



FIRE Retardants Inc.

The Decision You Make May Save A Life!

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MATERIAL SAFETY DATA SHEET FOR COATINGS, RESINS, AND RELATED MATERIALS

DATE OF PREP: November 12, 2003

SECTION I

EMERGENCY TELEPHONE NUMBER: 800-535-5053 (for emergency info only)

PRODUCT CLASS: Varnish

MANUFACTURER'S CODE IDENTIFICATION:

No. 167 Class "A" Low-Gloss Fire

Retardant Varnish Overcoat for No. 166

SECTION II – HAZARDOUS INGREDIENTS

INGREDIENT	Percent	ACGIH TLV PPM	OSHA PEL PPM	LEL	Vapor Pressure
Mineral Spirits CAS 64742-88-7	51-56	NE*	NE*	1.1	2.0
Calcined Siliceous Earth CAS 68855-54-9	5-10	NE	NE	NA	NA
The above product may contain up to 63% cristobalite CAS 14464-46-1 (Crystalline Silica)		0.05 mg/m3 (RESPIRABLE CRISTOBALITE)	0.05 mg/m3 (RESPIRABLE CRISTOBALITE)		
Antimony Oxide CAS 1314-60-9	1.3	NE	0.5 mg/m3 as Sb	NA	NA
*(Stoddard Solvent		100	100)		

SECTION III

PHYSICAL DATA

Boiling Range: 318-386F
Evaporation Rate: Slower than ether
Weight Per Gallon: 7.8 lbs.

Vapor Density: Heavier than air
Percent Volatile by Volume: 67
V.O.C. 4.4 lbs./gl. (527 g/L)

SECTION IV

FIRE AND EXPLOSIVE HAZARD DATA

DOT CATEGORY: Paint
Combustible liquid UN 1263
HMIS INDEX: H=2, F=2, R=0

FLASH POINT; 100F (37.8C) Closed Cup
LEL: 0.7

EXTINGUISHING MEDIA:

Foam, carbon dioxide, dry chemical.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

This material is combustible and may be ignited by heat, sparks, flame and static electricity.

SPECIAL FIRE FIGHTING PROCEDURES:

Water not ordinarily effective, solid hose streams tend to spread fire.

SECTION V**HEALTH HAZARD DATA**

THRESHOLD LIMIT VALUE: Section II

EFFECTS OF OVEREXPOSURE:

Irritating to eyes, defatting to skin; rated slight irritant.

Notice: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the vapors may be harmful or fatal. Medical conditions which may be aggravated: Pre-existing upper respiratory and lung disease such as, but not limited to bronchitis, emphysema, asthma.

Chronic Health Effect: Crystalline silica has been classified as carcinogenic for humans (1) by IARC. It has not been classified as a carcinogen by NTP or OSHA. Crystalline silica is also a known cause of silicosis, a noncancerous lung disease caused by excessive exposure to crystalline silica.

Primary Entry Route(s): Inhalation.

EMERGENCY AND FIRST AID PROCEDURES:

Remove from further exposure, flush affected skin area with water or mild soap and water, flush eyes with gentle stream of water. See a doctor.

SECTION VI**REACTIVITY DATA**

STABILITY: Stable

CONDITIONS TO AVOID: Excessive heat, sparks, open flame.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong acids or bases, oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VII**SPILL OR LEAK PROCEDURES****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Wipe up immediately and discard saturated absorbents. In event of large spills, dike area and pump material into waste tank, remove any source of ignition, avoid breathing of vapors.

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state and federal regulations.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Self contained breathing equipment, air respirator or air mask where there is an oxygen deficiency.

VENTILATION:

Local Exhaust: Explosion proof type.

PROTECTIVE CLOVES: Yes

EYE PROTECTION: Chemical safety goggles or face shield.

OTHER PROTECTIVE EQUIPMENT: All motors and switches should be explosion proof.

SECTION IX SPECIAL PRECAUTIONS:

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Material is classified as a combustible liquid. Keep away from heat and open flame. Use with adequate ventilation. Avoid contact with skin. Do not store at temperatures above 100F.

OTHER PRECAUTIONS: Avoid skin contact and breathing of vapors and sanding dust. Use with adequate ventilation.

Section 313 Supplier Notification

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

CAS #	Chemical Name	Percent by Weight
1314-60-9	Antimony Oxide	1-3

Toxic Substances Control Act (TSCA) Inventory Status;
All materials are listed on the EPA TSCA Inventory of Chemical Substances.

The information contained herein is based on the data available to us and is believed to be correct. However we make no warranty expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof. Fire Retardants Inc. assumes no responsibility for injury from the use of the product described herein.
