

# ***MATERIAL SAFETY DATA SHEET***

**HMIS Rating: Health - 1 Fire - 1 Reactivity - 0**

**Product Identity: Flexible Polyurethane Foam Date of Preparation: 02/2010**

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**MSDS No.: 001**

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## **Section 1: PRODUCT IDENTIFICATION**

**Trade Name: Visco Foam**

**Synonym: N/A**

**Chemical Family: Polyether polyurethane**

**Chemical Name: N/A**

**Description: Viscoelastic Foam - flexible foam supplied in buns, sheets, or otherwise shaped parts. May be any color depending on grade, age, and requirements.**

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## **Section 2 - HAZARDOUS INGREDIENTS**

**None known - material is a cross-linked reaction product of polymethylene polyphenyl isocyanate, water, poly (oxalkylene) polyol, surfactants, and pigments.**

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## **Section 3 - PHYSICAL & CHEMICAL DATA**

**Boiling Point (o F.): N/A**

**Vapor Pressure (mm Hg): N/A**

**Vapor Density (Air = 1): N/A**

**Solubility in Water (% by wt): Insoluble**

**Bulk Density (lbs/ft3): 2.2 – 10.0**

**Specific Gravity (H2O = 1): N/A**

**Percent Volatiles by Weight: N/A**

**Evaporation Rate (Bu Ac = 1): N/A**

**Melting Point (o F.): N/A**

**Total Extractables: < 1.0%**

**Appearance and Odor: Uniform or mostly uniform cellular structure, flexible, and nearly odorless. Bergad foam is supplied in any color.**

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## **Section 4: FIRE & EXPLOSION HAZARD DATA**

Flash Point (Method Used): > 500°F  
for decomposition products

Flammable Limits: LEL \_\_\_\_ N/A  
UEL \_\_\_\_ N/A

Extinguishing Media: Water, foam, or appropriate dry chemical extinguishing method suitable for ordinary combustibles ( Class A )

Special Fire Fighting Procedures: Use full emergency equipment with NIOSH/MSHA approved, self-contained, full face-positive pressure breathing apparatus

Unusual Fire and Explosion Hazards: Foam can emit combustible gases making flashback possible. Foam will burn with high heat, evolution of black smoke, flaming droplets, and toxic products. Foam may tend to melt when burning forming flaming, molten product which could cause spread of fire. Beware of smoldering re-ignition - foam may appear to be extinguished but may be smoldering internally or contain molten product.

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## **SECTION 5 - HEALTH HAZARD DATA**

Primary Route(s) of Entry: \_\_ Skin X Inhalation \_\_Ingestion X Eyes  
Dust from cutting and thermal decomposition products

Medical Conditions which may be aggravated by exposure: None known

Effects of Exposure - dust and thermal decomposition products

Coarse pore sizes can cause mechanical irritation: dust from cutting can be nuisance dust, temperatures over 350°F may generate toxic or respiratory irritants.

Acute: May cause irritation of eyes, nose, and throat.

Chronic: N/A

Signs and Symptoms of Exposure

Inhalation: Exposure to decomposition products and dust may cause irritation to nose and throat.

Skin: N/A

Ingestions: N/A

Eyes: Exposure to decomposition products and dust may cause irritation to eyes.

Emergency and First Aid Procedures - Thermal decomposition vapors Inhalation: Remove exposed person to fresh air

Skin: N/A

Ingestion: N/A

Eyes: Flush with plenty of water or suitable eye wash for 15 minutes. Consult a physician.

Carcinogenic References:

(NTP; IARC Monographs; OSHA; NIOSH RTECS; etc.)

Polymer is essentially inert with low oral or dermal toxicity. Inhalation of dust may be harmful. Temperatures in excess of 275°F encountered in any processing or other use will produce irritating or toxic fumes.

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## **Section 6: REACTIVITY DATA**

Stability: \_\_ Unstable X Stable

Hazardous Polymerization: \_\_ May Occur X Will Not Occur

Conditions to Avoid: High temperature, open flame; strong oxidizers.

Hazardous Decomposition Byproducts: Carbon monoxide, oxides of nitrogen, hydrogen cyanide; acrylonitrile.

Do Not Mix With: strong oxidizing agents, strong acids, and/or alkalies

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## **Section 7 - SPILL OR LEAK PROCEDURES**

Action for Material Release or Spill: Sweep up/pick up for reuse or disposal.

Waste Disposal: Dispose of in accordance with local, state, and federal regulations. Do not burn except at approved hazardous waste incinerator.

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## **Section 8 - CONTROL MEASURES**

Eye Protection: Use adequate eye protection, as appropriate, when processing material. Skin

Protection: N/A

Respiratory Protection: Use NOISH/MSHA approved respiratory protection if fumes, smoke, or dust is generated.

Ventilation: Local exhaust required for all processes where fumes, smoke, or dust are generated.

Other Protective Clothing or Equipment: Dust collecting equipment during buffing.

Work/Hygienic Practices: For personal hygiene protection, we recommend that employees wash thoroughly after handling product. Always wash up before eating, drinking, smoking or using the restroom facilities.

Precautions in Handling and Storage: Do not store near open flame or other sources of ignition.

Special Workplace Engineering Controls: Large quantities should be stored in areas away from heat or open flames with adequate ceiling sprinklers and/or fire extinguishers.

Other Precautions: Notify local fire companies of presence of large quantities of foam.

NOTICE: The data and recommendations presented herein are based upon data which are considered to be accurate. However, Dott Products makes no guarantee or warranty, either express or implied, of the accuracy or completeness of these data and recommendations.