

KATHABAR

Dehumidification Systems

A Niagara Blower Company

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Material Safety Data Sheet (KBD-MSDS)

1. General Information:

Kathabar Dry Desiccant Dehumidification systems contain one or more silica gel dehumidification rotor media sizes 50 mm to 5000 mm diameter and 50 mm to 500 mm depth. The desiccant rotor is used to remove moisture from process air streams and liberate the moisture through reactivation air streams.

2. Physical Chemical Characteristics

Appearance	Dry white/gray corrugate structure
Container Type	Monolithic substrate
Net Unit Weight	16 LBS/CU. FT
Proprietary	Yes
Ingredients	Silica Gel 82%, Glass Fiber 16%, Face Coating 2%
OSHA PEL	80 MG/ M3 / SiO ₂
ACGIH TLV	10 MG/ M3
Odor	None
Specific Gravity	2.1
Solubility	Insoluble in H ₂ O
Ph	2.8

3. Fire and Explosion Hazard/Reactivity Data

Description	Non-Flammable
Extinguish	Not Applicable
Stability	Yes
Conditions to Avoid	None
Materials to Avoid	Reacts w/ HF
Hazardous Decomposition	None

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4. Health Hazard Data

Route of Entry Inhalation	Yes when degraded
Route of Entry Skin	No
Route of Entry Ingestion	No
Health Hazard	Low potential for adverse health effects. Product can be considered a nuisance dust when degraded. In degraded form (dust) can act as drying irritant to mucous membranes and skin in cases of severe exposure.
Carcinogenicity- NTP	None
Carcinogenicity- IARC	Non-respirable
Carcinogenicity- OSHA	None
Explanation	PER MSDS this product and its components are not listed on IARC/NTP/ OSHA Carcinogens lists.
Overexposure	In degraded form (dust). Drying & irritation of mucous membranes and skin in cases of severe exposure.
Emergency First Aid	For degraded Form (dust): Eyes- immediately wash with large amounts water, occasionally lifting upper and lower eyelid and seek medical attention. Skin- wash with soap and water. Ingest- material will pass through body normally. Inhalation- remove to fresh air.

5. Precautions for Safe Handling & Use

If released, sweep or vacuum, flush to sewer. Waste disposal contains no toxic chemical in excess of applicable minimal concern as specific under 313 of title III SARA. Dispose in approved landfill to Fed./ State/ Local regulations. Cover promptly to avoid blowing dust. Avoid prolong exposure to dust in degraded form. No known adverse effect on aquatic environment in soluble and non-toxic. Wash hands w/ soap & water after handling.

6. Control Measures

Respiratory Protection	Use approved NIOSH/ MSHA dust mask when handling in degraded form.
Ventilation	None
Protective Clothing	Long sleeves and close knit cotton gloves with tight wristlets when handling in degraded form.
Eye Protection	Safety glasses when handling in degraded form.

7. Transportation/Disposal Information

Dot/ IATA/ IMO	Not Regulated, Non hazardous material
Disposal Classification	Not classified as hazardous material. Dispose in approved landfill to Fed./ State/ Local regulations. Cover promptly to avoid blowing dust.
Label Data	Not required