



Safety Data Sheet (SDS)

Packaged Desiccant – Type XH-7 & AD-1® MOLECULAR SIEVE in a Tear-Resistant Substrate

Section 1: Product Identification

Product Name (use): Packaged Desiccant – Type XH-7 & AD-1® Molecular Sieve in a tear-resistant substrate (an adsorbent product)
Company: Flow Dry Technology, Inc.
379 Albert Road, PO Box 190
Brookville, OH 45309
Emergency: +1.800.533.0077, Direct: +1.937.833.2161
Website & email: www.flowdry.com service@flowdry.com

Section 2: Hazards Identification



Warning! Category 3 - When packaged in a dustless tear-resistant substrate, NOT a hazard. An irritant only.

Section 3: Composition / Information on Ingredients

Material or Component	CAS No.	%	Hazard Data (29 CFR 1910)	H-statements
Silicon Oxide (synthetic)	7631-86-9	< 65	Non-hazard	H315, H319, H317
Aluminum Oxide (non-fibrous)	134428-1	< 45	Hazardous (in bulk)	H334, H304
Sodium Oxide	1313-59-3	< 35	Non-hazard	H315, H319, H317
Potassium Oxide	12136-45-7	< 15	Non-hazard	H315, H319, H317
Quartz (SiO ₂)	14808-60-7	< 5	Hazardous (in bulk)	H334, H304
Cristobalite	14464-46-1	< 2	Hazardous (in bulk)	H334, H304

Section 4: First Aid Measures

EYE CONTACT Immediately flush eyes with water for 10-15 minutes, occasionally lifting eyelids. Remove any contact lenses.
SKIN CONTACT Wash contaminated skin with plenty of water and soap and flush with water.
INHALATION Move victim to fresh air and keep at rest in a position comfortable for breathing.
INGESTION If contents swallowed and person is conscious, give small amounts of water to drink. Seek medical attention.

Section 5: Fire-Fighting Measures

Non-combustible or flammable.

Section 6: Accidental Release Measures

PRECAUTIONARY If contents exposed, avoid contact with skin and eyes. Avoid formations of dust. DO NOT inhale.
SPILLAGES Sweep-up, dispose of per local regulations.

Section 7: Handling and Storage

HANDLING When in tear-resistant substrate, no special protection required. If contents exposed, avoid dust and skin exposure.
STORAGE Keep sealed tight in a cool, dry and well ventilated area. Keep in original container.

Section 8: Exposure Controls / Personal Protection

CONTROLS OSHA Permissible Limit (PEL): 0.025 mg/m³; ACGIH Threshold Limit Value (TLV): 0.05 mg/m³ (TWA).
PROTECTION HMIS = E: If contents exposed, wear protection such as gloves, eye protection, and NIOSH approved respirator.

Section 9: Physical and Chemical Properties

Appearance:	solid, tan, beads	PH (in 5% slurry):	N/A	Evaporation Rate (Butyl Acetate = 1):	N/A
Flammability (upper/lower):	N/A	Relative Density:	N/A	Flammability (solid, gas):	N/A
Odor:	odorless	Melting Point (°C):	> 400° C	Partition Coefficient:	N/A
Vapor Pressure (mm Hg):	N/A	Solubility in Water (%):	Insoluble	Auto-Ignition Temperature:	N/A
Odor Threshold:	N/A	Boiling Point:	N/A	% Volatiles by Volume @ 21C (70F):	N/A
Vapor Density (Air=1):	N/A	Flash Point:	N/A	Bulk Density:	2.0 g/Cm ³

Section 10: Stability and Reactivity

STABILITY: Stable under normal conditions. Avoid water & high humidity. **REACTIVITY:** Hygroscopic. Reacts with water to evolve heat.

Section 11: Toxicological Information

May cause eye irritation. May cause skin irritation. May be harmful if inhaled. May be harmful if swallowed.

Section 12: Ecological Information

No specific data or information available regarding environmental impact. Insoluble in water. Will be separated in filtration processes.

Section 13: Disposal Considerations

Dispose in accordance with all applicable Federal, state and local regulations for non-hazardous chemicals.

Section 14: Transport Information

UN CLASS: Not classified as hazardous for transport.

Section 15: Regulatory Information

NFPA / HMIS III: Health=1; Fire=0; Reactivity=1 TSCA: All product components are listed on EPA, TSCA or exempt from notification requirements.

Section 16: Other Information

Disclaimer (see below)

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