



# MATERIAL SAFETY DATA SHEET

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## 1- COMMERCIAL NAME : Lab 1188

*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 :

CHEMICAL NAME	C.A.S	QTY%
1. Inert cured polyurethane resin slab	proprietary	80-90
2. Titanium Dioxide	13463-67-7	1-5
3. Alumina Trihydrate	21645-51-2	10-15

## 3- HAZARDS IDENTIFICATION :

### POTENTIAL HEALTH HAZARD

None - nevertheless, machining can produce dust which can be irritating to skin, eyes, and upper respiratory system. ***Dust from machining contains Titanium Dioxide and Alumina Trihydrate - see Section for exposure limits.***

## 4- FIRST AID MEASURES :

- **Change any soiled clothing immediately.**
- **In case of eye contact :** Open eyelids as far as possible and flush with large quantities of water for at least fifteen minutes. Seek medical attention, preferably an eye specialist if irritation continues.
- **In case of skin contact :** Physically remove the product and wash skin thoroughly with soap and water. Consult a physician if skin irritation occurs.
- **In case of swallowing (dust) :** seek medical attention if after-effects occur.
- **In case of inhalation :** Remove the patient from the contaminated area. Consult physician if after-affects 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 (CO and/or NO<sub>x</sub>). Formation of toxic gases are possible during heating or in case of fire.

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

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

**COMMERCIAL NAME : Lab 1188****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 working in dust-filled environment; ensure adequate ventilation.

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

**6-3 Decontamination procedures :**

After machining, physically remove dusts 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.
- Observe personal hygiene rules to avoid contact with eyes and skin.
- Avoid inhalation of dust when/if formed during machining; use of a dust collection system recommended.
- Install showers and eye baths ("fountain" type).
- Ensure sufficient ventilation, including appropriate local air extraction, in order to comply with workplace exposure limits.
- **Remove all sources of ignition if dust cloud forms during machining.**
- 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 :** Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations. Always maintain workplace air contaminants to a minimum.

**8-2 Personal protection :**

- respiratory protection : NIOSH approved dust mask during machining
- eye protection : YES, safety glasses with side shields 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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**9- PHYSICAL AND CHEMICAL PROPERTIES :**

**Physical state :** solid

**Color :** off-white

**Flash point :** N/A (avoid the formation of dust cloud)

**Decomposition temperature :** > 200°F

**Specific gravity :** 54 lbs./ft.3

**Solubility :** in water : (at 68°F / 20°C) : insoluble

**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 known

**11- TOXICOLOGICAL INFORMATION :**

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

**Effects on skin :** may cause slight irritation by mechanical effect.

**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 :

Ecotoxicity : at present, there are no eco-toxicological assessments for this product.

Biodegradability : this product is non-biodegradable (difficult).

**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 1188****14- TRANSPORT INFORMATION :****DOT Regulations/Information:****Proper Shipping Name:** Not Regulated**Hazard Class:** N/A**UN/NA Number:** N/A**Packaging Group:** N/A**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.**OSHA PEL/TWA** : Titanium Dioxide (CAS 13463-67-7) TWA 15 mg/m3 (total dust)**ACGIH TLV** : Titanium Dioxide (CAS 13463-67-7) TWA 10 mg/m3 (total dust)**OSHA PEL/TWA** : Alumina Trihydrate (CAS 21645-51-2) TWA 15 mg/m3 (total dust)**ACGIH TLV** : Aluminum Trihydrate (CAS 21645-51-2) TWA 10 mg/m3 (total dust)**Sec. 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 : DbB2.PDF

Revised : 12/1/2008 Supersedes sheet : N/A 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