



Product # 25-000

Issue Date: December 5, 2011

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MATERIAL SAFETY DATA SHEET

SECTION 1. Product and Company Identification

PRODUCT NAME: Tray Adhesive

COMMON OR CHEMICAL NAME: Tray Adhesive

MANUFACTURED BY:

Dentonics, Inc.
2833 Tophill Rd.
Monroe, NC 28110
USA

EMERGENCY TELEPHONE:

800-727-4737

GENERAL INFORMATION:

704-238-0245

SECTION 2. Composition/Information on Ingredients

Product Contents: Tray Adhesive

Hazardous Ingredients: Isopropanol

Proper Shipping Name: Isopropanol
CAS: 67-63-0
UN Designation: UN-1219
Class: 3, Flammable Liquid
Packing Group: II

HAZARDOUS DATA

Health: 2
Flammability: 3
Reactivity: 0

Hazardous Data Legend:

4- Extreme
3- High
2- Moderate
1- Slight
0- Insignificant

Toluene

Proper Shipping Name: Toluene
CAS: 108-88-3
UN Designation: UN-1294
Class: 3, Flammable Liquid
Packing Group: II

HAZARDOUS DATA

Health: 3
Flammability: 3
Reactivity: 0

Hazardous Data Legend:

4- Extreme
3- High
2- Moderate
1- Slight
0- Insignificant

SECTION 3. Hazards Identification

California Proposition 65: This product contains Toluene, which is known to the State of California to cause reproductive toxicity.

For potential health hazards: SEE Section 11 below

No other hazards to man or the environment other than those related to the flammability of isopropanol are reasonably foreseen.

SECTION 4. First Aid Measures

Inhalation: No harm anticipate. Remove to fresh air. Call for medical assistance.

Skin Contact: Immediately wash with copious amounts of water and soap. If material dries, remove with cloth moistened with ethyl alcohol. Seek medical attention if large area of skin is contacted.

Eye Contact: Flush immediately with copious amounts of water. Seek medical attention if irritation persists.

Ingestion: Induce vomiting, preferably by mechanical measures. Seek medical attention.

SECTION 5. Fire-Fighting Measures

Suitable Extinguishing Media: CO₂ foam, dry chemical.

Extinguishing Media which should not be used: Water.

Special exposure hazards from combustion products: None specific.

Special protective equipment for fire fighters: Standard protective masks used for organic materials.

SECTION 6. Accidental Release Measures

Personal Precautions: Avoid contact with skin or eyes. Immediately wash hands with soap and water if contact occurs.

Environmental Precautions: Incineration preferred.

Methods for Cleaning Up: Small quantities: Wipe with absorbing materials and incinerate.
Large quantities: Dispose in accordance with federal, state, and local regulations.

SECTION 7. Handling and Storage

Handling Precautions: Keep away from flames and sparks, oxidizing agents, alkalis, and isocyanates.

Safe Storage Conditions: Store at temperatures not exceeding 75°F (24°C).

Other Restrictions or Recommendations: None.

SECTION 8. Exposure Controls/Personal Protection

Respiratory Protection & Ventilation: When working with large quantities and open containers, use of masks designed for organic vapors are recommended.

Protective Clothing or Equipment: Not required under normal handling. Glove, goggles, and aprons recommended.

Unusual Work/Hygienic Practices: Avoid prolonged contact with skin; immediately wash with soap and water.

SECTION 9. Physical and Chemical Properties

Appearance: Blue liquid.

Odor: Characteristic for aromatic hydrocarbons and alcohol.

pH: Not applicable.

Boiling Point/Range: 82.3°C – 112°C

Melting Point/Range: Not applicable.

Flash Point: ~ 50°F (open cup method)

Auto-Ignition Temperature: ~ 600°F

Flammability: Yes.

Explosive Limits in Air: Lower: ~ 1.5% ; Upper: ~ 12%

Oxidizing Properties: None.

Vapor Pressure (mm Hg): 96mm Hg @ 100°F

Vapor Density (Air=1): >1

Specific Gravity (H₂O =1): ~0.8

Solubility in Water: Partially soluble.

Reactivity in Water: Not reactive.

Other Data: None.

SECTION 10. Stability and Reactivity

Stability: Stable.

Hazardous Polymerization: Will not occur.

Conditions of Instability: Avoid exposure to heat, open flames, and sparks, in addition to oxidizing agents and isocyanates.

Incompatibility with Various Substances: Isocyanates, strong oxidizing agents, alkali metals.

Hazardous Decomposition Products: Carbon monoxide, nitrogen oxides.

Conditions to Avoid: Avoid heat, open flame, and sparks.

SECTION 11. Toxicological Information

Potential Acute Health Effects: Eye irritation upon contact; skin irritation upon prolonged exposure. Potential narcotic effect when exposed to large quantities of vapors. Fatigue, headache, mental confusion may also occur.

Potential Chronic Health Effects: None anticipated. **Medical Conditions Generally Aggravated by Exposure:** None known.

Signs and Symptoms of Exposure: Skin/eye irritation, fatigue, headache, mental confusion, nausea, loss of appetite.

Carcinogenic or Potential Carcinogenic Effects: Non ingredient listed as a carcinogen.

Other Potential Health Effects: Product contains Toluene, which is known by the State of California to cause reproductive toxicity.

SECTION 12. Ecological Information

No ecological damage or impact anticipated when handled as indicated.

SECTION 13. Disposal Considerations

Waste Disposal: Do not dispose into sink. Dispose of in accordance with all federal, state, and local regulations.

SECTION 14. Transport Information

UN Classification: UN- 1993

Identification: Flammable Liquid, n.o.s. (Isopropanol, Toluene)

Special Provisions for Transport: SEE Dangerous Goods Regulations.

SECTION 15. Regulatory Information

U.S. FDA Dental Device: Class I product

EC Medical Device Directive: Class I product

SECTION 16. Other Information

Some of the information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information in this MSDS was obtained from sources that we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or method of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. If the product is used as a component in another product or used in a way other than recommended by the Company, this MSDS information may not be applicable.

MSDS Approved by: **Randy Leander**