

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As used on Label and List)
Horta-Sorb Starch

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

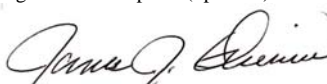
Section I

Manufacturer's Name
Horticultural Alliance, Inc.

Emergency Telephone Number
941-739-9121

Address (Number, Street, City, State, and ZIP Code)
1550 66th Avenue Drive East

Date Prepared
March 25, 2004

Signature of Preparer (optional)


Section II – Hazardous Ingredients/Identity Information

| Hazardous Components (Specific Chemical Identity; Common Names(s)) | OSHA PEL | ACGIH TLV | Other Limits Recommended | % (optional) |
|--|----------|-----------|--------------------------|--------------|
|--|----------|-----------|--------------------------|--------------|

Acrylonitrile

Caustic Potash – (Potassium Hydroxide, KOH)

Cerric Ammonium Nitrate

Nitric Acid

All ingredients neutralized during reaction

Section III – Physical/Chemical Characteristics

| | | | |
|---------------|------------|---|-------------|
| Boiling Point | N/A | Specific Gravity (H ₂ O – 1) | .412 |
|---------------|------------|---|-------------|

| | | | |
|-------------------------|------------|---------------|------------|
| Vapor Pressure (mm Hg.) | N/A | Melting Point | N/A |
|-------------------------|------------|---------------|------------|

| | | | |
|-------------------------|------------|--------------------------------------|------------|
| Vapor Density (AIR – 1) | N/A | Evaporation Rate (Butyl Acetate – 1) | N/A |
|-------------------------|------------|--------------------------------------|------------|

Solubility in Water
N/A (Non Soluble)

Appearance and Odor
Beige flake to white powder – no odor

Section IV – Fire and Explosion Hazard Data

| | | | |
|---|--------------------------------|-----|-----|
| Flash Point (Method Used) N/A | Flammable Limits N/A | LEL | UEL |
|---|--------------------------------|-----|-----|

Extinguishing Media
N/A

Special Fire Fighting Procedures
N/A

Unusual Fire and Explosion Hazards
None

(Reproduce locally)

OSHA 174, Sept. 1985

Section V – Reactivity Data

| | | |
|-----------|----------|---------------------|
| Stability | Unstable | Conditions to Avoid |
|-----------|----------|---------------------|

| | | | |
|--|--------|----------|--|
| | Stable | X | |
|--|--------|----------|--|

Incompatibility (materials to Avoid)

None

Hazardous Decomposition or Byproducts

Unknown

| | | | |
|--------------------------|---------------|----------|---------------------|
| Hazardous Polymerization | May Occur | | Conditions to Avoid |
| | May Not Occur | X | |

Section VI – Health Hazard Data

| | | | |
|--------------------|--|-------|------------|
| Route(s) of Entry: | Inhalation? Avoid Inhalation | Skin? | Ingestion? |
|--------------------|--|-------|------------|

Health Hazards (Acute Chronic)

| | | | |
|--------------------------------|--------------------|--------------------------------|-------------------------------|
| Carcinogenicity: N/A | NTP? N/A | IARC Monographs? N/A | OSHA Regulated? N/A |
|--------------------------------|--------------------|--------------------------------|-------------------------------|

Signs and Symptoms by Exposure

Medical Conditions
Generally Aggravated by Exposure

Emergency and First Aid Procedures
N/A

Section VII – Precautions for Sale Handling and Use

Steps to be taken in Case Material is Released or spilled

If spilled, sweep up and use or dispose. Material is slippery when wet.

Waste Disposal Method
Dispose in standard landfill, Small amounts can be flushed down drain.

Precautions to Be Taken in Handling and Storing
Keep material dry until ready to use to avoid slippery conditions.

Other Precautions

Section VII – Control Measures

Respiratory Protection (Specify Type)
Wear dust mask when handling

| | | |
|-------------|----------------------|---------|
| Ventilation | Local Exhaust | Special |
| | Mechanical (General) | Other |

Protective Gloves **N/A** Eye Protection **N/A**

Other Protective Clothing or Equipment
N/A

Work/Hygienic Practices
N/A