

MATERIAL SAFETY DATA SHEET

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(05)

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Hazard Rating: (NFPA 704)

Health	1
Fire	1
Reactivity	0
Special	none

0 = Least
1 = Slight
2 = Moderate
3 = High
4 = Extreme

SECTION #1 - IDENTIFICATION

PRODUCT NAME: DEE FOG®

MAIN HAZARDOUS CHEMICAL INGREDIENTS

PERCENT (%)

OSHA PEL

ACGIH TLV

Isopropyl alcohol	10.0	400ppm	400ppm
Propylene glycol	6.0	none	none
Igepal CO-360 surfactant	6.0	none	none
BTC-50 (quaternary amine)	1.0	none	none
Sodium saccharin	1.0	none	none
Artificial cherry flavor (proprietary)	1.0	none	none

NOTE: Substances listed as hazardous ingredients are those identified as being present at a concentration of 1% or greater, or 0.1% if the substance is classified and listed as a potential carcinogen by OSHA Hazard Communication Standard.

SECTION #2 - PHYSICAL DATA

BOILING POINT: Not determined.
VAPOR PRESSURE: Not determined.
VAPOR DENSITY (air = 1): Not determined.
SPECIFIC GRAVITY (water = 1): Approx. 1.0.

SOLUBILITY IN WATER: Very soluble.
MELTING POINT: N/A
EVAPORATION RATE: Not determined.

APPEARANCE AND ODOR: liquid; red; cherry odor.

NOTE: Mixture not tested as a whole.

SECTION #3 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:
FLAMMABLE LIMITS:

Not determined.
LFL-not determined.
UFL-not determined.

EXTINGUISHING MEDIA:
FIRE AND EXPLOSION HAZARDS:
FIRE FIGHTING EQUIPMENT:

Dry chemical; alcohol foam; CO₂; water spray.
Information not available.
Keep container and nearby structures cool with water spray. Wear positive-pressure, self-contained breathing apparatus.

PRODUCT NAME: DEE FOG®

SECTION #4 - REACTIVITY DATA

STABILITY: (conditions to avoid) Stable under normal storage conditions.

INCOMPATIBILITY: (specific materials to avoid) Oxidizing and reducing agents; prolonged exposure to heat.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide; aldehydes.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION #5 - ENVIRONMENTAL AND DISPOSAL INFORMATION

ACTION TO TAKE FOR SPILLS/LEAKS: Eliminate all ignition sources and ventilate area. Contain spilled material. Disperse residue. Use suitable absorbent materials. If large release, or respiratory discomfort and irritation occur use a self-contained breathing apparatus.

DISPOSAL METHOD: Remove to permitted waste disposal facility in accordance with local, state and federal requirements.

SECTION #6 - HEALTH HAZARD DATA (Symptoms of Overexposure)

EYE: Irritant. Prolonged contact may cause conjunctivitis and opaqueness of cornea.

SKIN CONTACT: May cause irritation.

INGESTION: May cause irritation of the gastrointestinal tract.

INHALATION: Can cause coughing, shortness of breath, dizziness and irritation of the respiratory tract.

SYSTEMIC AND OTHER EFFECTS: Can be irritating to mucous membranes. The artificial cherry flavor has been shown to cause reproductive effects and tumors in animals. Saccharin was classified as having limited evidence of carcinogenicity in animals and overall inadequate evidence of carcinogenicity. Based on the IARC classification in Group 3 it cannot be classified as carcinogen.

SECTION #7 - FIRST AID

EYES: Irrigate immediately with water for at least 15 minutes. Get immediate medical attention.

SKIN: Wash off with soap and water. If irritation persists get medical attention.

INGESTION: If conscious drink water. Get medical attention.

INHALATION: Remove to fresh air if effects occur. Get immediate medical attention.

PRODUCT NAME: DEE FOG®

SECTION #8 - HANDLING PRECAUTIONS

EXPOSURE GUIDELINE(S): None established.

VENTILATION: Good general ventilation should be adequate.

RESPIRATORY PROTECTION: If respiratory discomfort is experienced, use an approved air purifying respirator with particulate/organic vapor cartridge.

SKIN PROTECTION: Use impervious gloves when prolonged or repeated contact could occur. Wash contaminated clothing before reuse.

EYE PROTECTION: Use safety glasses with side shields.

SECTION #9 - ADDITIONAL INFORMATION

SPECIAL PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Store in a cool, dry, well ventilated place away from heat, open flames and incompatible materials. Keep container tightly closed when not in use. Avoid repeated skin contact and eye exposure. Do not puncture or incinerate container. Do not permit eating, drinking or smoking near material.

EPA-EPCRA - Section 313 (Listed Chemicals): NONE.

REFERENCES - MSDS's for:

Isopropyl alcohol - 1989
Propylene glycol - 1989
Igepal - 1986
BTC-50 - 1988
Saccharin - 1986
Cherry flavor - 1991

DISCLAIMER:

The information herein given was derived solely from the Main Hazardous Chemical Ingredients MSDS's on file at the time of this MSDS preparation. The information is given in good faith but no warranty, express or implied to the accuracy, completeness, or adequacy of the information contained in this MSDS is made. We assume no warranties of fitness or liability from the use of this product. Since the conditions for use, handling, storage and disposal of this product are beyond Cetylite control, users should make their own investigations to determine the suitability of the information for their particular purposes. Users assume liability for damage, or expense arising out of product's improper use. Various Federal, State or Provincial agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in this MSDS. The user should review these regulations to ensure full compliance.