

MATERIAL SAFETY DATA SHEET

SECTION 1

Manufacturer: Date: March 4, 2003 **NAFCO**
Telephone (847) 541 - 6000
930 Seton Court
Wheeling, IL. 60090

SECTION 2 - INGREDIENTS

Material Identification

Product Name: Marzon 5

Chemical name: OSHA PEL. (mg/m ³)	ACGIH TLV (mg/m ³)	CAS NO.
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Polytetraflourethylene NL	NL	9002-89-0
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Remarks (hazards, etc.) Avoid breathing product dust or fumes from thermally decomposing material.

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Appearance & Odor: Wht odorless powder	Flash Point/Method: NA
Specific Gravity: 2.16-2.20	Fire Point/Method: NA
Melting Point: ND	Auto-Ignition Temp.: NA
Boiling Point: ND	Vapor Pres./mmHg.: NA
Solubility: Insoluble in water & most solvents.	Vapor Density/Air=1: NA

Other:

SECTION 4 - FIRE & EXPLOSION DATA

Flammable limits **LEL** **ND** **UEL** **ND**

Special Fire Fighting Procedures: Product does not burn without external flame. Wear self contained breathing apparatus and protective clothing for protection from toxic and corrosive fumes generated by product decomposition at elevated temperatures.

Extinguishing Media: Suitable for surrounding fire.

Unusual Fire & Explosion Hazards: PTFE will burn in an atmosphere of 95% oxygen when an ignition source is present. Toxic fluorine compounds are evolved in fire.

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA)

Stability: Stable at normal operating conditions. PTFE begins to decompose above 250°C (482°F); decomposition increases rapidly above 399°C (750°F). PTFE will burn in 95% oxygen atmosphere.

Incompatibility: Alkali metals, interhalogen compounds, strong oxidizers.

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products: Above 250°C (482°F) these products can evolve toxic gasses such as hydrogen fluoride, perflourohydrocarbons, and carbon oxides.

SECTION 6 - ROUTE OF EXPOSURE AND FIRST AID

Inhalation: move patient to fresh air; consult physician if necessary.

Eyes: Flush with water sufficient to remove foreign material; consult physician if necessary.

Skin: Wash with soap and water; if rash or redness develop consult a physician.

Ingestion: Not likely route if symptoms occur consult physician.

SECTION 7 - EFFECTS OF EXPOSURE

INHALATION:

Acute: Mechanical irritation of mouth, nose, and throat, from nuisance dust.

Chronic: Long term exposure may lead to respiratory problems.

EYES:

Acute: Mechanical irritation.

Chronic: None Known.

SKIN:

Acute: None Known.

Chronic: None Known.

INGESTION:

Acute: Not determined, unlikely route of exposure.

Chronic: None Known.

SECTION 8 - PRECAUTIONS & SPILL/LEAK PROCEDURES

Handling & Storage: Store away from heat or flame. Enforce no smoking rules where the product is handled or stored. Avoid contamination of product.

Clean up of spilled or released material: Sweep or vacuum material to avoid slipping hazard.

Waste Disposal: Landfill preferred; disposal method must conform to federal, state, and local regulations.

Respiratory Protection/Type: MSHA/NIOSH approved for nuisance dusts, mists, and fumes with TVL greater than .5 mg/m³.

Ventilation: Local exhaust during processing.

Protective Gloves: Not required.

Eye Protection: Goggles

Protective Clothing/Equipment: Suitable work clothes

Work Hygienic Practices: Wash hands and face with soap and water; clean fingernails before eating or smoking.

Comments: Avoid contamination of tobacco products. Inhalation of thermally decomposed polymer dust may cause polymer "fume fever". Symptoms are temporary flu-like, with chills and fever, which may not occur until several hours after exposure and pass off within 36-48 hours even in the absence of treatment.

ABBREVIATIONS:

NL = NOT LISTED

NA = NOT APPLICABLE

NE = NOT ESTABLISHED

ND = NOT DETERMINED

NR = NOT REGULATED

**** The information in this Material Safety Data Sheet relates only to the specific material(s) designated herein and does not relate to use in combination with any other material or substance in any process.**

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