

**OSHA-Required Health And Safety Information!**

This Material Safety Data Sheet (MSDS) was requested moments ago from Hercules Automated Fax Information System. Please forward it immediately to the person in charge of MSDS's, or retain it at the machine until claimed.

**Section 1****MATERIAL SAFETY DATA SHEET # 11**  
**Real Tuff****MATERIAL  
SAFETY  
INFORMATION  
SERVICE**

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Meets OSHA 29 CFR 1910.1200

**Section 2 - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity;  
Common Name(s), CAS Numbers)

OSHA PEL

ACGIH TLV

Other Limits

Upper Bound  
Limit if SARA  
Reportable

This product is not classified as hazardous in accordance with OSHA 1910.1200. For product at ambient conditions no known hazards exist. See parts 4 & 5 below for information about polytetrafluoroethylene (9002-84-0) at high temperature conditions.

**HMIS Hazard Rating:** Health: 0 Flammability: 0 Reactivity: 0 Personal Protection: A

**Section 3 - Physical/Chemical Characteristics**

Boiling Point (°F):	Specific Gravity (H <sub>2</sub> O = 1):	Vapor Density (Air = 1):	Vapor Pressure (mm Hg):
N/A	1.56	N/A	N/A
Melting Point (° F):	Evaporation Rate: (Butyl Acetate = 1)	Solubility in Water:	VOC Level (g/l):
620		Insoluble	6
Appearance And Color:	White thixotropic paste	Odor:	None

**Section 4 - Fire And Explosion Hazard Data**

Flash Point:	Flammable Limits:	LEL:	UEL:
N/A	N/A		

**Extinguishing Media:** Dry chemical, foam, carbon dioxide

**Special Firefighting Procedures:**

Use water to cool fire exposed containers. If a leak or spill has not ignited, use water spray to disperse the vapors to provide protection for personnel.

**Unusual Fire And Explosion Hazards:**

Toxic fumes given off above 600° F (315° C)

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**Section 5 - Reactivity Data**

Stability: Stable                      Conditions To Avoid: None.

Incompatibility (Materials To Avoid): Polytetrafluoroethylene not compatible with molten alkali metals.

Hazardous Decomposition: CO<sub>2</sub> and CO form on burning

Hazardous Polymerization: Will not occur

**Section 6 - Health Hazard Data**

Routes of Entry:    Inhalation    N/A                                      Skin    YES/Primary                      Ingestion    YES/Secondary

Health Hazards:  
None

Carcinogenicity:    NTP    NO                      IARC    NO                      OSHA Regulated    NO

Signs And Symptoms of Exposure:

None: Could be mildly irritating to certain persons on prolonged contact.

Medical Conditions Generally Aggravated By Exposure:

None known

Emergency And First Aid Procedures:

SKIN: Wash with soap & water. EYES: As with most foreign materials should eye contact occur, flush eyes with plenty of water & get medical attention. INGESTION: Do not induce vomiting, get medical attention.

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**Section 7 - Precautions For Safe Handling And Use:****Steps To Be Taken In Case Material Is Released Or Spilled:**

Use absorbent material and sweep up.

**Waste Disposal Method:**

Non Hazardous Landfill

**Precautions To Be Taken In Handling And Storing:**

None

**Other Precautions:**

Keep away from direct contact with open flame or sparks.

**Section 8 - Control Measures:****Respiratory Protection:**

N/A

Ventilation: Local Exhaust Normal ventilation  
Mechanical N/A

Special N/A

Other: N/A

Gloves: Rubber gloves

Eye Protection: Goggles or safety glasses

Other Protective Clothing: None required

Work/Hygienic Practices Wash up after handling the material.



**F**ACTS  
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*For Hercules Material Safety Data Sheets by fax anytime, day or night, just call 1-800-942-INFO (1-800-942-4636) from any Touch-Tone phone. Have your fax number ready. Checking the product label for the correct MSDS # will save time.*