

## SECTION I - PRODUCT IDENTIFICATION

Product Name: VRF-2, VRF-4, VRF-HP, VRF-P VELOUR FIBERS

Revision: 12/2000

## SECTION II - HAZARDOUS INGREDIENTS & OTHER COMPONENTS

INGREDIENT CHEMICAL NAME	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	CAS NUMBER
Titanium Dioxide	N/A	N/A	N/A	13463-67-2
Nylon 6,6 Polyamide	N/A	N/A	N/A	32131-17-2
Water, Absorbed	N/A	N/A	N/A	7732-18-5

## SECTION III – PHYSICAL DATA / CONTENTS WITHOUT PROPELLENT

<b>BOILING POINT:</b> N/A	<b>SPECIFIC GRAVITY (H<sub>2</sub>O=1):</b> 1.14@20/20°C
<b>VAPOR PRESSURE (mm Hg):</b> N/A	<b>MELTING POINT:</b> 250°C
<b>VAPOR DENSITY (AIR = 1):</b> N/A	<b>EVAPORATION RATE (Butyl Acetate = 1):</b> N/A
<b>SOLUBILITY IN WATER:</b> Soluble in conc. Formic acid. Not soluble in water, alcohol, xylene, benzene, acetone.	<b>APPEARANCE AND ODOR:</b> N/A

## SECTION IV: FIRE AND EXPLOSION HAZARD DATA

<b>FLASH POINT (METHOD USED):</b> 325°C
<b>FLAMMABLE LIMITS</b> N/A
<b>EXTINGUISHING MEDIA:</b> WATER FOG <input checked="" type="checkbox"/> STANDARD FOAM CO <sub>2</sub> DRY CHEMICAL HALON
<b>UNUSUAL FIRE AND EXPLOSION HAZARDS:</b> Firefighters and others who may be exposed to products of combustion should wear full protective equipment including self-contained breathing apparatus. Fire fighting equipment should be thoroughly decontaminated after use.
<b>SPECIAL PRECAUTIONARY STATEMENTS:</b> N/A

## SECTION V: REACTIVITY DATA

<b>STABILITY:</b> <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable
<b>Incompatibility :</b> N/A
<b>Hazardous Decomposition:</b> Hazardous gases/vapors produced are carbon monoxide, ammonia, traces of hydrogen cyanide antioxides of nitrogen.
<b>HAZARDOUS POLYMERIZATION:</b> May Occur <input checked="" type="checkbox"/> Will not occur
<b>Conditions to Avoid:</b> Avoid packing or storage at temperatures above 80°C (176°F)

## SECTION VI: HEALTH HAZARD DATA

### ROUTES OF ENTRY & HEALTH HAZARDS (ACUTE AND CHRONIC)

<b>INGESTION:</b>	Essentially nontoxic an inert.
<b>EYES:</b>	Dust may cause mechanical irritation.
<b>INHALATION:</b>	Dust may produce mechanical irritation of the mucous membranes of the nose, throat, and upper respiratory tract.
<b>SKIN:</b>	None expected or likely under normal conditions of use.

### EMERGENCY AND FIRST AID PROCEDURES

<b>INGESTION:</b>	No special precautions necessary.
<b>EYES:</b>	Treat as a nuisance dust hazard. Flush eyes with water for 15 minutes. If irritation persists, obtain medical attention.
<b>INHALATION:</b>	Remove to fresh air. Other measures are usually unnecessary. If irritation persists, obtain medical attention.
<b>SKIN:</b>	Treat as a nuisance dust hazard. Flush contaminated skin with soap and water. If irritation persists, obtain medical attention.

## SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE

<b>STEPS TO BE TAKEN IN CASE</b>	Reclaim for processing if possible.
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**LARGE AMOUNTS ARE RELEASED:**

**WASTE DISPOSAL METHOD:**

Material is not a "hazardous waste" as defined in 40CFR 261; therefore, disposal is permitted by landfill or by incineration. Comply with local, state, and federal regulations.

**PRECAUTIONS TO BE TAKEN IN**

**HANDLING AND STORAGE:**

Avoid extreme conditions of heat and humidity. Avoid dust accumulation. Store boxes and bales in accordance with good materials handling practices.

**OTHER PRECAUTIONS:**

N/A

**SECTION VIII: CONTROL MEASURES**

**RESPIRATORY PROTECTION:**

Avoid breathing dust. Use NIOSH/MSHA approved equipment when airborne exposure is excessive. Respiratory protection must comply with 29 CFR 1910.134.

**VENTILATION:**

Local and general exhaust ventilation should be used as needed to prevent irritation and avoid dust accumulation.

**LOCAL EXHAUST:**

N/A

**PROTECTIVE GLOVES:**

None normally required. However, good safety and industrial hygiene practices should be followed.

**EYE PROTECTION:**

None normally required. However, good safety and industrial hygiene practices should be followed.

**SECTION IX: SPECIAL PRECAUTIONS**

<b>HEALTH:</b>	<b>HAZARD RATING KEY</b>
<b>FLAMMABILITY:</b>	0 = MINIMAL
<b>REACTIVITY:</b>	1 = SLIGHT
<b>PERSONAL PROTECTION:</b>	2 = MODERATE
	3 = SERIOUS
	4 = SEVERE
	* = CHRONIC HEALTH EFFECTS

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