

**TRI-ESS SCIENCES**  
**1020 W. CHESTNUT STREET, BURBANK, CA 91506**  
**24 hour Emergency: 800-535-5053**

## **MATERIAL SAFETY DATA SHEET (MSDS)**

### **SECTION I—PRODUCT IDENTIFICATION**

**PRODUCT NAME:** SAFETY FUSE  
**MANUFACTURERS NAME:** AMERICAN VISCO FUSE, INC.  
11984 TELEGRAPH RD.  
CARLETON, MI 48117

**EMERGENCY TELEPHONE NUMBER:** 313-654-6036  
**TELEPHONE NUMBER FOR INFORMATION:** 313-654-6036  
UPDATED-April 4 2014

### **SECTION II – HAZARDOUS INGREDIENTS**

BLACK POWDER - (POTASSIUM NITRATE, CHARCOAL, SULFUR)  
**NOTE:** The black powder is enclosed in thread wrapping and coated with a water resistant lacquer. No pyrotechnic composition is exposed.  
SAFETY FUSE IS CLASSIFIED AS FUSE, SAFETY, UN0105, PG BY D.O.T.

### **SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS**

**BOILING POINT:** N/A  
**SPECIFIC GRAVITY:** N/A  
**VAPOR PRESSURE: (mm Hg):** N/A  
**MELTING POINT:** N/A  
**VAPOR DENSITY (AIR=1):** N/A  
**EVAPORATION RATE (Butyl Acetate=1):** N/A  
**SOLUBILITY IN WATER:** SLIGHT  
**APPEARANCE AND ODOR:** TWISTED THREAT COATED WITH GREEN OR RED LAQUER

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

**FLASH POINT (Method Used):** IGNITION TEMP: 330°C  
**FLAMMABLE LIMITS:** N/A      **LEL:** N/A      **UEL:** N/A  
**EXTINGUISHING METHOD:** FLOOD WITH WATER

**SPECIAL FIRE FIGHTING PROCEDURES:** SUFFOCATION METHODS WILL NOT WORK.  
DO NOT CONFINE BULK AMOUNTS OR BURNING FUSE - ALLOW IT TO BURN OPEN.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** END OF A SECTION OF FUSE CAN BE  
IGNITED BY A MATCH, CIGARETTE OR OTHER BURNING OBJECT.

### **SECTION V—REACTIVE DATA**

**STABILITY:** STABLE  
**CONDITIONS TO AVOID:** NO SMOKING OR OPEN FLAMES IN VICINITY OF REELS OF

FUSE

**INCOMPATIBILITY (MATERIALS TO AVOID):** EXPLOSIVE MATERIALS  
**HAZARDOUS DECOMPOSITION OR BY PRODUCTS:** BURNING FUSE PRODUCES  
CARBON DIOXIDE AND SOME CARBON MONOXIDE.  
**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

## **SECTION VI—HEALTH HAZARD DATA**

**ROUTES OF ENTRY:** N/A  
**HEALTH HAZARDS (ACUTE & CHRONIC):** N/A

**CARCINOGENICITY:** N/A

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** N/A

**EMERGENCY AND FIRST AID PROCEDURES:** N/A

## **SECTION VII—SPECIAL HANDLING INFORMATION**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**  
FUSE CAN BE PICKED UP AND REWOUND.

AVOID SMOKING OR OPEN FLAME IN VICINITY OF ANY FUSE.

**WASTE DISPOSAL METHOD:** BURN IN COMPLIANCE WITH FEDERAL AND  
LOCAL REGULATIONS.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:**  
AVOID SMOKING OR OPEN FLAMES. KEEP FUSE DRY TO INSURE PROPER  
FUNCTIONING.

## **SECTION VIII—CONTROL MEASURES**

**RESPIRATORY PROTECTION:** NONE REQUIRED

**VENTILATION:** NONE REQUIRED

**PERSONAL PROTECTION:** NONE REQUIRED

**WORK/HYGENIC PRACTICES:** NO SMOKING, MATCHES OR FLAMES IN VICINITY  
OF FUSE

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