

### FT704 Diffusion Pump Fluid

#### 1. IDENTIFICATION

1.1 Product identifiers    Product name: Diffusion Pump Fluid  
Product Number: FT704

1.2 Relevant identified uses of the substance or mixture and uses advised against  
Identified uses : Laboratory chemicals, Manufacture of substances

#### 1.3 Company Identification

Fil-Tech, Inc.  
6 Pinckney St.  
Boston, MA 02114  
617-227-1133

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#### 2. HAZARDS IDENTIFICATION



##### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

##### 2.2 Label elements

Caution - substance not yet tested completely.

##### 2.3 Other hazards - none

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#### 3. COMPOSITION/INFORMATION ON INGREDIENTS

##### 3.1 Substances

Ingredinet	% Weight	CAS No
Tetramethyl tetraphenyl trisiloxane	> 35%	3982-82-9
Tetraphenyl dimethyldisiloxane	> 30%	807-28-3

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#### 4. FIRST AID MEASURES

##### 4.1 Description of first aid measures

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Aldrich - 85426

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

No data available

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## 5. FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2 Special hazards arising from the substance or mixture

Nature of decomposition products not known.

### 5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

### 5.4 Further information

No data available

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## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors, mist or gas.

### 6.2 Environmental precautions

Do not let product enter drains.

### 6.3 Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For disposal see section 13.

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## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Normal measures for preventive fire protection.

### 7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

### 7.3 Specific end uses

No data available

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION



### Components with workplace control parameters

Appropriate engineering controls

General industrial hygiene practice.

## Personal protective equipment

### Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

## Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.

Wash and dry hands.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.

## Body Protection

Impervious clothing.

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

## Respiratory protection

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

## 9.1 Information on basic physical and chemical properties

a) Appearance Form: clear, viscous, liquid      Colour: colourless

b) Odour	no data available
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c) Odour Threshold      no data available

d) pH no data available

e) Melting point/freezing point      no data available

f) Initial boiling point and boiling range      no data available

g) Flash point	no data available
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h) Evaporation rate      no data available

i) Flammability (solid, gas) no data available

j) Upper/lower flammability or explosive limits      no data available

k) Vapour pressure	no data available
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I) Vapour density	no data available
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m) Relative density                      no data available  
n) Water solubility                      no data available  
9.2 Other safety information      no data available

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## 10. STABILITY AND REACTIVITY

10.1 Reactivity      no data available  
10.2 Chemical stability      no data available  
10.3 Possibility of hazardous reactions      no data available  
10.4 Conditions to avoid      no data available  
10.5 Incompatible materials      Strong oxidizing agents  
10.6 Hazardous decomposition products  
    Other decomposition products - no data available

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## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity      no data available  
Skin corrosion/irritation      no data available  
Serious eye damage/eye irritation      no data available  
Respiratory or skin sensitization      no data available  
Germ cell mutagenicity      no data available  
Carcinogenicity  
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.  
Reproductive toxicity      no data available  
Specific target organ toxicity - single exposure      no data available  
Specific target organ toxicity - repeated exposure      no data available  
Aspiration hazard      no data available  
Potential health effects  
    Inhalation      May be harmful if inhaled. May cause respiratory tract irritation.  
    Ingestion      May be harmful if swallowed.  
    Skin      May be harmful if absorbed through skin. May cause skin irritation.  
    Eyes      May cause eye irritation.  
Additional Information      RTECS: Not available

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## 12. ECOLOGICAL INFORMATION

12.1 Toxicity      no data available  
12.2 Persistence and degradability      no data available  
12.3 Bioaccumulative potential      no data available  
12.4 Mobility in soil      no data available  
12.5 Results of PBT and vPvB assessment      no data available  
12.6 Other adverse effects      no data available

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## 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product    Offer surplus and non-recyclable solutions to a licensed disposal company.  
Contaminated packaging    Dispose of as unused product.

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#### 14. TRANSPORT INFORMATION

14.1 UN number    ADR/RID: -    IMDG: -    IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)    ADR/RID: -    IMDG: -    IATA: -

14.4 Packaging group    ADR/RID: -    IMDG: -    IATA: -

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

14.6 Special precautions for user    no data available

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#### 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture no data available

15.2 Chemical Safety Assessment    no data available

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#### 16. OTHER INFORMATION

REVISION DATE    03.25.2024

REV. NO./REPL. SDS

GENERATED

SAFETY DATA SHEET STATUS

Approved.

DATE    03.25.2024