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## SAFETY DATA SHEET: GLYSORB CARTRIDGES

### SECTION 1

### IDENTIFICATION

Product Identifier: GlySORB Cartridges (Includes all “GlySORB” part numbers)  
Manufacturer: A+ Corporation, LLC  
41041 Black Bayou Rd.  
Gonzales, LA 70737  
Emergency Phone: (225) 644-5255  
Recommended Use: Inert absorbent for protection of natural gas moisture analyzers

### SECTION 2

### HAZARD INFORMATION

HAZCOM Standard Status: The granular absorbent cartridges are not hazardous according to the OSHA Hazard Communication Standard

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

If the granules are exposed, then:

Classification: When granules are exposed:  
STOT Category 3 - may cause respiratory irritation  
Eye Irritation - Category 2 may cause eye irritation.

Signal word: Warning

Hazard Not Otherwise Classified (HNOC): None known

Pictogram:



#### Precautionary Statements:

Prevention: If granules are exposed, wear eye/face protection. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling

Response: Get medical attention if you feel unwell. If granules are swallowed, rinse mouth. If granules are in eyes, rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

Storage: Not applicable.

Disposal: Dispose of in accordance with all local, regional, national, and international regulations

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### **SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS**

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The specific non-hazardous chemical identity has been withheld as a trade secret

<u>Name</u>	<u>%</u>
An inert absorbent contained in a cartridge	100

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

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### **SECTION 4 FIRST-AID MEASURES**

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

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

**Eye Contact:** Check for and remove contact lenses. In case of contact, flush eyes with plenty of water for at least 20 minutes. Use fingers to ensure that eyelids are separated and that the eye is being irrigated. If irritation persists, get medical attention.

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Skin Contact:** Get medical attention if reddening or irritation symptoms occur.

**Ingestion:** Wash out mouth with water. If material has been swallowed, get medical attention or advice. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person.

Potential symptoms and effects, both acute and delayed:

**Eye Contact:** May cause serious eye irritation (abrasion).

Inhalation: May cause respiratory irritation.  
Skin Contact: May cause mechanical irritation (abrasion).  
Ingestion: May be harmful if swallowed. Irritating to stomach.

Potential chronic health effects:

Notes to physician: Treat symptomatically. No specific treatment  
Protection of first-aiders: No special measures required.

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**SECTION 5 FIRE-FIGHTING MEASURES**

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Extinguishing media:

Suitable extinguishing media: Flood with water

Unsuitable extinguishing media: None

Specific hazards arising from the chemical: None known

Hazardous thermal decomposition products: None known

Special protective actions for firefighters: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for firefighters: Firefighters should wear full protective gear.

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**

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

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

See Section 4 First Aid Measures.

Methods for cleaning up or taking up: Avoid contact with skin and eyes. Dry sweep and put in closed container for disposal.

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## SECTION 7

## HANDLING AND STORAGE

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

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

### Precautions for safe handling

Protective measures: Do not ingest. Avoid contact with eyes. Avoid breathing dust.

Conditions for safe storage: Store in accordance with local regulations. Store in original cartridge protected from direct sunlight in a cool and dry area.

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## SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

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

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

Occupational exposure limits: No exposure limit value known

Appropriate engineering controls: If user operations generate dust, use local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

### Personal protection

General hygiene measures: Wash hands, forearms and face thoroughly after handling any chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection: Although no exposure limit has been established for this product, the OSHA PEL for Particulates Not Otherwise Regulated (PNOR) of 15 mg/m<sup>3</sup> – total dust, mg/m<sup>3</sup> – respirable fraction is recommended. In addition, the ACGIH recommends 3mg/m<sup>3</sup> – respirable particles and 10 mg/m<sup>3</sup> – inhalable particles for Particles (insoluble or poorly soluble) Not Otherwise Specified (PNOS). If airborne concentrations exceed the appropriate standard/guideline, use NIOSH approved respiratory protection.

Skin Protection: Wear suitable protective clothing and gloves.

Eye/face protection: Safety glasses

Medical Surveillance: Not available

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**SECTION 9****PHYSICAL AND CHEMICAL PROPERTIES**

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Form:	granules
Color:	black
Upper/lower flammability or explosive limits:	Not Available
Odor:	odorless
Vapor Density:	Not Available
pH:	Not Available
Relative Density:	28.33 lb/cu ft
Melting point:	Not Available
Solubility in water:	Not Available
Boiling Point:	Not Available
Flash Point:	Not Available
Evaporation rate:	Not Available
Flammability:	Not Available
Partition coefficient:	Not Available
Ignition temp:	Not Available
Decomposition temp:	Not Available
Viscosity:	Not Available

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**SECTION 10****STABILITY AND REACTIVITY**

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

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

Reactivity:	No specific test data related to reactivity available.
Chemical Stability:	Stable
Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid:	Extremes of temperature and direct sunlight
Incompatible materials:	Reducing agents and oxidizing agents
Hazardous decomposition products:	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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**SECTION 11****TOXICOLOGY INFORMATION**

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

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

Information on the likely routes of exposure: Eye contact. Inhalation.

Information on toxicological effects

Acute toxicity: Not classified  
LD50 oral: Rat >10000 mg/kg  
Skin corrosion/irritation: Not classified  
Serious eye damage/irritation: Causes Eye irritation  
Respiratory/skin sensitization: Not classified  
Germ cell mutagenicity: Not classified  
Carcinogenicity: Not classified  
Reproductive toxicity: Not classified  
Specific target organ toxicity: May cause respiratory irritation  
Aspiration hazard: Not classified

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**SECTION 12 ECOLOGICAL INFORMATION**

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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 only the vapor corrosion inhibitor portion of the packet is as follows:

Toxicity

Conclusion/Summary: No additional information available

Persistence and degradability

Conclusion/Summary: No additional information available

Bioaccumulative potential

Conclusion/Summary: No additional information available

Mobility in soil

Conclusion/Summary: No additional information available

Other adverse effects

Conclusion/Summary: No additional information available

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**SECTION 13 DISPOSAL CONSIDERATIONS**

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Disposal methods: The generation of waste should be avoided or minimized wherever possible. This material should be disposed of in a safe way. Waste disposal should be in accordance with existing federal, state, provincial and or local environmental controls laws.

RCRA classification: If discarded in its purchased form, this product would not be a

hazardous waster either by listing or by characteristic. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether the material contained in the product should be classified as a hazardous waste. (40 CFR 261.20-24)

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**SECTION 14****TRANSPORT INFORMATION**

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UN Number: Not applicable

UN proper shipping name: Not applicable

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**SECTION 15****REGULATORY INFORMATION**

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SARA 311/312: None

SARA Title III Section 302:  
Extremely Hazardous Substances None

SARA Title III Section 313:  
Toxic chemicals None

US EPA CERCLA:  
Hazardous Substances (40 CFR 302) None

US Toxic Substances Control Act: Listed on the TSCA Inventory

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**SECTION 16****OTHER INFORMATION**

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Hazardous Material  
Information System:

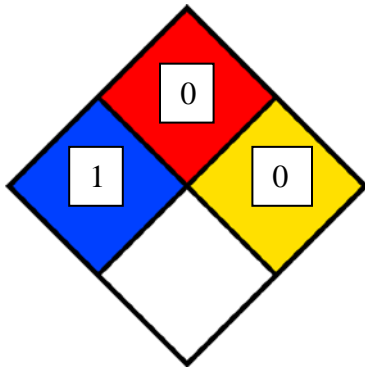
Health	1
Flammability	0
Physical hazards	0

0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme

The customer is responsible for determining the PPE code for this material.

When granules are exposed:

STOT Category 3 - may cause respiratory irritation  
Eye Irritation - Category 2 may cause eye irritation.



Blue = Health = 1  
Red = Flammability = 0  
Yellow = Physical Hazards = 0

0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

When granules are exposed:

STOT Category 3 - may cause respiratory irritation  
Eye Irritation - Category 2 may cause eye irritation.

Other Non-GHS Classification: D2B

Date: 06/18/2015

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