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## **MATERIAL SAFETY DATA SHEET:**

### **RM-PE1 (UD UHMW POLY ETHYLENE)**

#### **1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING:**

1. Product Name: RM-PE1 *UD-PE, UD UHMWPE*
2. Company: Veterans MFG®
3. Emergency Telephone: +1-832-437-3869
4. Use: Soft armor, hard armor, armor panels, armor plates, armor sheets, anti-ballistic products, medical grade products, textiles, indoor/outdoor, structural & personal.

#### **2. HAZARD IDENTIFICATION:**

1. Color: White/off-white
2. PH: No data available
3. Water solubility: negligible
4. Incompatibility: Strong oxidizing agents
5. Hazardous decomposition: Carbon Monoxide, Carbon Dioxide, selected Alkanes and Aldehydes including Acrolein and Formaldehyde
6. Melting Point: 140C

#### **3. COMPOSITION/INFORMATION ON INGREDIENTS:**

1. Polyethylene CAS: 9002-88-4 -- Weight >99%, waxy solid waxy odor

#### **4. FIRST AID MEASURES:**

1. Inhalation: If large amounts of dust are inhaled, remove to fresh air, if breathing is difficult give oxygen. Seek medical attention immediately.
2. Skin Contact: If irritation occurs, flush area thoroughly with water. Wash off with soap and water, seek medical attention if irritation develops and persists.
3. Eye contact: Flush eyes with water at least 15 minutes. Get medical attention if eye irritation develops or persists.
4. Ingestion: Not a probable route of exposure. However, in case of accidental ingestion, call a physician.

#### **5. FIRE FIGHTING MEASURES:**

##### **Extinguishing media**

1. Suitable extinguishing media: Water fog, water spray, foam, dry chemical, carbon dioxide (CO<sub>2</sub>)
2. Auto flashpoint >350 °C (662 °F)
3. Special protective equipment for firefighters: Wear self-contained breathing apparatus (SCBA). Wear full protective equipment. Evacuate personnel and keep upwind of fire.

#### **6. HANDLING AND STORAGE**

Precautions for safe handling Advice on safe handling: Store avoiding ultra-violet light