

Material Safety Data Sheet

TAPFREE EXCEL

MSDS No. WB0351A

Date of Preparation: February 20, 2003

Revision: 00

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: TAPFREE EXCEL
Chemical Formula: Oil Based 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

HMIS
H 1
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PPE † B
† Sec. 8

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

Amber colored, mint smelling petroleum-based liquid. May cause temporary eye or skin irritation.

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt
Severely Hydrotreated Light Naphthenic Distillate	64742-53-6	<70
Chlorinated Paraffin	63449-39-8	<30
Sulfurized Olefin	*****	<5
Petroleum Sulfonate	68608-26-4	<5
Polyolefin	*****	<5

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

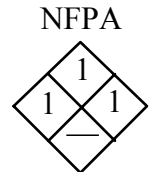
Ingredient	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH IDLH
	TWA	STEL	TWA	STEL	TWA	STEL	
Severely Hydrotreated Light Naphthenic Distillate	5 mg/m ³	none estab.	5 mg/m ³	10 mg/m ³	none estab.	none estab.	none estab.

Section 3 - Physical and Chemical Properties

Physical State: Liquid	Water Solubility: insoluble
Appearance and Odor: Amber color with mint odor	Other Solubilities: N/A
Vapor Pressure: <1 mm Hg at 68 °F (20 °C)	Boiling Point: >500 °F (>260 °C)
Vapor Density (Air=1): >5	Freezing/Melting Point: <-50 °F (<-45 °C)
Formula Weight: N/A	Viscosity: 50 cps. at 68 °F (20 °C)
Density: 8.0 lb./gal.	Refractive Index: No data
Specific Gravity (H₂O=1, at 20 °C): 0.96	Surface Tension: No data
pH: N/A	% Volatile: approx. 0%
	Evaporation Rate: No data

Section 4 - Fire-Fighting Measures

Flash Point: >300 °F (>150 °C)
Flash Point Method: COC
Burning Rate: N/A
Autoignition Temperature: >600 °F (>315 °C)
LEL: N/A
UEL: N/A
Flammability Classification: OSHA Class III-B Combustible liquid
Extinguishing Media: Dry chemicals, CO₂, water fog or foam
Unusual Fire or Explosion Hazards: none
Hazardous Combustion Products: Carbon oxides (CO, CO₂), hydrogen chloride gas, sulfur 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.



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 and sparks.
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: Inhalation of vapors or mist may be irritating to respiratory passages. Prolonged exposure may result in dizziness, nausea, or be harmful.

Eye: contact with eye may cause irritation

Skin: contact with skin may defat the skin and cause dryness, cracking or other 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: Persons with pre-existing skin disorders should avoid contact with this product.

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. If irritation develops, seek medical attention.

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: Treat as exposure to any oil base material

Special Precautions/Procedures: N/A

Section 7 - Spill, Leak, and Disposal Procedures

Spill /Leak Procedures

Small Spills: Absorb with non-flammable 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 non-flammable 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: No specific information.

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 #WB967B

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