

# MATERIAL SAFETY DATA SHEET

U.S. DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200

The Steco Corporation  
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DATE Reviewed: **August 15, 2011**

TRADE NAME	<b>TAP MAGIC Formula 2 "ECO-OIL" Cutting Fluid</b>
CHEMICAL NAME & SYNONYMS	Mixed Triglycerides
DOT SHIPPING NAME	Not a Regulated Material
IATA SHIPPING NAME	No hazard label required, no limit on quantity
HMIS/NFPA CODE	Health 0; Fire 1; Reactivity 0
MANUFACTURING CODE NO.	8358
COMMODITY CODE NO.:	332-9150

## I. HAZARDOUS INGREDIENTS

This product contains no toxic or hazardous ingredients by OSHA criteria; however, as with any chemical product, exposure to liquids, vapors, mists and fumes should be minimized.

## II. INGREDIENTS

Proprietary

## III. PHYSICAL DATA

BOILING RANGE, (760 mm Mercury)	:	610° F
SPECIFIC GRAVITY (Water = 1) (lbs/gal)	:	.92
VAPOR PRESSURE (mm of Mercury) @ 75° F	:	N/D
VAPOR DENSITY (Air = 1)	:	N/D
SOLUBILITY IN WATER, % by weight	:	Soluble
EVAPORATION RATE (Butyl Acetate = 1)	:	N/A
% VOLATILE BY VOLUME @ 75° F	:	N/D
APPEARANCE	:	Amber Color
ODOR	:	Mild
pH	:	N/D

## IV. FIRE & EXPLOSION DATA

LOWER FLAMMABLE LIMIT IN AIR (% by Volume)	:	N/D
UPPER FLAMMABLE LIMIT IN AIR (% by Volume)	:	N/D
FLASH POINT, PMCC	:	610° F
AUTOIGNITION TEMPERATURE	:	N/D
EXTINGUISHING MEDIA	:	Foam, Carbon Dioxide, Dry Chemical, Water Spray

## V. HEALTH HAZARD INFORMATION

ROUTES OF ENTRY : Inhalation and ingestion are the primary methods of possible entry.

EFFECTS OF ACUTE OVEREXPOSURE: **INHALATION:** (Unlikely due to low vapor pressure).  
None expected by this route in normal use.  
**INGESTION:** None expected by this route in normal use.  
**EYES:** None expected by this route in normal use.

EFFECTS OF CHRONIC OVEREXPOSURE: **SKIN CONTACT:** Prolonged or repeated exposure may cause slight irritation.

CARCINOGENICITY : Not a carcinogen or suspect carcinogen.

EMERGENCY AND FIRST:  
AID PROCEDURES : **EYE:** Flush eyes gently with water for at least 15 minutes. Supportive treatment is recommended.  
**SKIN:** Wash with mild soap and water. Remove wetted clothing.  
**INHALATION:** Remove to fresh air.  
**INGESTION:** Do not induce vomiting. Call a physician and/or transport to emergency medical facility.

## VI. REACTIVITY DATA

STABILITY: Stable  
INCOMPATIBILITY: Avoid contact with bleaching agents and oxidizers which include chlorine, oxygen, permanganates, perchlorates, percarbonates, peroxides, chromates, hypochlorites, nitric acid and sulfuric acid.  
HAZARDOUS  
DECOMPOSITION: Miscellaneous organic compounds, some possibly toxic.

## VII. DISPOSAL, SPILL OR LEAK PROCEDURES

SPILL OR LEAK PROCEDURES: Contain and dispose of in accordance with Federal, State and local regulations.  
WASTE DISPOSAL METHOD : Material that cannot be used or chemically reprocessed should be disposed of at an approved facility in accordance with any applicable regulations under the Resource Conservation and Recovery Act. Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State regulations. Avoid discharge to sewers or waterways. Product is biodegradable.

## VIII. SPECIAL PRECAUTIONS

Wear protective equipment when handling. Use only with adequate ventilation. Avoid electrical arcs and open flames. Do not breath vapor or mist. Do not get in eyes, on skin or clothing. Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

## IX. ADDITIONAL INFORMATION

**Tap Magic ECO-OIL DOES NOT CONTAIN 1,1,1-trichloroethane** or any ozone depleting substances. ECO-OIL does not contain chlorine, phosphorous, active sulfur, nitrates, nitrite derivatives, amines, polynuclear aromatic compounds either as ingredients or trace contaminants. Shelf life is indefinite at ambient temperatures and left in original containers.

**Tap Magic ECO-OIL** does not contain any chemical compound listed on the SARA list of 'Extremely Hazardous Chemicals', and is in compliance with all of the requirements of the TSCA at the time of shipment.

**Caution:** Any cutting fluid can be "overworked" or "overheated", causing it to break down. This overuse is identified by the sight of or strong odor of vapors or fumes not normally present. The effects of these vapors or fumes on human health have not been fully determined. After use of this product, clean and lubricate metal surfaces to avoid staining and/or corrosion.

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