



## MATERIAL SAFETY DATA SHEET

PRODUCT: **TBF 9-50**

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufactured By:  
Path Silicones, Inc.  
PO Box 430, Wallace St. Ext.  
Elmwood Park, NJ 07407

Supplied By:  
Path Silicones, Inc.  
PO Box 430, Wallace St. Ext.  
Elmwood Park, NJ 07407

Emergency Phone: (201) 796-0833

Chemical Family/Use: Silicone Fluid  
Formula: Silicone Fluid

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Product Composition/ CAS Reg No.	Approx. Wgt. %	ACGIH TWA	TLV STEL	OSHA TWA	PEL STEL	UNITS
A. HAZARDOUS None Found	Not a hazardous material as defined by OSHA Hazard Communication Standard.					
B. NON-HAZARDOUS Dimethylpolysiloxane 63148-62-9	100	NE	NE	NE	NE	NE

### 3. HAZARDS IDENTIFICATION

#### POTENTIAL HEALTH EFFECTS

**Ingestion:** None known.  
**Skin Contact:** None known.  
**Inhalation:** None known.  
**Eye Contact:** May cause mild eye irritation.  
**Medical Conditions Aggravated:** None known.  
**Subchronic(Target Organ) Effects:** None known.  
**Chronic Effects/ Carcinogenicity:** This product or one of its ingredients present 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.  
**Principle Routes of Exposure:** None known.

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#### 4. FIRST AID MEASURES

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<b>Ingestion:</b>	No first aid should be needed.
<b>Skin:</b>	No first aid should be needed.
<b>Inhalation:</b>	No first aid should be needed.
<b>Eyes:</b>	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.
<b>Note to Physician:</b>	None known.

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#### 5. FIRE FIGHTING MEASURES

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Flash Point:	>535°F, >302°C
Method:	COC
Ignition Temp.	ND
Flammable limits in air - lower (%)	NA
Flammable limits in air - upper (%)	NA
Sensitivity to mechanical impact (Y/N)	No
Sensitivity to static discharge:	Sensitivity to static discharge is not expected.
Extinguishing media:	Foam, dry chemical or carbon dioxide.
<b>Special Firefighting Procedures:</b>	A self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals.

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#### 6. ACCIDENTAL RELEASE MEASURES

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**Action to be taken if material is released or spilled:**

Contain the spill or leak. Scrape up with cardboard, rags or absorbent material. Place in a suitable container for disposal.

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#### 7. HANDLING AND STORAGE

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**Precautions to be taken in handling and storage:**

Store in clean and cool area, away from oxidizing materials. Keep container closed. Keep away from heat, flame or sparks. Avoid contact with eyes and prolonged or repeated skin contact. Do not take internally. For industrial use only. Use with adequate ventilation.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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<b>Exposure Limits:</b>	No components with workplace exposure limits
<b>Engineering Controls:</b>	Eyewash equipment and safety shower.
<b>Respiratory Protection:</b>	No respiratory protection should be needed.
<b>Protective Gloves:</b>	Plastic film or rubber gloves
<b>Eye and Face Protection:</b>	Safety glasses.
<b>Other Protective Equip:</b>	Boots, apron or coveralls as necessary to prevent skin contact.
<b>Ventilation:</b>	General ventilation recommended.
<b>Other:</b>	Wash hands at meal time and end of shifts.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### PRODUCT INFORMATION

Boiling Point	>65°C >149°F
Vapor Pressure (20C) (MM Hg)	<10
Vapor Density (Air = 1)	>1.0
Freezing Point	ND
Melting Point	ND
Physical State	Liquid
Odor	Odorless
Color	Clear
Odor Threshold (PPM)	UNK
% Volatile By Weight	NA
Evaporation Rate (Butyl Acetate = 1)	<1.0
Specific Gravity (Water = 1)	0.96
Solubility in Water (20C)	Insoluble

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## 10. STABILITY AND REACTIVITY

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Stability:	Stable
Hazardous Polymerization:	Will Not Occur
Hazardous Thermal Decomposition/ Combustion Products:	Carbon oxides, Silicon dioxide, Formal dehyde.
Incompatibility (Materials To Avoid)	Oxidizing materials
Conditions to Avoid:	None Known

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## 11. TOXICOLOGICAL INFORMATION

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### Acute Toxicology Data:

Oral LD50 (rat) >50 ml/kg

### Special Hazard Information:

None known

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## 12. ECOLOGICAL INFORMATION

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**Environmental Effects:**

Toxicity to Water Organisms:

Toxicity to Soil organisms:

Bioaccumulation:

has

Product is expected to exhibit low toxicity to aquatic organisms.

Experiments showed that when sewage sludge containing poly-Dimethylsiloxane is added to soil, it has no effect on soil micro-Organisms, earthworms or subsequent crops grown in the soil.

Due to the physical size of its molecule, this product is unable to pass through, or be absorbed by biological membranes. This

been confirmed by testing or by analogy with similar products.

**Fate and Effects in Waste Water treatment Plants:**

This product or similar products has been shown to be non-toxic to sewage sludge bacteria.

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**13. DISPOSAL CONSIDERATIONS**

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**RCRA Hazard Class (40 CFR 261)**

When a decision is made to discard this material, as received, it is not classified as hazardous waste.

Disposal Method: Disposal should be made in accordance with federal, state and local regulations. Do not discharge into waterways or sewer systems.

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**12. TRANSPORT INFORMATION**

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DOT Shipping Name	None
DOT Hazard Class	None
DOT Label(s)	None
UN/NA Number	None
Placards	None
IATA:	
NA	None
IMO IMDG-Code	None
European Class:	
RID (OCTI)	None
ADR (ECE)	None
RAR (IATA)	None

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**13. REGULATORY INFORMATION**

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This MSDS is in compliance with the OSHA Hazard Communication Standard 29 CFR 1910.1200

**TSCA Status:**

All chemicals in this material are included or exempted from listing on TSCA Inventory of Chemical Substances.

**SARA Section 302:**

None

**CERCLA Section 304:**

None

**SARA (311,312) Hazard Class:**

None

**SARA (313) Chemicals:**

None

**CPSC Classification:**

None

**WHMIS Hazard Class:**

Non-Controlled

**WHMIS Trade Secret:**

None

**Export:****Schdle B/HTSUS:**

3910.00.00003

**Hazard Rating Systems:****HMIS:** Flammability: 1; Reactivity: 0; Health: 0**NFPA:** Flammability: 1; Reactivity: 0; Health: 0

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**14. OTHER INFORMATION**

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These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use.

C = ceiling limit

EST = estimated

NA = not applicable

NE = none established

ND = none determined

NEGL = negligible

NF = none found

UNK = unknown

REC = recommended

V = recommended by vendor

SKN = skin

TS = trade secret

R = recommended

MST = mist

NT = not tested

STEL = short term exposure limit

By-product = reaction by-product, TSCA inventory status not required under 40 CFR part 720.30(h-2).

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**\*\*\*\*END OF MSDS\*\*\*\***mm 04/29/2009

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