

MATERIAL SAFETY DATA SHEET

DUST BINDER™

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Issue Date: 6/04

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Chemical Product

DUST BINDER

Chemical Description: Aqueous solution of an acrylic polymer.

TSCA/CAS No.: This product is a mixture — there is no specific CAS number.

Manufactured For

Monterey AgResources

P. O. Box 35000

Fresno, CA 93745-5000

Emergency Phone Numbers

Emergency Telephone: DAYS: (559) 499-2100 EVES.: (559) 431-7390

CHEMTREC (24-Hour Emergency Number): (800) 424-9300

EPA National Response Center: (800) 424-8802

SECTION 2. HAZARDOUS INGREDIENTS

CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
Aqua ammonia	1336-21-6	< 1.0	35 ppm (as ammonia) (ACGIH STEL)	N.P.
			25 ppm (as ammonia) (ACGIH TWA)	
			50 ppm (as ammonia) (OSHA PEL)	

SECTION 3. EMERGENCY/HAZARDS OVERVIEW

Milky, white liquid with slight ammonia odor. Prolonged contact may cause skin irritation. Thermal decomposition may yield acrylic monomers. Material can splatter above 100°C/212°F. Dried product can burn. Contain any liquid run-off. Not D.O.T. regulated.

HEALTH: 1 REACTIVITY: 0 FLAMMABILITY: 0 ENVIRONMENT: 1
(0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme)

SECTION 4. FIRST AID

- Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Consult a physician if irritation persists.
- Skin: Wash thoroughly with soap and water. Remove contaminated clothing and wash before reuse. Consult a physician if irritation persists.
- Ingestion: If conscious and alert, give 2 glasses of water to drink for dilution. Contact physician or Poison Control Center. Never give anything by mouth to an unconscious person.
- Inhalation: Move to fresh air. If breathing becomes difficult, call a physician.

SECTION 5. FIRE AND EXPLOSION HAZARDS

Flash Point:	Noncombustible.
Test Method:	Not available.
LEL Flammable Limits:	Not pertinent.
UEL Flammable Limits:	Not pertinent.
Autoignition Temperature:	Not pertinent.
Flammability Classification:	None.
Known Hazardous Products of Combustion:	Thermal decomposition may yield acrylic monomers.
Properties that Initiate/Contribute to Intensity of Fire:	None known.
Potential For Dust Explosion:	None.
Reactions that Release Flammable Gases or Vapors:	None known.
Potential For Release of Flammable Vapors:	None.
Unusual Fire & Explosion Hazards:	Material can splatter above 100°C/212°F. Dried product can burn.
Extinguishing Media:	As appropriate for surrounding fire.
Special Firefighting Procedures:	Wear positive pressure, self-contained breathing apparatus and full protective gear. Avoid smoke inhalation. Contain any liquid runoff.

SECTION 6. SPILLS AND LEAKS

Containment:	Prevent product spillage from entering drinking water supplies or streams.
Clean Up:	Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. Landfill or incinerate remaining solids in accordance with local, state and federal regulations.
Evacuation:	Not necessary but restrict entry.

SECTION 7. STORAGE AND HANDLING

Storage:	Store in plastic or stainless steel container in a cool, well-ventilated, dry place at temperatures above 40°F. Do not store near food or feeds. Do not stack pallets more than two (2) high.
Transfer Equipment:	Transfer product using chemical-resistant plastic or stainless steel tanks, pumps, valves, etc.
Work/Hygienic Practices:	Keep out of reach of children. Avoid contact with eyes, skin and clothing. Avoid inhalation of spray mists. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

SECTION 8.	PERSONAL PROTECTIVE EQUIPMENT
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- Eyes:** Use safety glasses with side shields (ANSI Z87.1 or approved equivalent). Eye protection worn must be compatible with respiratory protection system employed. As a general rule, do not wear contact lenses when handling.
- Skin:** Impervious clothes and neoprene gloves. Gloves of other chemically resistant materials may not provide adequate protection.
- Respiratory:** A respiratory protection program meeting OSHA 1910.134 and ANSI Z88.2 requirements or equivalent must be followed whenever workplace conditions warrant a respirator's use. None required if airborne concentrations are maintained below the exposure limit listed in Section 2. For airborne concentrations up to 10 times the exposure limit, wear a properly fitted NIOSH approved (or equivalent) half-mask, air-purifying respirator. Air purifying respirators should be equipped with NIOSH approved (or equivalent) ammonia/methylamine cartridges and N95 filters. If oil mist is present, use R95 or P95 filters.
- Engineering:** Use local exhaust ventilation with a minimum capture velocity of 100 ft/min. (0.5 m/sec.) at the point of vapor evolution. Refer to the current edition of Industrial Ventilation: A Manual of Recommended Practice published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.
- Other:** Facilities storing or utilizing this material should be equipped with an eyewash facility.

SECTION 9.	PHYSICAL AND CHEMICAL DATA
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Appearance:	Milky white liquid.
Odor:	Slight ammonia odor.
pH:	5.0 – 9.5
Vapor Pressure:	Not available.
Vapor Density (Air = 1):	Not available.
Boiling Point:	Not available
Freezing Point:	Not available.
Water Solubility:	Dilutable.
Density:	8.3 – 10.0 lbs./gal.
Evaporation Rate:	Not available.
Viscosity:	1500 cps max.
% Volatile:	57-61% water.
Octanol/Water Partition Coefficient:	Not available.
Saturated Vapor Concentration:	Not available.

Note: The physical and chemical data given above are typical values and are not intended to be product specifications.

SECTION 10.	STABILITY AND REACTIVITY
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Stability:	Stable.
Conditions To Avoid:	Avoid temperatures above 177°C/350°F, the onset of polymer decomposition. Thermal decomposition is dependent on time and temperature.
Incompatibility:	There are no known materials which are incompatible.
Hazardous Decomposition Products:	Thermal decomposition may yield acrylic monomers.
Hazardous Polymerization:	Will not occur

SECTION 11. POTENTIAL HEALTH EFFECTSAcute Effects:

Eyes: Slight irritation.
Skin: Prolonged or repeated skin contact can cause slight irritation (LD₅₀ > 5,000 mg/kg).
Ingestion: Not available (LD₅₀ > 5,000 mg/kg).
Inhalation: Aerosol mist or vapor can cause headache, nausea, irritation of nose, throat and lungs.

Subchronic Effects: Not available.

Chronic Effects: Not available.

Note: Information shown above are typical data for a number of acrylic emulsions that are compositionally similar

SECTION 12. ECOLOGICAL INFORMATION

Algal/Lemna Growth Inhibition: Not known.
Toxicity to Fish and Invertebrates: Not known.
Toxicity to Plants: Not known.
Toxicity in Birds: Not known.

SECTION 13. DISPOSAL

Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents according to state and local regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal. Do not discharge.

SECTION 14. TRANSPORTATION

D.O.T. Proper Shipping Description: Not D.O.T. Regulated
Other Shipping Description: Adhesives, Adjuvants, Spreaders or Stickers, Liquid.
(NMFC Item 4612, LTL Class 60)

SECTION 15. REGULATORY INFORMATION

CERCLA: None.

SARA TITLE III, Section 313 Toxic Chemicals: None.

PROPOSITION 65 (CA): None.

SECTION 16. OTHER

While the information contained herein is based on data considered accurate and was compiled to comply with the Federal Hazard Communication Standard and the California Hazardous Substances Information and Training Act, it is provided for guidance only. Monterey AgResources does not guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations; in so doing, user assumes all risk in use of the material. The information contained herein is not to be taken as a warranty or representation for which Monterey AgResources assumes legal responsibility.