



AV-276 Soilcat
MATERIAL SAFETY DATA SHEET

Date Issued: 07/01/2014

1. PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: AV-276 Soilcat

CLASSIFICATION: Catalyst

SUPPLIER

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2. COMPOSITION/INGREDIENT INFORMATION

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

3. HAZARDS IDENTIFICATION

HEALTH HAZARDS: Severe eye irritation, severe skin and upper respiratory irritation are possible.

EYE CONTACT: Vapors are irritating to the eyes; with redness and blurred vision. Prolonged vapor contact may cause conjunctivitis.

SKIN CONTACT: Exposure can cause reddening, itching and swelling. Persons previously sensitized can experience allergic skin reactions like reddening, itching and swelling.

INGESTION: May cause irritation. Symptoms may include abdominal pain, nausea, vomiting and diarrhea.

INHALATION: Exposure can cause upper respiratory irritation.

4. FIRST AID MEASURES

EYES: Immediately flush eyes with a directed stream of water for at least 15 minutes, forcibly holding eyelids apart to ensure complete irrigation of all eye and lid tissue. GET MEDICAL ATTENTION.

SKIN: Quickly remove contaminated clothing. Wash contaminated areas with plenty of soap and water. A soothing ointment may be applied to irritated skin after thorough cleansing. SEEK MEDICAL ATTENTION.

INHALATION: Remove exposed person to fresh air and support breathing if necessary.

INGESTION: Do not induce vomiting. Give 1 to 2 cups of milk or water to drink. If vomiting is inevitable, prevent aspiration by keeping the victim's head below the knees. Get immediate medical attention. Note: DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONCIOUS PERSON.

5. FIRE AND EXPLOSION HAZARDS

FLASH POINT: C.O.C. 365°F (160°C)

FLAMMABLE LIMITS: Not determined.

EXTINGUISHING MEDIA: For small fires, use dry chemical, carbon dioxide (CO₂). For large fires, use fog or regular foam.

SPECIAL FIRE FIGHTING PROCEDURES: Since fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus with a full-face piece operated in pressure-demand or positive-pressure mode. Apply cooling water to sides of container until well after fire is out. Do not release fire water runoff to sewers or water ways.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors are heavier than air and may collect in low-lying areas. Container may explode in heat of fire. Exposure to flames or arc welding can produce highly toxic gases due to the thermal decomposition or combustion of the product.

6. ACCIDENTAL RELEASE MEASURES

Notify safety personnel, isolate and ventilate the area. Stay up wind. Remove all ignition sources. For small spills, absorb with sand or other absorbents and place suitable containers for later disposal. For large spills, dike ahead for a later disposal or reclamation. For disposal, follow applicable federal, state, and local regulations.

7. HANDLING AND STORAGE

STORAGE: Prevent physical damage to containers. Store in steel drums, in a cool, dry, well-ventilated area, away from sunlight and incompatibles, and food.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide general and local exhaust ventilation systems to maintain airborne concentrations below the OSHA PEL level.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear a face shield (8 in. minimum) per OSHA eye and face protection regulations (20 CFR 1910.133).

SKIN: Wear chemically protective gloves, boots and aprons to prevent repeated or prolonged skin contact. Viton, neoprene and butyl rubber are recommended materials for protected gear.

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. Clean and inspect PPE before reuse. Do not eat, drink, or smoke in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Pale yellow liquid with amine odor

BOILING POINT: 140°F (60°C) at 0.5mm Hg

FREEZING POINT: -8°F (-22°C)

VAPOR PRESSURE: <0.1 mmHg @ 68°F (20°C)

VISCOSITY: 35 cP ± 3 @ 68°F (20°C)

SPECIFIC GRAVITY: 0.921 @ 68/39.8°F (20/4°C)

BULK DENSITY: 7.68 lbs/gal

SOLUBILITY: Not soluble in water. Miscible with most organic solvents (ketones, benzene, waxes and oils).

10. STABILITY AND REACTIVITY

STABILITY: Stable in sealed containers at room temperature.

INCOMPATIBILITY: Strong acids and strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition can produce carbon monoxide (CO), oxides of nitrogen.

HAZARDOUS POLYMERIZATION: Cannot occur.

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY: No carcinogenic substances as defined by OSHA, NTP, or IARC.

ORAL LD50 (rat): 1.58 ml/kg

DERMAL LD50 (rabbit): 4.29 ml/kg

12. ECOLOGICAL INFORMATION

No data available.

13. DISPOSAL CONSIDERATIONS

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

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

PROPER SHIPPING NAME: N/A

HAZARD CLASS: N/A

UN NUMBER: N/A

PACKING GROUP: N/A

LABEL: N/A

PLACARD: N/A

NMFC (NATIONAL MOTOR FREIGHT CARRIERS)

FREIGHT CLASS: 55

15. REGULATORY INFORMATION**SARA TITLE III**

SECTION 311/312: None

SECTION 313: None

REPORTABLE QUANTITY: None

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

NFPA (NATIONAL FIRE PROTECTION AGENCY)

HEALTH: 3

FLAMMABILITY: 1

REACTIVITY: 0

SPECIAL: 0

16. OTHER INFORMATION

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