

# Material Safety Data Sheet

TAPFREE 2

MSDS No. WB0350A

Date of Preparation: February 20, 2003

Revision: 00

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** TAPFREE 2  
**Chemical Formula:** Aqueous Metal Cutting Fluid  
**CAS Number:** Mixture  
**Other Designations:** None  
**General Use:** Metal Cutting Fluid  
**Manufacturer:** Winfield Brooks Company, Inc., 70 Conn Street, Woburn, MA 01801-5693, Phone (781) 933-5300, (hours of operation: M - F 8:30 AM - 5:00PM) FAX (781) 932-9239, Emergency Phone Number: INFOTRAK (800) 535-5053

<b>HMIS</b>	
<b>H</b>	1
<b>F</b>	0
<b>R</b>	0
<b>PPE†</b>	A
†Sec. 8	

### ☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Yellow, sweet smelling aqueous liquid at room temperature. May cause temporary eye irritation.

## Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt
Polyalkylene Glycol	*****	<20
Chlorinated Fatty Acid	*****	<10
Triethanolamine	102-71-6	<5

\*\*\*\*\* = The specific chemical identity is being withheld as a trade secret.

Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Triethanolamine	none estab.	none estab.	0.46 ppm 5 mg/m <sup>3</sup>	none estab.	3 ppm	none estab.	none estab.

## Section 3 - Physical and Chemical Properties

**Physical State:** Liquid  
**Appearance and Odor:** Yellow color with sweet fatty odor  
**Vapor Pressure:** 25 mm Hg at 68 °F (20 °C)  
**Vapor Density (Air=1):** 5.14  
**Formula Weight:** N/A  
**Density:** 8.5 lb./gal.  
**Specific Gravity (H<sub>2</sub>O=1, at 20 °C):** 1.02  
**pH:** 8

**Water Solubility:** completely soluble  
**Other Solubilities:** N/A  
**Boiling Point:** 212 °F (100 °C)  
**Freezing/Melting Point:** 32 °F (0 °C)  
**Viscosity:** 5 cps. at 68 °F (20 °C)  
**Refractive Index:** No data  
**Surface Tension:** No data  
**% Volatile:** approx. 75%  
**Evaporation Rate:** No data

## Section 4 - Fire-Fighting Measures

**Flash Point:** none  
**Flash Point Method:** N/A  
**Burning Rate:** N/A  
**Autoignition Temperature:** N/A  
**LEL:** N/A  
**UEL:** N/A

**Flammability Classification:** non-flammable: the product will burn only after the water it contains is driven off.

**Extinguishing Media:** Dry chemicals, CO<sub>2</sub>, water fog or foam

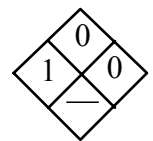
**Unusual Fire or Explosion Hazards:** none

**Hazardous Combustion Products:** Carbon oxides (CO, CO<sub>2</sub>), hydrogen chloride gas, nitrogen oxides & products of incomplete combustion

**Fire-Fighting Instructions:** Water may be used to keep containers cool. Do not release runoff from fire control methods to sewers or waterways.

**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

NFPA



## Section 5 - Stability and Reactivity

**Stability:** product is stable at room temperature in closed containers under normal storage and handling conditions.

**Polymerization:** Hazardous polymerization cannot occur.

**Chemical Incompatibilities:** strong oxidizing agents, reducing agents

**Conditions to Avoid:** keep away from heat

**Hazardous Decomposition Products:** Thermal decomposition of product can produce hydrogen chloride gas.

## Section 6 - Health Hazard Information

### Potential Health Effects

**Primary Entry Routes:** eye contact, skin contact, ingestion

**Target Organs:** No data

**Acute Effects**

**Inhalation:** No significant adverse effects

**Eye:** contact with eye may cause irritation

**Skin:** contact with skin may cause irritation

**Ingestion:** may cause gastrointestinal discomfort & nausea, vomiting or diarrhea

**Carcinogenicity:** IARC, NTP, and OSHA do not list product as a carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:** No data

**Chronic Effects:** no known or reported effects

### Emergency and First Aid Procedures

**Inhalation:** Allow the victim to rest in a well-ventilated area

**Eye Contact:** Flush with plenty of water for at least 15 minutes, occasionally lifting the upper & lower eyelids

**Skin Contact:** Wash well with soap & water

**Ingestion:** Immediately drink large quantities of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Consult a physician if symptoms develop.

*After first aid, get appropriate in-plant, paramedic, or community medical support.*

**Note to Physicians:** N/A

**Special Precautions/Procedures:** N/A

## Section 7 - Spill, Leak, and Disposal Procedures

**Spill /Leak Procedures**

**Small Spills:** Absorb with inert material and place in an appropriate waste disposal container

**Large Spills**

**Containment:** For large spills, dike far ahead of liquid spill for later disposal. Do not release into sewers or waterways.

**Cleanup:** Treat like an oil spill. Pump liquid to salvage tank. Absorb remainder with inert material.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

**Disposal:** Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

**Disposal Regulatory Requirements:** If product becomes a waste, dispose of in accordance with local, state and federal regulations. Product is not a hazardous waste as defined in 40CFR261 Subpart D.

**Ecological Information:** No ecotoxicity or aquatic toxicity known or reported.

**EPA Regulations:**

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification (40 CFR 261): Not classified

SARA 311/312: No listed substances

**State Regulations:** Triethanolamine listed in Right to Know in: FL, MA, MN, PA & RI

## Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:**

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**Respiratory Protection:** If vapors or mists are present, wear an MSHA/NIOSH-approved respirator. Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134). For emergency or nonroutine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. *Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.*

**Protective Clothing/Equipment:** Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133).

Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses. If exposed to prolonged or repeated skin contact, wear chemically protective gloves, boots & aprons.

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

## Section 9 - Special Precautions and Comments

**Handling Precautions:** Keep container closed when not in use.

**Storage Requirements:** Store in original containers in a cool, dry, ventilated place.

### DOT Transportation Data (49 CFR 172.101):

**Shipping Name:** Not DOT regulated

**Shipping Symbols:** N/A

**Hazard Class:** N/A

**ID No.:** N/A

**Packing Group:** N/A

**Label:** N/A

**Quantity Limitations**

a) **Passenger, Aircraft, or Railcar:** none

**Vessel Stowage Requirements**

a) **Vessel Stowage:** none

**Prepared By:** W. B. Perry

**Revision Notes:** Complements or supercedes MSDS #WB955B

**Disclaimer:** The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.