



AV-248 Flexseal

MATERIAL SAFETY DATA SHEET

Date Issued: 07/01/2014

1. PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: AV-248 Flexseal
CLASSIFICATION: Hydrophobic Foam

SUPPLIER

Avanti International
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EMERGENCY TELEPHONE NUMBER

Chemtrec: 800.424.9300

2. COMPOSITION/INGREDIENT INFORMATION

Ingredient / CAS Number	Exposure Limits	Concentration
4,4'-Diphenylmethane Diisocyanate CAS #101-68-8	OSHA PEL: 0.02 ppm ACGIH TLV: 0.02 ppm	Trade Secret

3. HAZARDS IDENTIFICATION

HEALTH HAZARDS: Chronic exposure can cause sensitization to product in some individuals, resulting in allergic symptoms of the lower respiratory tract, (asthma like) including wheezing, shortness of breath and breathing difficulties. Subsequent reactions may occur at or substantially below the exposure standard.

EYE CONTACT: Exposure can cause severe irritation, tearing, and inflammation.

SKIN CONTACT: Exposure can cause dermatitis; either irritative or allergic. Sensitization may occur from repeated or intensive contact.

INGESTION: Ingestion of this product may cause vomiting, nausea, and abdominal pain.

INHALATION: Exposure can cause irritation of the mucous membranes of the nose, throat, and/or trachea, breathlessness, chest discomfort, difficult breathing, and reduced pulmonary function.

4. FIRST AID MEASURES

EYES: Flush with plenty of water for at least 15 minutes. Get medical attention.

SKIN: Wash thoroughly with soap and water. If irritation develops, consult a physician.

INHALATION: Remove to fresh air. If not breathing, administer artificial respiration. If breathing is difficult, administer oxygen. Seek immediate medical attention.

INGESTION: Do not induce vomiting. Rinse mouth vigorously. Give 16-24 oz. of water to drink. Keep person warm and seek immediate medical attention. (Never give anything by mouth to an unconscious or convulsing person.)

5. FIRE AND EXPLOSION HAZARDS

FLASH POINT: >200°F (>93°C) COC

FLAMMABLE LIMITS: Not determined.

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide or foam.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Toxic fumes (carbon dioxide, carbon monoxide, carbon dioxide, nitrogen oxides) are released in fire situations. Downwind personnel must be evacuated.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Wear appropriate personal protective equipment. Eliminate all ignition sources and evacuate spill area. Provide adequate ventilation.

SPILL PROCEDURE: Soak up with absorbent material and transfer to a proper waste container. Wash the area with water containing detergent.

7. HANDLING AND STORAGE

HANDLING: Use only in well ventilated areas, unless used with recommended respiratory protection. Empty containers of this material may be hazardous when empty since they retain product residues; observe all warnings and precautions listed for the product.

STORAGE: Store in a dry area between 84.6°F-102.6°F (15°-25°C). Keep containers tightly closed. Do not let moisture into containers. Store away from incompatible materials. Avoid physical damage to containers.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROLS: Mechanical general/local exhaust to control vapor or mist below maximum exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use safety goggles and face shield to avoid splashing on face.

SKIN: Wear neoprene or butyl rubber gloves, boots, and apron, long-sleeve shirt and trousers.

RESPIRATORY: If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved full-face piece respirator, half-face piece respirator with splash goggles, or powered, filtered air-supplied hood.

OTHER PROTECTIVE EQUIPMENT: Provide eyewash fountain and quick drench facilities in close proximity to points of potential exposure.

HYGIENE PRACTICES: Wash with soap and water after handling. Remove contaminated clothing and wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Milky White to clear liquid

SPECIFIC GRAVITY: 1.056@ 72°F (22°C)±3%

BOILING POINT: 260°C (500°F)

MELTING POINT: Not determined

VAPOR PRESSURE: Not available

VAPOR DENSITY: Not determined

EVAPORATION RATE: Not determined

SOLUBILITY IN WATER: Not soluble

10. STABILITY AND REACTIVITY

STABILITY: Stable in sealed containers at room temperature.

MATERIALS TO AVOID: Water, amines, strong bases, and alcohols.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide, carbon dioxide, nitrogen oxides, traces of cyanic acid, and MDI vapors.

POLYMERIZATION: Can occur when in contact with moisture, other materials which react with isocyanates, or temperatures above 400°F (204°C).

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY: No NPT-n/a.

IARC MONOGRAPHS: Class 2

TERATOGENICITY: None

REPRODUCTIVE TOXICITY: Oral (mouse) LOEL for embryo/fetotoxicity 1300/mg/kg/day.

MUTAGENICITY: None

SYNERGISTIC PRODUCTS: None

OSHA REGULATED: No

12. ECOLOGICAL INFORMATION

None listed.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations.

14. TRANSPORT INFORMATION**DOT (DEPARTMENT OF TRANSPORTATION)**

PROPER SHIPPING NAME: Non-Regulated Caulking Compound

HAZARD CLASS: None

UN NUMBER: Not applicable

PACKING GROUP: Not applicable

LABEL: Not applicable

PLACARD: Not applicable

NMFC (NATIONAL MOTOR FREIGHT CARRIERS)

FREIGHT CLASS: 55

15. REGULATORY INFORMATION**SARA SUPERFUND AND REAUTHORIZATION ACT OF 1986 TITLE III****SECTION 302 – Extremely Hazardous Substances (40 CFR 355)**

None of the chemicals are listed.

SECTION 313 – List of Toxic Chemicals (40 CFR 372)

4,4'-Diphenylmethane Diisocyanate: <1%

CERCLA (REPORTABLE QUANTITY)

4,4'-Diphenylmethane Diisocyanate: 5,000 lbs.

RCRA STATUS: Not considered a hazardous waste.

TSCA REGULATORY: All components of this product are either on the TSCA Inventory or exempt.

16. OTHER INFORMATION

The information on this MSDS is accurate to the best of Avanti International's knowledge. Avanti International makes no expressed or implied warranty, and in no case shall be liable for consequential, special, or indirect damages resulting from the use or handling of this product.