



# MATERIAL SAFETY DATA SHEET

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## 1- COMMERCIAL NAME : Lab 1000

*Do not handle this material until the manufacturer's safety precautions have been read and understood! Regulations require that all employees be educated & trained on the Material Safety Data Sheets for all products with which they come in contact.*

## 2- COMPOSITION/INFORMATION ON INGREDIENTS :

- Thermoset obtained by polymerization in the stoichiometric report between 4,4'-Diisocyanate of diphenylmethane (CAS No. 101-68-8) and polyether polyols (100%)

## 3- HAZARDS IDENTIFICATION :

- None; nevertheless, machining can produce dust which can be irritating to the skin, eyes, and/or upper respiratory tract.

## 4- FIRST AID MEASURES :

- **Change any soiled clothing immediately.**
- **In case of eye contact (dust) :** open eyelids as far as possible and flush with large quantities of water for at least fifteen minutes. Contact physician, preferably an eye specialist, if irritation occurs.
- **In case of skin contact (dust) :** physically remove the product and wash skin thoroughly with soap and water. Consult a physician if skin irritation occurs.
- **In case of swallowing (dust) :** non-hazardous; seek medical attention if after-effects occur.
- **In case of inhalation :** remove the patient from the contaminated area. Consult physician if after-effects occur.

## 5- FIRE-FIGHTING MEASURES :

### 5-1 Fire-extinguisher types :

- Use : chemical foam, CO<sub>2</sub>, powder. Where the fire is of major proportions, water spray may also be used.

### 5-2 Specific fire and explosion risks :

- May generate dust during machining which may become flammable or explosive. In case of fire, this product may generate oxides of carbon, incomplete combustion of organic residue and hydrogen cyanide traces.

### 5-3 specific protective measures during firefighting :

- Firefighting personnel should be equipped with insulated, autonomous respiratory protection equipment.

**COMMERCIAL NAME : Lab 1000****6- ACCIDENTAL RELEASE MEASURES :****6-1 Individual protection :**

Wearing of suitable protective clothing and protective equipment for face/eyes. Wear NIOSH approved dust mask if dust filled environment; ensure adequate ventilation.

**6-2 Environmental protection :** Please see § 12

**6-3 Decontamination procedures :**

- After machining, physically remove dust by wiping and/or vacuuming.

**7- HANDLING AND STORAGE :****7-1 Handling :**

- Inform personnel of risks associated with the product, the precautions to be taken and procedures to follow where an accident occurs.
- Avoid static electricity formation.
- Do not smoke during machining.
- Observe personal hygiene rules to avoid contact with eyes and skin.
- Avoid inhalation of dust when/if formed during machining; use of a dust collector system recommended.
- Install showers and eye baths ("fountain" type).
- General ventilation in the area should be sufficient (fan-driven).
- Wash hands thoroughly at beginning of every work break and at the end of the working day.
- Work stations and the general working area must be kept perfectly clean.

**7-2 Storage :**

- Keep the material hermetically sealed in its original packaging, protected from humidity and at a temperature between 59 and 77°F / 15 and 25°C.

**8- EXPOSURE CONTROLS/PERSONAL PROTECTION :****8-1 Exposure controls :**

- Always maintain airborne contaminants in the workplace at the lowest possible levels.

**8-2 Personal protection :**

- respiratory protection : Yes, wear a NIOSH approved dust mask during machining.
  - eye protection : YES, safety glasses with side shields and/or goggles to prevent dust entry
  - skin protection : YES, protective gloves, such as nitrile, latex or rubber
- Do not mix work clothing and normal/everyday clothing. Wash hands thoroughly at the beginning of every work break and at the end of the working day.
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**COMMERCIAL NAME : Lab 1000**

**9- PHYSICAL AND CHEMICAL PROPERTIES :**

**Physical state :** solid

**Color :** gray

**pH :** not established

**Flash point :** n/a (avoid the formation of dust cloud)

**Decomposition temperature :** > 200°C

**Density :** 1.67

**Solubility :** in water : at 68°F / 20°C : no

**10- STABILITY AND REACTIVITY :**

**10-1 Dangerous decomposition by-products :**

- These are non-existent if storage and handling rules are followed (please see also § 5-2).

**10-2 Hazardous reactions with :**

- None

**11- TOXICOLOGICAL INFORMATION :**

**Effects on eyes :** may cause irritation by mechanical effect.

**Effects on skin :** none

**Effects of inhalation :** dust may cause a temporary irritation to the upper respiratory tract, otherwise, no foreseeable harmful effects.

**Effects on ingestion :** none

**12- ECOLOGICAL INFORMATION :**

**Based on data for one or more similar products :**

- Stable, unfusible, insoluble thermoset and non-dangerous to the environment.

**13- DISPOSAL CONSIDERATIONS :**

All disposal methods must be in compliance with all Federal, State/Provincial and local regulations. Regulations may vary in different locations. Waste characteristics and compliance with applicable laws are the responsibility solely of the waste generator.

**COMMERCIAL NAME : Lab 1000****14- TRANSPORT INFORMATION :****DOT Regulations/Information:**

- Not covered by official regulations

**Internal label:** H0002000**15- REGULATORY INFORMATION :****US Federal Regulation**Toxic Substances Control Act (TSCA):

All components are included in the EPA Toxic Substances Control Act Chemical Substance Inventory.

OSHA Hazard Communication Standard hazard classes:**Non-hazardous** under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

Irritant 1.0.0.

OSHA PEL/TWA : noneACGIH TLV/TWA : noneSec. 313 Chemicals : none**16- OTHER INFORMATION :****HMIS Ratings:****Health. Flammability. Reactivity**

1.0.0.

Ratings Key: 4 = Highest hazard, 0 = Lowest hazard, \* = Chronic Health Hazard

REVEALING MODIFICATION : B1.PDF

Revised : 12/21/2006 Supersedes sheet : 2/13/2001 This sheet provides a complement to the product use instructions but does not replace them. The information it contains is based on our current knowledge of the product concerned at the date of drafting. That information is given in good faith and does not in any circumstances remove from the user his duty to be aware of and to follow all legal regulations and statutes covering his activities. The user takes sole responsibility for application of safety measures covering the use of the product he is aware of. We also draw the user's attention to the risks attached to any use of the product for applications for which it was not designed.  
03/2006