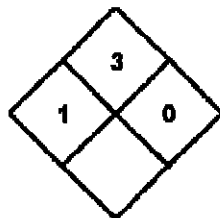


# MATERIAL SAFETY DATA SHEET

ALPHA METALS  
600 Route 440  
Jersey City, NJ 07304  
Telephone: 201-434-6778



NUMBER: 1

REVISION: 08/27/97

## SECTION I - GENERAL INFORMATION

PRODUCT NAME (NUMBER) **611 Mildly Activated Rosin Flux**

CHEMICAL FAMILY Mixture.

D.O.T. HAZARD CLASS Flammable liquid.

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENTS	CAS NUMBER	WEIGHT PERCENT	OSHA PEL	ACGIH TLV
Isopropyl Alcohol	67-63-0	55-65	400 ppm Stel 500 ppm	400 ppm Stel 500 ppm
Rosin	8050-09-7	30-40	*	*

Sensitizer, reduce exposure as low as possible.

## SECTION III - PHYSICAL DATA

(PUBLISHED or ESTIMATED VALUES)

BOILING POINT Deg. F. (760 mm Hg)	180	SPECIFIC GRAVITY (H <sub>2</sub> O=1) (@ 77 deg F)	0.896
VAPOR PRESSURE (mm Hg AT 20 Deg. C.)	33	% VOLATILE by WEIGHT	63
VAPOR DENSITY (AIR=1)	2.1	EVAPORATION RATE(BUAC = 1)	2.8
SOLUBILITY IN WATER	Slight	pH	NA
APPEARANCE AND ODOR	Clear, amber colored liquid; non-residual odor.		

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

ESTIMATED FLAMMABLE LIMITS (% By Volume in Air) LEL:2.0 UEL:12.0

FLASH POINT Deg. F. T.C.C. 62 (17 deg C.).

EXTINGUISHING MEDIA Carbon dioxide or dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES Use NIOSH approved self-contained breathing apparatus in enclosed area.

UNUSUAL FIRE AND EXPLOSION HAZARD None.

## SECTION V(a) - HEALTH HAZARD DATA

### (Symptoms/Effects of Overexposure)

**INHALATION:** Exposure to rosin smoke may cause dizziness and headache. May also cause an allergic reaction such as throat and respiratory irritation and damage.

**INGESTION:** Can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**SKIN:** Prolonged or repeated contact can cause defatting dermatitis. May also cause an allergic skin reaction such as a rash.

**EYES:** Can cause severe irritation, tearing, blurred vision.

**LISTED CARCINOGENS:** None

**MEDICAL CONDITIONS POSSIBLY AGGRAVATED:** See Section X.

## SECTION V(b) - HEALTH HAZARD DATA

### (Emergency & First Aid Procedures)

**INHALATION** If affected, remove individual to fresh air. If breathing is difficult, administer oxygen.

**INGESTION** Call physician or Poison Control Center immediately. Never give anything by mouth to an unconscious person.

**SKIN CONTACT** Wash exposed area with soap and water. Remove contaminated clothing.

**EYE CONTACT** Flush with large amounts of water, lifting upper and lower lids occasionally. Get medical attention.

## SECTION VI - REACTIVITY DATA

**STABILITY** **CONDITIONS** Heat, sparks and open flames.  
**STABLE: X UNSTABLE:** **TO AVOID**

**INCOMPATIBILITY** Strong oxidizing agents.  
**(Materials to Avoid)**

**HAZARDOUS** Thermal decomposition may produce CO, abietic acid,  
**DECOMPOSITION** aliphatic aldehydes, terpenes and other acids.  
**PRODUCTS**

**HAZARDOUS POLYMERIZATION** **CONDITIONS TO**  
**WILL OCCUR: WILL NOT OCCUR: X** **AVOID** None

## **SECTION VII - SPILL or LEAK PROCEDURES**

### ***STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED***

Keep away from potential ignition sources. Ventilate if in enclosed area. Add absorbent and scoop into appropriate container. Transfer to hood and evaporate or seal for waste disposal.

**WASTE DISPOSAL** Destroy by approved incineration or deposit in approved landfill.

*Must be in accordance with Federal, State, and Local Laws and Regulation*

## **SECTION VIII - SPECIAL PROTECTION**

**RESPIRATORY** If threshold limit value is exceeded or ventilation is not adequate to remove smoke from the breathing zone, then a NIOSH approved, cartridge type respirator should be worn.

**EYEWEAR** Chemical splash goggles in compliance with OSHA regulations are advised. Provide eye bath near work site.

**CLOTHING/GLOVES** Wear resistant gloves such as rubber, neoprene or plastic.

**VENTILATION** Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLVs.

## **SECTION IX - SPECIAL PRECAUTIONS**

### **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Observe precautions for a flammable liquid. Keep container closed when not in use. Store away from ignition sources. Store in cool dry area. Store in area with adequate ventilation. Read all container labeling.

Avoid the use of brass drum spigots. Use polyethylene, polypropylene, teflon or stainless steel.

### **OTHER PRECAUTIONS:**

**CONTAINERS:** Since empty containers may retain product residues (vapor, liquid, or solid) : If labeled hazard precautions must be observed. **FOR INDUSTRIAL USE ONLY. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.**

## SECTION X - ADDITIONAL INFORMATION

HEALTH HAZARD DATA: (continued)  
MEDICAL CONDITIONS POSSIBLY AGGRAVATED:  
Chemical hypersensitivity and diseases of the lungs.

### REGULATORY INFORMATION

Toxic Substance Control Act (TSCA) Status:  
All ingredients of this product are listed on the TSCA inventory.

SARA TITLE III (Section 313):  
Components present in this product at a level which could require  
reporting under the statute are:  
None

## EMERGENCY TELEPHONE NUMBER

CHEMTREC	1-800-424-9300	DAY or NIGHT
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