

**MATERIAL SAFETY DATA SHEET
FORMULA-8**

SECTION 1: Product and Company Identification

Product Name: Formula-8

Synonyms: Oxygen-compatible Thread Sealant

Manufacturer: Fluoramics Inc.

Address: 18 Industrial Avenue, Mahwah, NJ 07430

Emergency Phone: 201-825-8110

Information Phone: 1-800-922-0075

Fax Number: 201-825-7035

Chemical Name: Aqueous Paste & Filler of PTFE

Chemical Family: Mixture

Product use: Thread Sealant

SECTION 2: Composition/Information on Ingredients

| Ingredient | CAS No. | % Wt. |
|--------------------------------|-----------------------|--------------------|
| Water | 7732 18 5 | 45 - 60 |
| Polytetrafluoroethylene | 9002 84 0 | 40 - 60 |
| Carboxy Vinyl Polymer | 9003 01 4 | .5 - 2 |
| Titanium Dioxide | 13463 67 7 | 2.5 - 5 |

SECTION 3: Hazards Identification

Route of Entry:

Signs & Symptoms of Exposure: PTFE polymer, when thermally decomposed, may cause polymer fume fever and flu-like symptoms.

Eyes: May cause irritation. Use goggles if contact is probable

Skin: May cause irritation to sensitive skin. Use protective garment when applicable

Ingestion: Contact a physician

Inhalation: Use a local exhaust if possible

SECTION 4: First Aid Measures

Eyes: Flush eyes with copious amounts of water

Skin: Remove by wiping and wash with soap and water

Ingestion: Contact a physician

Inhalation: Remove to fresh air

SECTION 5: Fire Fighting Measures

Flash point & method used: N/A

Flammability limits in air by volume: Non-combustible

Extinguisher media: Incombustible

Special fire fighting procedures: none

Unusual fire and explosion hazards: In extreme fire situation, protection from hydrogen fluoride fumes should be employed

| | NFPA Codes | HMIS Codes |
|--------------------------------|-----------------------|-----------------------|
| Health | 1 | 1 |
| Flammability | 0 | 0 |
| Reactivity | 0 | 0 |
| Personal Protection | SCBA | B |

SECTION 6: Accidental Release Measures

Non-hazardous. Disposal to conform with local, state and federal regulations

SECTION 7: Handling and storage

Do not store below 35F (1.6C)

Precautions: Strictly enforce NO SMOKING rule for workers handling material

SECTION 8: Exposure control/Personal protection

Use normal personal hygiene and good housekeeping.

Respiratory protection: If exposed to high temperature processing fumes, wear self-contained breathing apparatus.

Use protective gloves.

SECTION 9: Physical and chemical properties

Appearance: white

Odor: None

Physical: paste

Boiling point: 212F (water)

Melting point: N/A

Vapor pressure: <.01

Solubility in water: dispersible

Specific gravity H₂O=1: 1.2

Evaporation rate (butyl acetate=1): H₂O slow

SECTION 10: Stability and reactivity

Stability: stable

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

Incompatibility: strong alkali

Hazardous decomposition products: At 650C (1202F) COF₂ is the principal toxic product. At above 650C, major products are CF₄ and CO₂.

SECTION 11: Toxicological information

No toxicology data available

SECTION 12: Ecological information

No ecological information is available

SECTION 13: Disposal considerations

Waste disposal methods: Land fill is preferred but disposal

methods must conform with local, state and federal regulations.

SECTION 14: Transport information

Transport information: N/A

SECTION 15: Regulatory information

Non-hazardous product. Not applicable

SECTION 16: Other information

Date prepared: February 8, 2009