

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



IDENTITY (As Used on Label and List)

INERTECH EXPANDED PTFE MATERIAL

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name INERTECH INC.	Emergency Telephone Number (626) 282-2000
Address (Number, Street, City, State, and ZIP Code) 641 MONTEREY PASS ROAD	Telephone Number for Information (626) 282-2000
MONTEREY PARK, CA 91754-2418	Date Prepared 06/22/99
	Signature of Preparer (optional)

Section II – Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (Optional)
---	----------	-----------	--------------------------	--------------

THIS PRODUCT CONSISTS OF POLYTETRAFLUOROETHYLENE (PTFE) CAS#9002-84-0, 100%

IF HEATED ABOVE 750°F, THE PRODUCT CAN EVOLVE DEGRADATION PRODUCTS AS FOLLOWS:
HYDROGEN FLUORIDE, CARBONYL FLUORIDE.

MATERIAL IS NOT KNOWN TO CONTAIN TOXIC CHEMICALS UNDER SECTION 313 OF TITLE III OF THE
SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

WE DO NOT CONSIDER THIS PRODUCT TO BE HAZARDOUS UNDER NORMAL USE.

Section III – Physical/Chemical Characteristics

Boiling Point NOT APPLICABLE	Specific Gravity (H2O = 1) 0.4 - 1.3
Vapor Pressure (mm Hg.) NOT APPLICABLE	Melting Point 621 - 648°F
Vapor Density (AIR = 1) NOT APPLICABLE	Evaporation Rate (Butyl Acetate = 1) NOT APPLICABLE
Solubility in Water INSOLUBLE	
Appearance And Odor WHITE, MARSHMALLOW LIKE, ODORLESS	

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used) 986 - 1022°F (ASTM D1929)	Flammable Limits NOT APPLICABLE	LEL	UEL
Extinguishing Media WATER, FOAM, DRY CHEMICAL, CO ₂			
Special Fire Fighting Procedures PTFE DOES NOT BURN WITHOUT EXTERNAL SOURCE OF FUEL. IN EXTREME FIRE SITUATION, PROTECTION FROM IGNITION PRODUCTS SHOULD BE EMPLOYED.			
Unusual Fire and Explosion Hazards PTFE WILL BURN IN 100% OXYGEN ATMOSPHERE WHEN IGNITION SOURCE IS PRESENT.			

Section V – Reactivity Data

Stability	Unstable N/A		Conditions to avoid NOT APPLICABLE
	Stable N/A		NOT APPLICABLE

Incompatibility (*Materials to Avoid*)

MOLTEN ALKALI METALS, ELEMENTAL FLUORINE, AND INTERHALOGEN COMPOUNDS

Hazardous Decomposition or Byproducts

HYDROGEN FLUORIDE AND CARBONYL FLUORIDE > 750°F

Hazardous polymerization	May Occur		Conditions to avoid
	Will Not Occur XXX		

Section VI – Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
--------------------	-------------	-------	------------

Health Hazards (Acute and Chronic)

NONE UNDER NORMAL USE & CONDITIONS

Carcinogenicity:	NTP? NO	IARC Monographs? NO	OSHA Regulated? NO
------------------	------------	------------------------	-----------------------

Signs and Symptoms of Exposure

PTFE, WHEN THERMALLY DECOMPOSED, MAY CAUSE POLYMER FUME FEVER WITH FLU-LIKE SYMPTOMS, OR EYE, NOSE, AND THROAT IRRITATION.

Medical Conditions

Generally Aggravated by Exposure

NONE UNDER NORMAL USE

Emergency and First Aid Procedures

IF OVEREXPOSED TO THERMAL DECOMPOSITION MOVE TO FRESH AIR. EYE CONTACT - FLUSH WITH WATER FOR 15 MINUTES AND CALL PHYSICIAN.

Section VII – Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or spilled

NO SPECIAL ACTION

Waste Disposal Method

NORMAL LANDFILL - COMPLIES WITH ALL LOCAL DISPOSAL REGULATIONS

Precautions to Be Taken in Handling and Storing

STORE IN CLEAN DRY AREA AWAY FROM HIGHLY FLAMMABLE MATERIAL.

NORMAL WASH UP AFTER HANDLING IS RECOMMENDED.

Other Precautions

Section VIII – Control MeasuresRespiratory Protection (*Specify Type*)

NONE UNDER NORMAL USE

Ventilation	Local Exhaust NONE UNDER NORMAL USE	Special NONE
	Mechanical (<i>General</i>) NONE UNDER NORMAL USE	Other NONE

Protective Gloves NONE REQUIRED	Eye Protection AS GENERAL GOOD PRACTICE, SAFETY GLASSES SHOULD BE WORN.
Other Protective Clothing or Equipment NONE	

Work/Hygienic Practices