - HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	Approximate Concentration %	C.A.S.N.A. or U.N. Numbers	"Exposure Limits"	LD ₅₀ / LC ₅₀ Specify Species & Route
Petroleum Distillate	10-30	64742-88-7		Vapor (LC ₅₀) Acute 1400 ppm 4 hours (rat)
Liquefied petroleum gas	7-13	68476-85-7		Not available

SECTION 3 - PHYSICAL DATA FOR MATERIAL

Physical State: Liquid Specific Gravity: 0.848 Odour Threshold(ppm): Odour & Appearance: Petroleum solvent - amber

Vapour Pressure (mm/Hg): 9.75 Vapour Density (Air=1): Heavier than air Evaporation Rate:n/a

Boiling Point (°C):157 Freezing Point (°C): n/a

Solubility in Water(20°C): Insoluble % Volatile (by volume): n/a pH: n/a Density (g/ml): 0.848 Coefficient of water/oil distribution: n/a

SECTION 4 - FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability: Yes. Flame extension of aerosol exceeds 45 cm.Canadian NFC - Level 3. Do not use in presence of open flame or spark.

Means of Extinction: Dry chemicals. CO₂ or foam

Special Procedures Do not place in hot water, near radiators, stoves or other sources of heat

Flash point(°C) & Method: 42 TAG Upper explosion limit(% by volume): 6% Lower explosion limit (% by volume): 1.1%

Auto Ignition Temperature(°C): n/a TDG Flammability Classification: Aerosols class 2.1 UN 1950

Hazardous Combustion Products: CO, CO₂, Sulfur oxides, smoke

EXPLOSION DATA:

Chemical Sensitivity to Impact: Avoid mechanical impact Rate of Burning: n/a Explosion Power: Yes Sensitivity to Static Discharge: Yes

SECTION 5 - REACTIVITY DATA

Chemical Stability : Yes Conditions:

Incompatibility to other substances: Yes Substances: Strong oxidizing agents, strong acids, strong alkalis.

Reactivity and under what conditions: Keep away from heat, sparks, open flame and all other possible ignition sources.

Hazardous Decomposition Products: CO, CO₂, Sulfur, smoke, fumes.

SECTION 6 - TOXICOLOGICAL PROPERTIES OF PRODUCT

Route of Entry:: Skin Contact:X..... Eye Contact:..X.....
Inhalation :..X..... Ingestion:.....X.....

TLV Petroleum distillate TWA - 100 (ppm)
Liquefied petroleum gas - TWA: 1000 CEIL: 1250 (ppm) TWA: 1800 CEIL: 2250 (mg/m³)

Toxicity to Animals -- **WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.**
Acute toxicity of the vapor (LC50) : 1400 ppm (Rat) (Petroleum distillate)

Chronic Effects on Humans: Prolonged or repeated skin contact may lead to dermatitis.

Acute Effects on Humans: EYE CONTACT: May cause irritation, redness and tearing.
SKIN CONTACT: May cause irritation, defatting, drying and cracking of skin.
INHALATION: Excessive inhalation of vapours may be irritating to the nose, throat and respiratory tract and may cause headache and possible unconsciousness.
INGESTION: May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into the lungs may cause chemical pneumonitis which can be fatal. Can be fatal if inhaled or ingested.
This product may irritate eyes and skin upon contact.

Synergistic materials: Not available

Carcinogenicity: The ingredients of this product have not been listed as carcinogens by the National Toxicology Program (NTP).....
Reproductive effects: Not available Teratogenicity:.....Not available. Mutagenicity:.. Not available.

SECTION 7 - PREVENTIVE MEASURES

Small Leak or Spill: Ventilate area and eliminate all sources of ignition. Absorb with an inert material and place in an appropriate waste disposal container.

Personal Protective Equipment: Recommend safety glasses and chemical resistant gloves.

Large Leak & Spill Procedure: Not applicable for aerosol containers.

Protective Clothing: Not applicable for aerosol containers.

Engineering Controls: Use under well-ventilated conditions.

Precautions: Contents under pressure. Container may explode if heated. Direct inhalation of spray may be harmful
Harmful or fatal if swallowed. Keep out of reach of children.

Waste Disposal: Recycle to process, if possible. Consult your local or regional authorities. When container is empty, press button to release all pressure, then dispose of in garbage can.

Handling Procedures & Equipment: DO NOT use in the presence of open flame or spark. Keep away from heat. Avoid breathing vapours or spray mists.
If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.
After handling, always wash hands thoroughly with soap and water.

Storage Requirements: Store in a cool, dry place. Do not place in hot water or near radiators, stoves or other sources of heat. Do not puncture, incinerate or store the container at temperatures over 50°C or in direct sunlight.

Special Shipping Information: None

SECTION 8 - FIRST AID MEASURES

Skin: wash thoroughly with soap and water .If irritation persists get medical attention. Remove contaminated clothing and wash before reuse.

Eyes: Flush eyes with plenty of water for at least 15 minutes, lifting upper and lower lids occasionally. If irritation persists get medical attention.

Inhalation: Remove affected person to fresh air. If breathing is difficult, administer oxygen. If breathing stops give artificial respiration.
Get medical attention.

Ingestion: If swallowed, call a physician or poison control centre immediately. DO NOT induce vomiting. Aspiration of material into lungs due to vomiting may cause chemical pneumonitis which can be fatal.

SECTION 9 - PREPARATION DATE OF M.S.D.S.

TDG Road/Rail -- Aerosols, Class 2.1 UN 1950

WHMIS: WHMIS Class A: Compressed gas.

WHMIS ClassB-5: Flammable aerosol

WHMIS Class D-2B: Material causing other toxic effects (TOXIC)

Sources Used: Aerosol packager 's MSDS's.

Prepared by: Abe Kelly Phone #: 705 748-0436 Fax #: 705 876-6467 Date: January 1, 2006 Revision Date: December 1, 2006