



1. COMPANY AND PRODUCT IDENTIFICATION

CIBA-GEIGY CORPORATION
FORMULATED MATERIALS
5121 W SAN FERNANDO ROAD
LOS ANGELES, CALIFORNIA 90039-1011

EMERGENCY PHONE NUMBERS:
SAFETY & HEALTH: (818) 247-6210
24 HOURS: (800) 888-8372
FAX: (818) 507-0167

PRODUCT NAME:

LMB 7081

PRODUCT CODE:

FPC3194

CHEMICAL NAME OR SYNONYMS:

Epoxy resins in solvent

MSDS CODE:

QL0594

DATE ISSUED:

02/09/96

SUPERSEDES DATE:

11/07/95

2. INGREDIENT INFORMATION

CHEMICAL IDENTITY

Propylene glycol methyl ether acetate
Epoxy resin
Inorganic carbonate

Table with 5 columns: CAS NUMBER, FPC, OSHA, ACGIH, TLV LIMITS. Rows for Propylene glycol methyl ether acetate, Epoxy resin, and Inorganic carbonate.

These chemicals are not considered to be carcinogenic by NTP, IARC, or OSHA.

COMMENTS: NE - NOT ESTABLISHED, NA - NOT AVAILABLE.

3. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:

Red color liquid, Typical solvent odor

VISCOSITY:

~ 650 cps @ 25° C

BOILING POINT:

140° - 145° C

VAPOR PRESSURE (mm Hg):

2.17 @ 20° C

VAPOR DENSITY (AIR = 1):

> 1

SOLUBILITY IN WATER:

Slight

PERCENT VOLATILE (BY WEIGHT):

~45

SPECIFIC GRAVITY (WATER = 1):

1.15

EVAPORATION RATE (BUTYL ACETATE = 1):

< 1

4. FIRE FIGHTING INFORMATION

FLASH POINT:

42° C Closed Cup

EXTINGUISHING MEDIA:Foam, CO₂, Dry chemical, Water spray.**SPECIAL FIRE FIGHTING PROCEDURES:**

Wear breathing apparatus (MSHA/NIOSH-approved, pressure demand, self-contained or equivalent.) and full protective gear. A solid stream of water can cause frothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Decomposition and combustion products may be toxic. Avoid the use of a stream of water to control fire since frothing can occur.

5. STABILITY AND REACTIVITY

STABILITY:

Stable

CONDITIONS TO AVOID:

Heat

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide, carbon dioxide, and oxides of nitrogen.

HAZARDOUS POLYMERIZATION:

May occur

CONDITIONS TO AVOID (HAZARDOUS POLYMERIZATION):

Heat

INCOMPATIBILITY:

Strong oxidizing agents

6. HAZARD INFORMATION

HAZARD RATING:**TOXICITY: 2 FIRE: 2 REACTIVITY: 1 SPECIAL: NA**

4 = EXTREME; 3 = HIGH; 2 = MODERATE; 1 = SLIGHT; 0 = SIGNIFICANT; * = SEE SECTION 12

PRIMARY ROUTES OF ENTRY:

Dermal or Inhalation

EFFECT OF OVEREXPOSURE:**INHALATION:**

Vapor or mist will severely irritate the nose and throat and cause dizziness and loss of coordination.

EYE CONTACT:

Liquid or vapor can cause substantial irritation to eyes.

SKIN:

Substance can cause moderate irritation to skin.

INGESTION:

Possibly harmful if swallowed.

DELAYED EFFECTS:

Prolonged or repeated exposure can cause allergic reaction.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Allergy, eczema, eye or respiratory conditions.

7. FIRST-AID INFORMATION

EMERGENCY AND FIRST AID PROCEDURES:**INHALATION:**

Move subject to fresh air. Give oxygen if breathing is difficult.

EYE AND SKIN CONTACT:

Flush eyes with a large amount of water for at least 15 minutes. Get prompt medical attention. Wash skin thoroughly with soap and water. Remove and wash clothing before reuse.

INGESTION:

If swallowed dilute by giving 2 glasses of water to drink. See a physician. Never give anything by mouth to an unconscious person.

8. SPILL AND LEAK INFORMATION

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Eliminate ignition sources. Ventilate area. Avoid breathing vapor. Evacuate the spill area. Wear full protective equipment. Dike and absorb spill with inert material. Transfer to containers suitable for disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Thoroughly launder clothing before reuse. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water. If spilled on a porous surface, ground contamination must be considered.

9. DISPOSAL INFORMATION

WASTE DISPOSAL METHODS:

For discard this is a hazardous waste. RCRA # D-001 IGNITABLE. Reportable quantity 100 lbs. (CERCLA (SUPERFUND) Sec. 103). Incinerate liquid; landfill or incinerate contaminated diking material in accordance with local, state, and federal regulations.

10. EXPOSURE CONTROLS/PERSONAL PROTECTION INFORMATION

VENTILATION TYPE:

Mechanical local exhaust ventilation at point of contaminant release.

RESPIRATORY PROTECTION:

Wear respirator (MSHA/NIOSH) suitable for concentrations and types of air contaminants encountered.

PROTECTIVE GLOVES:

Impervious gloves

EYE PROTECTION:

Chemical splash goggles (ANSI Z-87.1)

OTHER PROTECTIVE EQUIPMENT:

Protective clothing, Safety shower, and eyewash facility.

11. HANDLING AND STORAGE INFORMATION

STORAGE TEMPERATURE:

MAXIMUM 35° C

Store away from excessive heat (e.g., steampipes, radiators), from sources of ignition and from reactive materials. Do not store near food or feed. Corrosive to copper and brass on long term storage. Avoid all eye and skin contact.

PLEASE READ TECHNICAL DATA SHEET BEFORE HANDLING THE PRODUCT.

12. TOXICOLOGICAL INFORMATION

IRRITATION:

EYES - Substantial.

SKIN - Moderate and potential sensitizer.

For LMB 7081:

ORAL LD 50: >5000 mg/Kg (rat)

NOTE TO PHYSICIAN:

Allergic dermatitis or respiratory response in susceptible individuals may be delayed. It may appear after weeks or even months of frequent and prolonged contact.

13. TRANSPORT INFORMATION

DOT/IATA SHIPPING/PACKAGING INFORMATION:

This product is regulated for transport purpose and classified as flammable liquid.

14. FEDERAL REGULATORY INFORMATION

TOXIC SUBSTANCE CONTROL ACT (TSCA):

INVENTORY STATUS:

Chemical components listed on TSCA inventory.

COUNTRY OF ORIGIN:

This product is manufactured in Switzerland.

SARA TITLE III - TOXIC CHEMICAL LIST:

This product does not contain toxic chemicals subject to the routine annual "Toxic Chemical Release Notification" under Section 313 (40 CFR 372).

RCRA STATUS:

D-001 IGNITABLE, RQ 100 lbs.

CERCLA STATUS:

Not Established.

15. STATES REGULATORY INFORMATION

CALIFORNIA RIGHT TO KNOW ACT (PROPOSITION 65):

The following is required statement.

WARNING !!!

This product contains a chemical known to the state of California to cause cancer.

CHEMICAL NAME

% BY WEIGHT

Crystalline silica, quartz

~0.070

CALIFORNIA SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 443.1:

VOLATILE ORGANIC COMPOUNDS:

This product contains 520* gm/liter Volatile Organic Compounds. (VOC) * - Estimated value.

PENNSYLVANIA RIGHT TO KNOW ACT:

The following is require composition information.

This product contains:

- (1) Propylene glycol methyl ether acetate
- (2) Epoxy resin
- (3) Inorganic carbonate

16. OTHER INFORMATION

AUSTRALIA (AICS):

Not Established.

CANADA (DSL OR NDSL):

Not Established.

EUROPEAN COMMUNITIES (EINECS):

Not Established.

JAPAN (MITI):

Not Established.

REVISED SECTIONS: 2, 3, 4, 12, 15

REVISION NUMBER: 01F

PREPARED BY: RAJESH S. PATEL

SUPERSEDES DATE: NOVEMBER 07, 1995

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IMPORTANT MESSAGE!!!

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE THEREOF.

CIBA-GEIGY CORPORATION ASSUMED NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO VENDEES, USERS, OR THIRD PARTIES CAUSED BY THE MATERIAL. SUCH VENDEES OR USERS ASSUME ALL RISKS ASSOCIATED WITH THE USE OF THE MATERIAL.

HAZARD STATEMENT!!!

THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.

THIS PRODUCT IS CONSIDERED TO BE A HAZARDOUS CHEMICAL UNDER THAT STANDARD.
