

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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Information: 1-800-643-8026
Fax #: (501) 374-4278
Date Reviewed: **August 15, 2011**

TRADE NAME:
CHEMICAL NAME & SYNONYMS:
DOT SHIPPING NAME:
HMIS/NFPA CODE:
MANUFACTURING CODE:
COMMODITY CODE:

TAP MAGIC Formula 1 "Aqueous" Cutting Fluid
COMPLEX MIXTURE
Not a Regulated Material
HEALTH 1; FIRE 0; REACTIVITY 0
8358
332-9150

I. HAZARDOUS COMPONENTS

Component	CAS #	OSHA PEL	ACGIH TLV	Other Limits	Max.%
Cellulose Ether	9032-42-2	*	10mg/M3	*	<1
Phosphate Ester	39464-70-5	*	*	*	<3
Triethanolamine	102-71-6	*	*	*	<4
Amine Complex	141-43-5	3mg/M3	*	3ppm TWA	<3
Benzotriazole	95-14-7	*	*	*	<1
Alkoxylated Fatty Alcohol	69227-21-0	.2mg/M3	*	*	<5
Water	-----	-----	-----	-----	<85

* These products do not have a regulatory limit; the OSHA PEL for general oils & dusts is 5mg/M3

II. PHYSICAL DATA

Boiling Range, (760 mm, Mercury) : 100 degrees C
Specific Gravity (Water = 1) : 1.05
Vapor Pressure (mm of Mercury) @ 68 degrees F : 17.5
Vapor Density (Air = 1) : 1
Solubility in Water, % by weight : 100
Evaporation Rate (Water = 1) : 1
% Volatile by Volume : 90
Appearance : Viscous Amber Liquid
Odor : Mild Sweet
pH : 9.3

III. FIRE & EXPLOSION DATA

FLASH POINT, TOC, TCC, PMCC: NONE
AUTOIGNITION TEMPERATURE: NONE
EXTINGUISHING MEDIA: NOT APPLICABLE
SPECIAL FIRE FIGHTING PROCEDURES: Plastic containers may rupture, melt or ignite when exposed to open flame or excessive heat.
UNUSUAL FIRE AND EXPLOSION HAZARD: This product may release toxic fumes when burned; including but not limited to carbon monoxide, phosphorus oxides, ammonia, short chain organics.

IV. HEALTH HAZARD INFORMATION

PRIMARY ROUTES OF ENTRY & EFFECTS OF ACUTE OVEREXPOSURE:

Exposure may occur via inhalation of mist, skin contact or ingestion.
INHALATION: Vapor or mist from heated material may cause irritation of the respiratory tract, experienced as nasal discomfort and discharge, with chest pain, coughing and eye irritation.
SKIN CONTACT: Prolonged or repeated exposure may cause irritation, defatting, & redness. In severe cases pain and swelling may occur.
INGESTION: May cause burning or painful sensations in the mouth, throat, chest, and abdomen, nausea, vomiting and diarrhea. May cause dizziness, drowsiness, faintness, weakness, collapse, and coma.
EYE CONTACT: May cause irritation, experienced as stinging with excess blinking and tear production. Excess redness and swelling of the conjunctiva may occur.

EFFECTS OF CHRONIC OVEREXPOSURE:

SKIN CONTACT: May cause sensitization and an allergic skin reaction in a small proportion of individuals. May aggravate disorders of the kidneys.

CARCINOGENICITY:

Not a carcinogen or suspect carcinogen.

EMERGENCY AND FIRST AID PROCEDURES:

INHALATION: Remove to fresh air. If not breathing, give artificial respiration. Call a physician.
SKIN CONTACT: Remove contaminated clothing. Wash skin with soap and water. Obtain medical attention if irritation persists. Wash clothing before reuse.
INGESTION: Do not induce vomiting. Rinse mouth with water or dilute vinegar. Dilute stomach contents by drinking water. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Call a physician immediately.

EYE CONTACT: Immediately flush eyes with water and continue washing for several minutes. Remove contact lenses, if worn. Obtain medical attention.

V. REACTIVITY DATA

STABILITY: Stable at ambient temperatures and pressures.
INCOMPATIBILITY: Material is alkaline and therefore, contact with acidic materials should be avoided. Do not mix this product with nitrites to avoid formation of carcinogenic nitrosamines. Avoid contact with strong oxidizing agents, strong acids or bases, aldehydes, ketones, acrylates, organic anhydrides, and organic halides.
HAZARDOUS DECOMPOSITION PRODUCTS: If exposed to open flames, the following products are among those that can be produced: oxides of carbon (carbon monoxide and carbon dioxide) and nitrogen, ammonia and organic amines, aldehydes and phosphoric acids.
CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: None

VI. DISPOSAL, SPILL OR LEAK PROCEDURES

AQUATIC TOXICITY: Not determined, but believed to be low.
SPILL OR LEAK PROCEDURES: **Small spills:** Soak up with shop towels or other cellulose-based material. Avoid contact with the skin or eyes. **Large spills:** Same as for small spills, but may require protective clothing and equipment to minimize contact.
WASTE DISPOSAL METHOD: This is of concern only for a quantity exceeding many gallons of material. Dispose of in accordance with all local, state and federal regulations. Incineration is acceptable where permitted under law.
NEUTRALIZATION CHEMICALS: Dilute Acids: Vinegar etc.

VII. SPECIAL PROTECTION INFORMATION

Eye Protection: Standard eye protection should be worn when using this product. Monogoggles. Avoid contact lenses when working with any chemical.
Skin Protection: Protective gloves (butyl or PVC coated) should be worn is prolonged or repeated skin contact occurs or is anticipated.
Respiratory Protection: Not required under normal use conditions. Use self-contained breathing apparatus in high mist concentrations or during fire fighting procedures.
Ventilation: General (mechanical) room ventilation is expected to be satisfactory for use at room temperatures.

VIII. SPECIAL PRECAUTIONS

Do not breathe vapor or mist. Do not get in eyes, on skin, or clothing. Do not swallow. Wash thoroughly after handling. Keep container closed when not in use. Keep from freezing, this may damage container or cause product to separate, making it unsuitable for use. Keep out of reach of children. Repeated exposure may cause liver and kidney damage. Any fluid can be "overworked" or "overheated", causing it to break down. This overuse is identified by the sight of or strong odors, vapors or fumes not normally present. The effects of these vapors have not been fully determined. After use of this product, clean and lubricate metal surfaces to avoid staining and/or corrosion.

IX. ADDITIONAL INFORMATION

Toxic Substances Control Act (TSCA) STATUS: The ingredients of this product are on the TSCA inventory. CALIFORNIA Proposition 65: This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels, which would require a warning under the statute. Shelf life is indefinite at ambient temperatures and left in original containers.

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