

MATERIAL SAFETY DATA SHEET

IDENTITY: FORMULA-8

Chemical name: Aqueous Paste & Filler of PTFE
Chemical family: Perfluorocarbon Polymer
Formula: (CF)₂n

MANUFACTURER: Fluoramics Inc.
ADDRESS: 18 Industrial Avenue
Mahwah, N.J. 07430
PHONE: 201-825-8110

DATE PREPARED: January, 2000
PREPARED BY: F.G. Reick,
President

CAS NUMBERS:

H₂O (water): No CAS number
Carboxy Vinyl Polymer: 9003 01 4
Polytetrafluoroethylene Powder: 9002 84 0
Polytetrafluoroethylene Aqueous Dispersion:
9002 84 0
TiO₂ Titaniumdioxide: 13463 67 7
Monoethanolamine: 141 43 5

SECTION 1 - COMPONENTS

COMPONENTS	%	ACHIH - TLV
Carbopol	5	
Pigments	20	TiO ₂
Vehicle	14	Water
Surfactants - Triton 100	01	
Teflon (PTFE) T30**	59	
Colloidal Silica	1	
** Inert to oxygen, non-combustible, odorless, no known dangerous mixtures		

SECTION 2 - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling point: 212° (water)
Vapor Pressure: less than 0.01
Vapor Density: N/A
Solubility in Water: Dispersible

Specific Gravity H₂O=1): 1.2
Melting Point: N/A
Evaporation Rate (butyl acetate=1): H₂O slow
Water Dispersable
Appearance and Odor: White paste - odorless

SECTION 3 - FIRE & EXPLOSION HAZARD DATA

Flash Point & Method Used: None
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 4 - REACTIVITY HAZARD DATA

Stability: Stable

Conditions to Avoid: Temperature above 250° without adequate ventilation. Will not polymerize.

Incompatibility (Materials to Avoid): Strong alkali

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

Hazardous Polymerization: Will not occur

SECTION 5 - HEALTH HAZARD DATA

Primary Routes of Entry: Inhalation - Skin - Ingestion

Health Hazards: Treat symptomatically

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

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: Remove to fresh air

Ingestion: contact a physician

Emergency First Aid Procedures: Call a physician.

SECTION 6 - CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specify Type): If exposed to high temperature processing fumes, wear self-contained breathing apparatus.

Protective Gloves: Yes

Eye Protection: Goggles if contact is probable

Ventilation to be Used: Local exhaust preferred; General (mechanical), usually none

Other Protective Clothing and Equipment: Protective garment when applicable

Hygienic Work Practices: As indicated

SECTION 7

PRECAUTIONS FOR SAFE HANDLING AND USE LEAK PROCEDURES

Steps to be Taken if Material is Spilled or Released: N/A

Waste Disposal Methods: Land fill is preferred but disposal methods must conform with local state and federal regulations.

Precautions to be Taken in Handling and Storage: Strictly enforce NO SMOKING rule for workers handling material.

Other Precautions and/or Special Hazards: Use normal personal hygiene and good housekeeping.