

Material Safety Data Sheet
May be used to comply with
SHA's Hazard Communication Standard,
3 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072



IDENTITY (As Used on Label and List) **LAB-METAL**
Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I
Manufacturer's Name
Alvin Products, Inc.
Address (Number, Street, City, State, and ZIP Code)
20-22 Houghton Street
Worcester, MA 01613-0942
Emergency Telephone Number
(508) 754-8604
Telephone Number for Information
December 12, 1988
Date Prepared
Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s)) OSHA PEL ACGIH TLV Other Limits Recommended % (optional)
* Methyl Ethyl Ketone CAS 78-93-3 200ppm Less than 10%
* Toluene CAS 108-88-3 100ppm Less than 10%

(SEE ATTACHED SHEET FOR SARA TITLE III NOTIFICATION AND ADDITIONAL HEALTH DATA.)

Section III — Physical/Chemical Characteristics

Boiling Point MEK 176°F Specific Gravity (H₂O = 1) MEK 0.805
TOLUENE 231°F TOLUENE 0.900
Vapor Pressure (mm Hg) MEK 71.2@20°C Melting Point 660°C
TOLUENE 36.7@30°C
Vapor Density (AIR = 1) Evaporation Rate (Butyl Acetate = 1) 572 240
Solubility in Water MEK: More than 10% TOLUENE: Less than 0.1%

Appearance and Odor
Clear Liquids: MEK-Pungent odor
TOLUENE-Aromatic odor

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used) MEK = 20°C Lower Upper
TOLUENE = 40°C LEL 1.8 UEL 11.5
Extinguishing Media CO₂, dry chemical, foam
Special Fire Fighting Procedures None

Unusual Fire and Explosion Hazards None

(Reproduce locally)

OSHA 174, Sept. 1985

Section V — Reactivity Data

Stability
Unstable
Stable
Conditions to Avoid
Open flame
Incompatibility (Materials to Avoid)
X
Open flame, water, heat, sparks, strong oxidizing agents.
Hazardous Decomposition or Byproducts
Aluminum reacts with water, acids, or alkali to form combustible hydrogen gas.
Hazardous Polymerization
May Occur
Conditions to Avoid
Will Not Occur
X
Open flame

Section VI — Health Hazard Data

Routes of Entry
Inhalation? High concentrations. Skin? Repeated skin contact can cause irritation. Ingestion? Liquid is moderately toxic & may be harmful if swallowed. May produce depression.
Health Hazards (Acute and Chronic)
IRRITANT
Cardiotoxicity
NTP? NO
IARC Monographs? NO
OSHA Regulated? NO

Signs and Symptoms of Exposure

Slight nose and eye irritation, possible narcosis under high exposure.

Medical Conditions
Generally Aggravated by Exposure
Slight nose and eye irritation, possible narcosis under high exposure.

Emergency and First Aid Procedures

Remove from exposure.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled
Wipe or scrape up spilled material.

Use local exhaust when using large amounts in confined areas. Avoid sparks and open flames.

Waste Disposal Method

When solvent has evaporated-dry hard material disposable by ordinary means.

Precautions to Be Taken in Handling and Storing

Store in clean dry area at normal temperatures. Below freezing temperatures increase viscosity of Lab-Metal making it difficult to apply.

Other Precautions

N/A

Section VIII — Control Measures

Respiratory Protection (Specify Type)

Use in well ventilated area-avoid prolonged breathing of vapors
Local Exhaust When using large amounts in confined area
Mechanical (General) None
Other None

Protective Gloves

Not required if properly applying
Eye Protection
Near eye protection
Other Protective Clothing or Equipment
Not required

Work/Hygiene Practices

Use normal good hygienic practices.

ATTACHMENT FOR LAB-METAL

The acceptable ceiling concentration for toluene is 300 ppm. Acceptable maximum peak above the acceptable ceiling concentration for an 8 hour shift is 500 ppm for 10 minutes for toluene.

All chemical compounds marked with an asterisk () are toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372. You must notify each person to whom this mixture or trade name product is sold. This statement must remain a part of this Material Safety Data Sheet. This statement must not be detached. Any copy or redistribution of this Material Safety Data Sheet shall include this statement.