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

IDENTITY (as Used on Label and List)
Sodium Bisulfate

Section I
ManUFACTURERS /Distributor Address Number Street City State and Zip Code
Columbus Chemical Industries, Inc.
N4335 Temkin Road
Columbus, WI 53925-0008

Emergency Telephone Number
CHEMTREC 1 (800) 424-9300
1 (920) 623-2140
Date Prepared
12-08-2005
Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information
Hazardous Components (Specific Chemical Identity, Common Name(s)
Sodium Bisulfate 7681-38-1

Section III - Physical/Chemical Characteristics

<table>
<thead>
<tr>
<th>Boiling Point</th>
<th>Decomposes</th>
<th>Specific Gravity (H₂O = 1)</th>
<th>Not Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor Pressure (mm Hg)</td>
<td>Not Applicable</td>
<td>Melting Point</td>
<td>58 °C (137 °F)</td>
</tr>
<tr>
<td>Vapor Density (AIR = 1)</td>
<td>Not Available</td>
<td>Evaporation Rate (Butyl Acetate = 1)</td>
<td>Not Applicable</td>
</tr>
</tbody>
</table>

Solubility in Water
Soluble
Appearance and Odor
White granular solid.

Section IV Fire and Explosion Hazard Data

<table>
<thead>
<tr>
<th>Flash Point (Method Used)</th>
<th>Flammable Limits</th>
<th>LEL</th>
<th>UEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nonflammable</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td></td>
</tr>
</tbody>
</table>

Extinguishing Media
Use extinguishing media appropriate for surrounding fire.

Special Fire Fighting Procedures
In the event of a fire, wear full protective clothing and NIOSH/MSHA-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Unusual Fire and Explosion Hazards
May produce toxic fumes under fire conditions.
Unstable
Stable

Incompatibility Materials to Avoid
None known to CCI

Hazardous Decomposition or Byproducts
Carbon oxides, sodium oxides, sulfur oxides.

Hazardous Polymerization
| May Occur | Not available. |
| Will Not Occur | X |

Section VI Health Hazard Data

Routes of Entry
| Inhalation | Skin | Ingestion |
| Yes | Yes | Yes |

Health Hazards (Acute and Chronic)
SKIN: May cause irritation of skin. EYE: May cause eye irritation. INHALATION: May be harmful if inhaled. Material may cause irritation to the mucous membranes and upper respiratory tract. INGESTION: May be harmful if swallowed.

Carcinogenicity
| NTP | IARC Monographs | OSHA REGULATED? |
| Not Listed | Not Listed | Not Listed |

Signs and Symptoms of Exposure.
EYES: Redness, pain, tearing, conjunctivitis. SKIN: Redness, swelling, pain, itchiness, rash. INGESTION: Gastrointestinal pain, burning sensation, coughing, wheezing, laryngitis, shortness of breath, headache, nausea and vomiting.

Medical Conditions Generally Aggravated by Exposure
Unknown to CCI.

Emergency and First Aid Procedures
EYES: immediately flush with large amounts of water for at least 15 minutes. SKIN: remove contaminated clothing, wash area with soap and water. Get medical assistance if irritation persists. INHALATION: Seek medical attention if breathing is difficult. INGESTION: Do not induce vomiting. Contact a physician.

Section VII Precautions for Safe Handling and Use
Steps to be Taken in Case Material is Released or Spilled
Evacuate area. Wear chemical-resistant goggles, apron and rubber gloves. Absorb on suitable material, place in container and hold for waste disposal. Ventilate area and wash spill site after material pickup is complete.

Waste Disposal Method
Dispose of material in accordance with all applicable Federal, state, and local regulations.

Precautions to be Taken in Handling and Storing
Store in a cool, dry, well-ventilated area in tightly-closed, plainly-labelled containers. Store in a resistant area. Protect against moisture, physical damage and light. Maintain adequate ventilation. Wash thoroughly after handling. Do not ingest or breathe vapors.

Other Precautions
Containers, even when empty, will retain residue. Always obey hazard warnings and handle empty containers as if they were full.

Section VII Control Measures
Respiratory Protection (Specify Type)
Not required

Ventilation
Local Exhaust Recommended. Special Eye wash nearby.
Mechanical (General) Not required Other Safety shower nearby.

Protective Gloves
Appropriate chemical-resistant gloves.
Eye Protection Chemical safety goggles

Other Protective Clothing or Equipment
Lab coat or apron.

Work/Hygienic Practices
Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work area. Avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.