



AV-281 Hydrocel

MATERIAL SAFETY DATA SHEET

Date Issued: 07/01/2014

1. PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: AV-281 Hydrocel

CLASSIFICATION: Catalyst

SUPPLIER

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EMERGENCY TELEPHONE NUMBER

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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 skin and/or respiratory sensitization to product.

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: Give 16-24 oz. of water or milk to drink and induce vomiting and seek medical attention. (Never give anything by mouth to an unconscious or convulsing person.)

5. FIRE AND EXPLOSION HAZARDS

FLASH POINT: >350°F (>177°C)

FLAMMABLE LIMITS: LEL: 2.0% UEL: 12%

EXTINGUISHING MEDIA: Alcohol, dry chemical, carbon dioxide, foam, or water.

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.

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 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 cool and dry, well ventilated area. Keep containers tightly sealed to prevent moisture contamination.

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 respirator.

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 liquid.

BOILING POINT: 180°F (82°C)

EVAPORATION RATE (butyl acetate): Not listed

VAPOR PRESSURE: Not listed

VAPOR DENSITY: Heavier than air

SPECIFIC GRAVITY (water=1): 0.98 @ 72°F (22 C°) ±3%

MELTING POINT: Not listed

SOLUBILITY IN WATER: Not listed

10. STABILITY AND REACTIVITY

STABILITY: This is a stable material in sealed containers.

MATERIALS TO AVOID: Strong oxidizing agents, strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide.

POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY: None listed
IARC MONOGRAPHS: None listed
TERATOGENICITY: None determined
REPRODUCTIVE TOXICITY: Not determined
MUTAGENICITY: None determined
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.