

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 Kryptonar™ PVDF Topcoat	<i>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.</i>
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Section I

Manufacturer's Name Nile Polymers	Emergency Telephone Number (801) 824-8175
Address (Number, Street, City, State, and ZIP Code) 569 North 400 East	Telephone Number for Information (801) 824-8175
Centerville, UT	Date Prepared 12/3/2015
84014	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)
Polyvinylidene Fluoride (PVDF)	N/A	N/A	N/A	100%

Section III - Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H2O = 1)	1.7
Vapor Pressure (mm Hg)	N/A	Melting Point	311°F - 320°F
Vapor Density (AIR = 1)	N/A	Evaporation rate (Butyl Acetate = 1)	N/A
Solubility in Water Insoluble			
Appearance and Odor Odorless White Powder			

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) N/A	Flammable Limits	LEL N/A	UEL N/A
Extinguishing Media Use water spray, carbon dioxide, foam or dry chemical.			

Special Firefighting Procedures
Fire fighters exposed to combustion products should use full bunker gear and self-contained breathing apparatus.

Unusual Fire and Explosion Hazards
When burned, the following hazardous products of combustion can occur:
oxides of carbon and hydrogen fluoride.

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid Temperatures in excess of 600° F
	Stable	X	

Incompatibility (Materials to Avoid)

Contact with strong bases, esters and ketones may cause a low energy release.

Hazardous Decomposition or Byproducts

Decomposition byproducts include hydrogen fluoride and oxides of carbon

Hazardous Polymerization	May Occur		Conditions to Avoid N/A
	Will Not Occur	X	

Section VI - Health Hazard Data

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

Health Hazards (Acute and Chronic)

Avoid inhalation of the powder or any decomposition products.

Avoid unnecessary exposure and remove material from eyes, skin, and clothing.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	N/A	N/A	N/A

Signs and Symptoms of Exposure

Exposure may cause eye, skin and/or respiratory tract irritation.

Nausea, drowsiness, headache and/or weakness may be caused by prolonged exposure.

Medical Conditions Generally Aggravated by Exposure

N/A

Emergency and First Aid Procedure

In case of contact, flush the area immediately with plenty of water. If swallowed, induce vomiting. If inhaled, remove to fresh air. Contact physician.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled

Contain spill. Sweep or scoop up and remove to suitable container.

If practical, reclaim, reuse or recycle.

Waste Disposal Method

Dispose of waste at a licensed facility in accordance with all applicable local, state and federal laws.

Precautions to be Taken in Handling and Storage

Store material in a cool dry area.

Material should be stored in closed containers in a secure area.

Other Precautions

N/A

Section VIII - Control Measures

Respiratory Protection (Specify Type)

Use NIOSH approved respirator.

Ventilation	Local Exhaust	Special
	Use local, mechanical exhaust ventilation during processing.	
	Mechanical (General)	Other
	N/A	N/A

Protective Gloves

Protective gloves are recommended.

Other Protective Clothing or Equipment

None

Work/Hygienic Practices

Handle in accordance with good industrial hygiene and safety practices.
