



# AV-249 Flexseal AC

## MATERIAL SAFETY DATA SHEET

Date Issued: 07/01/2014

### 1. PRODUCT AND COMPANY INFORMATION

**PRODUCT NAME:** AV-249 Flexseal AC

**CLASSIFICATION:** Catalyst

**SUPPLIER**

Avanti International  
822 Bay Star Blvd.  
Webster, TX 77598  
Phone: 800.877.2570  
Fax: 281.486.7300

**EMERGENCY TELEPHONE NUMBER**

Chemtrec: 800.424.9300

### 2. COMPOSITION/INGREDIENT INFORMATION

Ingredient / CAS Number	Exposure Limits	Concentration
Dibutyl Maleate CAS #105-76-0	OSHA: Not established ACGIH: Not established	Trade Secret

### 3. HAZARDS IDENTIFICATION

**HEALTH HAZARDS:** Chronic exposure can cause sensitization to product, eye disease, neurological disorders, skin diseases and allergies.

**EYE CONTACT:** Exposures can cause irritation and burning of the eyes.

**SKIN CONTACT:** Exposure can cause dermatitis.

**INGESTION:** Not listed.

**INHALATION:** Exposure can cause upper respiratory tract irritation.

### 4. FIRST AID MEASURES

**EYES:** Flush with plenty of water for at least 15 minutes, lifting upper and lower lids occasionally. Obtain immediate medical attention.

**SKIN:** Wash thoroughly with soap and water, flushing for at least 15 minutes. Remove all contaminated clothing and wash or clean prior to reuse. If irritation develops, consult a physician.

**INHALATION:** Remove to fresh air. If breathing is difficult, administer oxygen and get medical attention.

**INGESTION:** Do not induce vomiting. Rinse mouth vigorously. Give 16-24 oz. of water to drink. Keep person warm, quiet and seek medical attention. Aspiration of material into the lungs due to vomiting can cause chemical pneumonitis. (Never give anything by mouth to an unconscious or convulsing person.)

### 5. FIRE AND EXPLOSION HAZARDS

**FLASH POINT:** >338°F (>170°C)

**AUTOIGNITION TEMPERATURE:** Not determined

**FLAMMABLE LIMITS:** Not determined

**EXTINGUISHING MEDIA:** Dry chemical, carbon dioxide, or foam.

**PROTECTIVE EQUIPMENT:** Wear self-contained breathing apparatus and full protective clothing.

**HAZARDOUS COMBUSTION PRODUCTS:** Smoke, carbon dioxide, nitrogen oxide, and carbon monoxide.

## 6. ACCIDENTAL RELEASE MEASURES

**GENERAL PROCEDURES:** Eliminate all ignition sources (flares, flames including pilot lights; electrical sparks). Persons not wearing protective equipment should be excluded from area of spill until clean up has been completed.

**SMALL SPILLS:** Soak up with inert absorbent material (e.g., sand, sawdust, cat litter, vermiculite) and collect in a suitable and properly labeled container. Wash the area with water containing 5% ammonia and detergent.

**LARGE SPILLS:** Dike area to contain spill. Pump into suitable and properly labeled container.

**ENVIRONMENTAL:** Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. If runoff occurs, notify proper authorities (as required) that a spill has occurred.

## 7. HANDLING AND STORAGE

**HANDLING:** Use in well ventilated areas. Keep body contact and splash to a minimum. Do not empty steel drums with a welding torch.

**STORAGE:** Store at 50°F to 100°F (16° - 30°C).

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

**ENGINEERING CONTROLS:** General and/or local exhaust to control vapor or mist below maximum exposure limits.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Wear chemical goggles and face shield to avoid splashing on face.

**SKIN:** Wear chemical resistant rubber gloves and boots, 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:** light yellow to white, clear liquid.

**pH:** N/A

**FREEZING POINT:** Not determined

**BOILING POINT:** Not determined

**EVAPORATION RATE (butyl acetate):** <1

**VAPOR PRESSURE:** <0.1 mm Hg @ 20°C

**VAPOR DENSITY:** <1

**SPECIFIC GRAVITY (water=1):** 1.02 @ 72°F (22 C°) ±3%

**SOLUBILITY IN WATER:** Not listed

## 10. STABILITY AND REACTIVITY

**STABILITY:** This is a stable material in sealed containers.

**MATERIALS TO AVOID:** Strong oxidizing agents, base resins, mineral acids.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon dioxide, carbon monoxide, and nitrogen oxide.

**POLYMERIZATION:** Not listed.

**11. TOXICOLOGICAL INFORMATION**

**CARCINOGENICITY:** No data

**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:** Liquid Resin Non-Regulated

**HAZARD CLASS:** None

**UN NUMBER:** None

**PACKING GROUP:** None

**LABEL:** None

**PLACARD:** None

**NMFC (NATIONAL MOTOR FREIGHT CARRIERS)**

**FREIGHT CLASS:** 65

**15. REGULATORY INFORMATION**

None listed.

**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.