Material Safety Data Sheet

Gurtler Industries, Inc.
15475 South LaSalle Street
South Holland, IL  60473
(708)331-2550
(800)638-7300

1. PRODUCT INFORMATION

PRODUCT NAME          NDT FORMAL
PRODUCT TYPE          Fabric Sizing Product
CHEMICAL FAMILY       Carbohydrate

2. COMPOSITION/INFORMATION ON INGREDIENTS

NONE HAZARDOUS

3. PHYSICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pure Material or Mixture</td>
<td>Mixture</td>
</tr>
<tr>
<td>Physical Form</td>
<td>Liquid</td>
</tr>
<tr>
<td>Appearance/Physical Description</td>
<td>Opaque Blue Liquid</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>&gt;10000</td>
</tr>
<tr>
<td>pH AS IS</td>
<td>5.35</td>
</tr>
<tr>
<td>Boiling-Point</td>
<td>Not Noted</td>
</tr>
<tr>
<td>Solubility in Water</td>
<td>Miscible</td>
</tr>
<tr>
<td>Specific Gravity (Water = 1)</td>
<td>1.500</td>
</tr>
<tr>
<td>Bulk Density</td>
<td>Not Noted</td>
</tr>
<tr>
<td>Volatiles</td>
<td>Not Noted</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not Noted</td>
</tr>
<tr>
<td>Vapor Pressure (mmHg)</td>
<td>Not Noted</td>
</tr>
<tr>
<td>Vapor Density (Air = 1)</td>
<td>Not Noted</td>
</tr>
<tr>
<td>Volatile Organic Compounds</td>
<td>Not Noted</td>
</tr>
</tbody>
</table>

4. FIRE AND EXPLOSION DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Autoignition</td>
<td>See fire and explosion hazards</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not Noted</td>
</tr>
<tr>
<td>Upper Explosive Limit (%)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Lower Explosive Limit (%)</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Extinguishing Media</td>
<td>Dry Chemical; CO2; Water Fog; Foam</td>
</tr>
<tr>
<td>Special Firefighting Procedures</td>
<td>No special procedures are required</td>
</tr>
<tr>
<td>Fire &amp; Explosion Hazards</td>
<td>Minimum ignition temperature of dust cloud - Approx. 390°C. Minimum explosive concentration - Approx. 70 mg/1. Minimum energy to ignite cloud by electrical spark - Approx. 0.06 joules.</td>
</tr>
</tbody>
</table>

NFPA Flammability Hazard Class: 0 = Insignificant
5. HEALTH EFFECTS DATA

SHORT TERM EFFECTS OF EXPOSURE

ROUTE OF ENTRY
Eye Contact; Skin Contact; Inhalation; Ingestion

ACUTE EFFECTS - EYE
Particulates may scratch eye surfaces/cause mechanical irritation.

ACUTE EFFECTS - SKIN CONTACT
Low order of toxicity.

ACUTE EFFECTS - INHALATION
Low order of toxicity.

ACUTE EFFECTS - INGESTION
No hazard in normal industrial use.

FIRST AID PROCEDURES

EYE
Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

SKIN CONTACT
Wash with soap and water.

INHALATION
Remove to fresh air.

INGESTION
Not applicable.

LONG-TERM EFFECTS OF EXPOSURE

EFFECTS OF CHRONIC EXPOSURE
None

TARGET ORGANS
Not Applicable

SPECIAL HEALTH EFFECTS

CARCINOGEN (OSHA GUIDELINES)
No

PRODUCT TOXICOLOGY

NOTES ON ORAL TOXICITY
Low order of toxicity

NOTES ON DERMAL TOXICITY
Non-hazardous

NOTES ON INHALATION TOXICITY
Inert nuisance dust - ACGIH TLV = 10 mg/m3 total dust

NOTES ON EYE IRRITATION
Physical form may cause irritation.

6. ECOLOGICAL INFORMATION

Not noted.

7. RECOMMENDATIONS FOR PERSONAL PROTECTIVE EQUIPMENT

CONDITIONS UNDER WHICH PPE REQ'D
Normal Work Conditions

EYE PROTECTION REQUIREMENTS
Safety Glasses are optional

GLOVE REQUIREMENTS
Not Applicable

CLOTHING REQUIREMENTS
Not Applicable

CHANGE/REMOVAL OF CLOTHING
Not Noted

WASH REQUIREMENTS
Wash with soap and water

RESPIRATOR REQUIREMENTS
NIOSH approved dust mask

VENTILATION REQUIREMENTS
General
8. REACTIVITY

STABILITY
Stable

INCOMPATIBILITIES
None

NFPA REACTIVITY HAZARD CLASS
0 = Insignificant

HAZARDOUS DECOMPOSITION PRODUCTS
This product does not undergo spontaneous decomposition. Typical combustion products are carbon monoxide, carbon dioxide, nitrogen and water.

HAZARDOUS POLYMERIZATION
Will not occur.

9. SPILL AND LEAK PROCEDURES

SPILL OR LEAK PROCEDURES
Spills should be taken up with suitable absorbent and placed in containers. Spill area can be washed with water; collect wash water for approved disposal. Do not flush to storm sewer or waterway.

WASTE DISPOSAL METHODS
Waste disposal should be in accordance with existing federal, state and local environmental regulations.

10. HANDLING AND STORAGE PRECAUTIONS

STORAGE TEMPERATURE
Not Noted

HANDLING/STORAGE
Normal precautions for "nuisance dust" should be observed. Avoid prolonged inhalation of dust. Sweep up or vacuum up and place in suitable container for disposal.

11. SHIPPING INFORMATION

DOT INFORMATION

DOT SHIPPING NAME
NDT FORMAL

DOT HAZARD CLASS
Non-hazardous

DOT REPORTABLE QUANTITY
Not noted.

12. OTHER REGULATORY

TSCA
On TSCA Inventory

FDA
Not applicable

SARA/TITLE III
This product contains no substances at or above the reporting threshold under Section 313, based on data available.
13. REGULATORY CONTACT

MSDS DATE 05/26/99

--ADDITIONAL INFORMATION--

THE INFORMATION GIVEN AND THE RECOMMENDATIONS MADE HEREIN APPLY TO OUR PRODUCT(S) ALONE AND NOT COMBINED WITH OTHER PRODUCT(S). SUCH ARE BASED ON OUR RESEARCH AND ON DATA FROM OTHER RELIABLE SOURCES AND ARE BELIEVED TO BE ACCURATE. NO GUARANTY OF ACCURACY IS MADE. IT IS THE PURCHASER'S RESPONSIBILITY BEFORE USING ANY PRODUCT TO VERIFY THIS DATA UNDER THEIR OWN OPERATING CONDITIONS AND TO DETERMINE WHETHER THE PRODUCT IS SUITABLE FOR THEIR PURPOSES.