

MATERIAL SAFETY DATA SHEET

IDENTITY: AIR TOOL OIL

SECTION 1: Product & Company Identification

Product Name: Tufoil Air Tool Oil

Manufacturer: Fluoramics Inc.

Address: 18 Industrial Avenue, Mahwah, N.J. 07430

Emergency Phone: 201-825-8110

Information Phone: 1-800-922-0075

Fax Number: 201-825-7035

Product use: Lubricant for air driven tools

SECTION 2: Composition / Information on Ingredients

COMPONENTS	%	CAS Numbers
Vehicle: Poly Alpha Olefin	40 - 80	68649 12 7
Tufoil	10 - 30	See Tufoil MSDS
Calcium sulfonate	5 - 15	61789 86 4
Proprietary Ingredients	5 - 25	N/A

SECTION 3: Physical / Chemical Characteristics

Boiling point: Overpoint 300F	Specific Gravity: .9047
Vapor Pressure: Nil	Melting Point: Nil
Vapor Density: N/A	Evaporation Rate (butyl acetate=1): N/A
Solubility in Water: Nil	Water Reactive: N/A
	Appearance and Odor: Tan- odorless

SECTION 4: Fire & Explosion Hazard Data

Flash Point & Method Used: 225C (435FF) COC - Autoignition

Temperature: N/D

Flammability Limits in Air % by Volume: Lower: N/D Upper: N/D

Extinguisher Media: Dry chemical (preferred), foam, water

Fire Fighting Procedures: Water or foam may cause frothing if product is heated above 93C (200F). Use water to cool fire-exposed containers, structures, and to protect personnel.

Fire and Explosion Hazards: Slight when exposed to heat or flame. Combustible at high temperatures. Empty containers may retain product residue including flammable or explosive vapors. Do not cut, drill, grind or weld near full, partially full or empty product containers.

	NFPA CODES	HMIS CODES
HEALTH	1	1
FLAMMABILITY	1	1
REACTIVITY	0	0
PERSONAL PROTECTION		B

SECTION 5: Reactivity Hazard Data

Stability: Stable

Conditions to Avoid: Excessive heat; direct flame

Incompatibility (Materials to Avoid): Strong oxidants; re: liquid chlorine or concentrated oxygen

Hazardous Decomposition Products: CO₂ trace quantities of fluorides decomposition product above 500° F

Hazardous Polymerization: Will not occur

SECTION 6: Health Hazard Data

Primary Routes of Entry: Inhalation - Skin - Ingestion

Health Hazards:

Signs and Symptoms of Exposure: Prolonged and repeated over-exposure may irritate the skin of some individuals.

Medical Conditions Generally Aggravated by Exposure: See below

Eye Contact: Wash with copious amounts of water

Skin Contact: Remove by wiping and wash with soap and water

Inhalation: Expose to fresh air

Ingestion: Treat symptomatically

EYE: May cause mild (transient) irritation

SKIN: Repeated and/or prolonged contact may cause irritation.

Based on studies of similar materials, this product would not be expected to be a dermal sensitizer

INHALATION: Inhalation is not expected to be a problem due to its low volatility. Vapors or mists produced by heating will cause irritation

Emergency and First Air Procedures:

EYE Contact: Flush with large amounts of water

SKIN Contact: Wipe material from skin. Wash skin with soap and

water

INHALATION: Remove from exposure

INGESTION: Do not induce vomiting (possible aspiration hazard).

Immediately seek medical aid.

SECTION 7: Control and Protective Measures

Respiratory Protection (Specify Type): None required at ambient temperatures

Protective Gloves: Butyl Rubber

Eye Protection: Safety goggles

Ventilation to be Used: Local exhaust preferred; usually no general (mechanical) ventilation

Other Protective Clothing and Equipment: When applicable

Hygienic Work Practices: As indicated above in "Other Precautions"

SECTION 8: Precautions for Safe Handling and Use Leak Procedures

Steps to be Taken if Material is Spilled or Released: Absorb with porous inert material - transfer to closed container. Floor may be slippery; use care to avoid falls.

Waste Disposal Methods: Sealed drum containment as per organic chemicals. Follow federal, state and local regulations regarding health and pollution.

Precautions to be Taken in Handling and Storage: Keep containers closed when not in use. Avoid excessive heat or direct flame.

Other Precautions and/or Special Hazards: Avoid frequent or prolonged skin contact or inhalation of fumes, mists and vapors.

SECTION 9: Physical and Chemical Properties

Appearance and Odor: Tan, light oil; characteristic odor

Solubility: Insoluble in water, soluble in most nonpolar organic solvents

Melting Point: N/A

Boiling Point: Overpoint 300F

Specific Gravity

(H₂O=1): 0.80 - 0.90

Vapor Pressure @ 20C:

N/D

Vapor Density (Air=1):

N/D

Volatility @ 70F: Low

SECTION 10: Stability and Reactivity

Stability: stable

Conditions to avoid: Temperature above 250F without adequate ventilation. Will not polymerize

Incompatibility (Materials to Avoid): Strong oxidants; re: liquid chlorine or concentrated oxygen

Hazardous Decomposition Products: CO₂ trace quantities of fluorides decomposition product above 500° F

SECTION 11: Toxicological Information

No toxicology data available. Observe good hygiene and safety practices when handling this product.

SECTION 12: Ecological Information

No ecological information is available

SECTION 13: Disposal considerations

PROCEDURES: If material is released or spilled , stop flow. Eliminate all sources of ignition. Avoid excessive dermal contact. Remove soiled clothing and launder before reuse. Absorb or scrape up.

WASTE DISPOSAL: Use appropriate method. Incinerate under controlled conditions. Improve combustion by mixing with a more flammable solvent. Observe all applicable local, state and federal environmental spill and water quality regulations.

SECTION 14: Transport information

Transportation information: N/A

SECTION 15: Regulatory Information

Non-hazardous product. Not applicable

SECTION 16: Other information

Date prepared: April 24, 2006