

**MATERIAL SAFETY DATA SHEET**  
For Coatings, Resins and Related Materials  
October 7, 1999

XM-02-X

**SECTION I - PRODUCT IDENTIFICATION**

**Manufacturer:** XM Division  
Van Aken International  
9157 Rochester Court, P.O. Box 1680  
Rancho Cucamonga, CA 91729-1680

**Information Phone:** (909) 980-2001  
**Emergency Phone:** (909) 980-2001

**Product Class:** Non-hazardous Polymer Mixture  
**Trade Name:** TNT Explosive Simulant  
**Product Code:** XM-02-X

**SECTION II - HAZARDOUS INGREDIENTS**

None

**SECTION III - PHYSICAL DATA**

**Melting Point:** 140° F  
**Boiling Range:** Not Determined  
**Evap. Rate:** Not Applicable  
**Volatile Volume:** None  
**Appearance:** Dark gray – may be packaged as a solid cylinder or small flake pieces

**Vapor Density:** Not Applicable  
**Specific Gravity:** Not Applicable  
**Density:** 1.48g/cc

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

**Flammability Class:** Not Applicable  
**Extinguishing Media:** Carbon dioxide or dry chemical media for small fires  
**Special Fire Fighting Procedures:** None  
**Unusual Fire & Explosion Hazards:** None

**Flash Point:** Open Cup, 525° -575°F

**SECTION V - HEALTH HAZARD DATA**

**Primary Route Of Exposure:**      **Inhalation:** Yes      **Skin Absorption:** No      **Ingestion:** Yes  
**Effects Of Overexposure:** None Known  
**First Aid:**

**Ingestion:** If a large quantity (several ounces) has been swallowed, and if patient is fully conscious, give two glasses of water. Induce vomiting. This should be done only by medical or experienced first aid personnel. Obtain medical attention.

**Eye Contact:** Flush eyes thoroughly with water for several minutes

**Skin Contact:** Wash with soap and warm water

**Inhalation:** If dusts of this product are inhaled, mild irritation of the nose and upper respiratory system may develop. Symptoms of such overexposure may include sneezing, coughing, and nasal congestion. These symptoms are generally alleviated after overexposure ends.

## SECTION VI - REACTIVITY DATA

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

**Hazardous Decomposition Products:** Combustion may yield carbon monoxide and/or carbon dioxide

**Incompatibility:** None

**Conditions To Avoid:** Extreme heat

## SECTION VII - SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled:** Soak up small spills with absorbent material.

**Waste disposal method:** In accordance with local, county, state, and federal regulations

## SECTION VIII - SPECIAL PROTECTION INFORMATION

**Respiratory Protection:** None expected to be needed

**Ventilation:** Use in a well-ventilated area

**Protective Gloves:** When melting material, use heat resistant protective gloves

**Eye Protection:** Not normally needed

**Other Protective Equipment:** None

## SECTION IX – SPECIAL PRECAUTIONS

**Precautions to be taken in handling and storing:** Store in cool, dry , place. Avoid extreme heat. Practice reasonable care and caution.

**Other Precautions:** None

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