



MATERIAL SAFETY DATA SHEET: HST HUMIDISORB PACKETS

Section 1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer's Name and Address:

A+ Corporation, LLC
41041 Black Bayou Rd. EMERGENCY TELEPHONE NUMBER: (225) 644-5255
Gonzales, LA 70737 Date Prepared: 01/03/06

PRODUCT NAME: HUMIDISORB PACKETS (Includes all "HST" prefix part numbers)

PRODUCT USE: Moisture control packet for electrical and electronic enclosures

Section 2 PRODUCT INFORMATION

Name

A proprietary granular absorbent contained in a vapor permeable pouch

Section 3 HAZARD IDENTIFICATION

This product is not hazardous according to the OSHA Hazard Communication Standard.
No particular hazards known.

Section 4 FIRST AID MEASURES

Under normal conditions, the granules are enclosed in a pouch that does not allow skin or eye contact. The packet does not allow dust to escape.

If the packet, is damaged from abnormal conditions and the granules are exposed, then:

General advice:

Remove contaminated clothing

If inhaled:

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

On skin contact:

Wash thoroughly with soap and water. Remove and launder contaminated clothing before reuse.

If irritation develops, get medical attention.

On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open. If irritation develops, get medical attention.

On ingestion:

Rinse mouth and then drink plenty of water. Get immediate medical attention.

Notes to Physicians: None known. Treat according to symptoms (decontamination, vital functions). No known specific antidote.

Section 5**FIRE-FIGHTING MEASURES**

Suitable extinguishing media:

Water spray, dry extinguishing media, foam

Unsuitable extinguishing media for safety reasons:

Carbon dioxide, water jet

Additional information:

Avoid whirling up the material/product because of the danger of dust explosion

Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

Contaminated extinguishing water must be disposed of in accordance with official regulations.

The degree of risk is governed by the burning substance and the fire conditions.

Section 6**ACCIDENTAL RELEASE MEASURES**

Under normal conditions, the granules are enclosed in a pouch that does not allow skin or eye contact. The packet does not allow dust to escape.

If the packet, is damaged from abnormal conditions and the granules are exposed, then:

See First Aid Measures.

Methods for cleaning up or taking up:

For large amounts: Contain with dust binding material and dispose of.

Section 7**HANDLING AND STORAGE**

Handling:

Handle in accordance with good industrial hygiene and safety practice.

Under normal conditions, the granules are enclosed in a pouch that does not allow skin or eye contact. The packet does not allow dust to escape.

If the packet, is damaged from abnormal conditions and the granules are exposed, then:

Breathing must be protected when large quantities are decanted without local exhaust ventilation.

Avoid the formation and deposition of dust.

Protection against fire and explosion:

The relevant fire protection measures should be noted.

Storage:

Further information on storage conditions: Containers should be tightly sealed in a dry place.

Section 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Under normal conditions, the granules are enclosed in a pouch that does not allow skin or eye contact. The packet does not allow dust to escape.

If the packet, is damaged from abnormal conditions and the granules are exposed, then:

Personal protective equipment

Hand protection:

Chemical resistant protective gloves

Eye protection:

Safety glasses with side-shields (frame goggles)

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended.

Section 9 PHYSICAL AND CHEMICAL PROPERTIES

Form:	granules
Color:	white
Odor:	odorless
Bulk Density:	approx. 500 kg/m ³
Solubility in water:	insoluble (20° C)

Section 10 STABILITY AND REACTIVITY

Under normal conditions, the granules are enclosed in a pouch that does not allow skin or eye contact. The packet does not allow dust to escape.

If the packet, is damaged from abnormal conditions and the granules are exposed, then:

Hazardous reactions:

The product is not a dust explosion risk as supplied. However, if the package is damaged from abnormal conditions, the build-up of fine dust can lead to a risk of dust explosion.

No hazardous decomposition products if stored and handled as prescribed/indicated.

Section 11 TOXICOLOGY INFORMATION

Under normal conditions, the granules are enclosed in a pouch that does not allow skin or eye contact. The packet does not allow dust to escape.

If the packet, is damaged from abnormal conditions and the granules are exposed, then:

LD50/oral/rat: > 2,000 mg/kg

LD50/dermal/rat: > 2,000 mg/kg

Primary skin irritation/rabbit: non-irritant (OECD Guideline 404)

Primary irritations of the mucous membrane/rabbit: non-irritant (OECD Guideline 405)

Sensitization:
No sensitizing effect

Further information:

A chronic (2-year) lifetime inhalation study in rats with respirable dust (micronized to < 10 micrometer diameter) resulted in a non-specific inflammatory response in the lungs followed by tumor development in some rats in the highest chronic exposure level of 0.8 mg/m³. In the absence of chronic inflammation, tumors are not expected.

Additional information:

The statement was derived from products of similar composition.

Section 12

ECOLOGICAL INFORMATION

Under normal conditions, the granules are enclosed in a pouch that does not allow skin or eye contact. The packet does not allow dust to escape.

If the packet, is damaged from abnormal conditions and the granules are exposed, then:

Ecotoxicity

Toxicity to fish:

OECD Guideline 203 static

Brachydanio rerio/LC50 (96 h): > 100mg/l

Aquatic invertebrates:

OECD Guideline 202, part 1 static

Daphnia magna/EC50 (48 h): >100mg/l

Nominal concentration

Microorganisms/Effect on activated sludge:

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

Soil living organisms:

OECD Guideline 207

Eisenia foetida/LC50: >1.000 mg/kg

Persistence and degradability

Assessment: The product is not very soluble in water and can thus be removed from water mechanically in suitable effluent treatment plants.

Additional information

Additional remarks environmental fate and pathway:

Due to the consistency of the product, dispersion into the environment is impossible. Therefore no negative effects on the environment may be anticipated based on the present state of knowledge.

Other ecotoxicological advice:

Do not release untreated into natural waters. The ecotoxic effect of the product has not been tested. The information on this was derived from products of similar structure or composition.

Section 13**DISPOSAL CONSIDERATIONS**

Must be dumped or incinerated in accordance with national and local regulations.

Section 14**TRANSPORT INFORMATION**

Not classified as hazardous under transport regulations (Not regulated by the Department of Transportation).

Section 15**REGULATORY INFORMATION**

TSCA Inventory Status – Listed on inventory: Yes

SARA – 313 Listed Chemical: No

RCRA Haz. Waste No.: N/A

CERCLA: No

State Regulatory Information:

NJ/PA/MA = No

Hazard Ratings:

HMIS Health-1 Fire-0 Reactivity-0 Specific-None

This product is not hazardous according to the OSHA Hazard Communication Standard.

DOT Class: Not regulated

The information herein has been compiled from sources believed to be reliable and is accurate to the best of our knowledge. However, A+ Corporation, LLC cannot give any guarantees regarding information from other sources, and expressly does not make any warranties, nor assumes any liability, for its use. Recipients of our product must take responsibility for observing existing laws and regulations.