



UTILITY ENTERPRISES, INC.
700 MAIN STREET, WESTBURY, NY 11590
(516) 997-6300 - FAX # (516) 997-6345

MATERIAL SAFETY DATA SHEET

FREE FLO FUEL OIL DEICER

FOR CHEMICAL EMERGENCY: Spill, Leak, Fire, Exposure, or Accident - Call **INFOTRAC** - Day or Night: **1-800-535-5053**
THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD) **IMPORTANT:** Read this MSDS before handling & disposing of this product. Pass this information on to employees, customers and users of this product.

PRODUCT IDENTIFICATION

DOT Shipping name:	CONSUMER COMMODITY, ORM-D	CAS NO.: MIXTURE
Chemical Family:	HYDROCARBON	UN/NA #: UN1230
DOT Hazard Class:	FLAMMABLE LIQUID, POISON	DATE OF ISSUE: 4/11

SECTION I - HAZARDOUS INGREDIENTS/EXPOSURE LIMITS

Hazardous Ingredients:	CAS #	TLV/PEL	AGENCY	TYPE	SARA-313(% Range)
METHANOL	67-56-1	200PPM	ACGIH	TWA(SKIN)	60-70

SECTION II - EMERGENCY AND FIRST AID PROCEDURES

WARNING: CONTAINS METHANOL. INGESTION MAY BE FATAL OR CAUSE BLINDNESS.

EYE CONTACT: Move person away from exposure and into fresh air. Immediately flush eyes with clean water for at least 15 minutes while holding eyelids apart. **Seek immediate medical attention.**

SKIN CONTACT: Remove contaminated shoes and clothing and cleanse affected areas thoroughly by washing with mild soap and water. If irritation persists **seek medical attention.**

INHALATION: (breathing) Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. **Seek medical attention.**

INGESTION: (swallowing) If swallowed, **seek emergency medical attention.** Induce vomiting immediately. Do **not** give anything by mouth to an unconscious person.

SECTION III - HEALTH HAZARDS / ROUTES OF ENTRY

EYE CONTACT: Eye contact will cause irritation and may result in temporary corneal damage.

SKIN CONTACT: Continuous contact with this material may cause dermatitis. Chemical itself is an irritant or sensitizer.

SKIN ABSORPTION: Symptoms of toxicity are not anticipated by this route .

INHALATION: (breathing) Inhalation may cause headache, nausea, vomiting, dizziness, narcosis, suffocation, lower blood pressure, central nervous system depression.

INGESTION: (swallowing) Ingestion may cause blindness, nausea, vomiting, headaches, dizziness, gastrointestinal irritation. Chronic effects of overexposure may include kidney and or liver damage.

SECTION IV - SPECIAL PROTECTION INFORMATION

VENTILATION: If current ventilation practices are not adequate to maintain airborne concentrations below established exposure limits (see section I), additional ventilation or exhaust systems may be required.

RESPIRATORY PROTECTION: The use of respiratory protection is advised when concentrates exceed the established exposure limits (see Section I) If airborne concentrations exceed 200 PPM, a self contained breathing apparatus is advised.

PROTECTIVE GLOVES: The use of gloves impermeable to the specific material handled is advised to prevent possible irritation.

EYE PROTECTION: Approved eye protection to safeguard against potential eye contact, irritation or injury is recommended.

SECTION V - REACTIVITY DATA

STABILITY: Stable

INCOMPATIBILITY: (materials to avoid) This product is incompatible with: *Oxidizing agents, strong acids and bases*

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition in the presence of air may yield carbon monoxide, carbon dioxide.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION VI - SPILL OR LEAK PROCEDURES

PRECAUTIONS IN CASE OF LEAK OR SPILL: **Extremely flammable liquid.** Keep all sources of ignition and hot metal surfaces away from spill/release. Stay upwind and away from spill/release. Isolate hazard area and limit entry to emergency crew only. Stop spill/release if it can be done without risk. Wear appropriate protective equipment including respiratory protection as conditions warrant (see Section IV). Prevent spilled material from entering sewers, storm drains, and natural waterways. Dike far ahead of spill for later recovery and disposal. Spilled material may be absorbed by an appropriate absorbent. Notify fire authorities and appropriate federal,



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state, and local agencies. If spill/release is excess of EPA reportable quantity, immediately notify the **National Response Center**.
 Phone **800-424-8802**

WASTE DISPOSAL METHOD: Dispose of product in accordance with local, county, state, and federal regulations.

SECTION VII - STORAGE AND SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS: Do not get in eyes, skin or clothing. Do not breathe vapor mist or gas. Keep containers tightly closed, cool, dry, and away from all sources of ignition. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. Use good personal hygiene practices. Bond and ground equipment when transferring to another container. "Empty" containers contain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and death. Empty drums should be completely drained, properly bunged, and promptly shipped to the supplier or drum reconitioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. Before working in or on tanks which contain or has contained his product, refer to **OSHA** or **ANSI Z49.1** regulations and other governmental and industrial references pertaining to cleaning, repairing, welding, or other contemplated operations.

SECTION VIII - FIRE AND EXPLOSION HAZARD DATA

Concentrations greater than 20% in water can be ignited. Methanol burns with a clean, clear flame which is almost invisible in daylight.

EXTINGUISHING MEDIA: Extinguish with dry chemical, CO₂, or a universal type foam.

FIRE AND EXPLOSION HAZARD: May decompose during contact with flames, heating elements, or in combustion engines releasing irritating gases. Container may explode if heated due to resulting pressure rise.

FIRE FIGHTING PROCEDURES: Wear appropriate protective equipment including respiratory protection as conditions warrant (see **Section IV**). Stop spill/release if it can be done without risk. Water spray may be useful in minimizing or dispersing vapors and cooling equipment exposed to heat and flame. Avoid spreading burning liquid with water used for cooling purposes.

SECTION IX - PHYSICAL DATA

APPROXIMATE BOILING POINT (DEG F): >140-380	PER CENT VOLATILE: 100
SPECIFIC GRAVITY (68 F): 0.890	FLASH POINT (TCC, DEG F): <100 (CALCULATED)
RELATIVE EVAPORATION RATE (ESTIMATED): >1	PER CENT SOLUBILITY IN WATER: 100
VAPOR PRESSURE @20C mmHg (CALCULATED): <1	

SECTION X - OTHER REGULATORY DATA

SARA	HMIS
<i>SECTION 302:</i> NONE	Health: 3
<i>SECTION 311 & 312:</i> CHRONIC, FIRE	Flammability: 3
<i>SECTION 313:</i> See Section I.I	Reactivity: 1

TSCA	CALIFORNIA PROPOSITION 65
All components are in full compliance with the TSCA inventory.	NOT LISTED
RCRA	CERCLA
Waste material would be a D001	METHANOL RQ: 5000LBS

CARCINOGENICITY:
 NOT LISTED with NTP or IARC.

NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufactures and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.