**PRODUCT NAME:** SODIUM HYDROSULFITE  
**DATE:** 05-Oct-2006

**CAS #:** N/A  
**MSDS No.** 201261  
**Revision No./Date**  04 05-Oct-2006  
**Detail Number**  00672/02

**FORMULA:** Mixture

**HEM. FAMILY:** inorganic salts

**CHEMICAL NAME AND SYNONYMS:**
- Salt Rust Raze;
- Morton Rust Raze Cleaner;
- Sodium Hydrosulfite Clearfas HTC, LSC;

**SUPPLIERS NAME:** Harcros Chemicals Inc.
5200 Speaker Road
Kansas City       KS 66106-1095

**SUPPLIERS PHONE NUMBER:** 913-321-3131
**TRANSPORTATION EMERGENCY PHONE NUMBER:** 1-800-424-9300

**S.A.R.A. INFORMATION**

**HAZARDS:** Acute

**PHYSICAL DATA:** Mixture  Solid

### SECTION I  HAZARDOUS INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>MAX</th>
<th>EPCRA</th>
<th>AIR CONTAMINANT LEVELS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cas Number</td>
<td>%</td>
<td>APPLIES</td>
<td>TWA/TLV</td>
</tr>
<tr>
<td>------------</td>
<td>-----</td>
<td>---------</td>
<td>---------</td>
</tr>
<tr>
<td>W/W</td>
<td>312</td>
<td>313</td>
<td>(ppm)</td>
</tr>
</tbody>
</table>

| Sodium Hydrosulfite | UNK | Y | N |
| (CAS # 7775-14-6 )  |     |   |   |

| Sodium Metabisulfite | UNK | Y | N | 0.6 |
| (CAS # 7681-57-4 )  |     |   |   | N  | OSHA |

| Sodium Pyrosulfite | UNK | Y | N | 0.6 |
| (CAS # 7681-57-4 ) |     |   |   | N  | ACGIH |

| Sodium Sulfite     | UNK | Y | N | As Sulfur Dioxide |
| (CAS # 7757-83-7 ) |     |   |   | TWA/TLV 2 ppm OSHA/ACGIH |

|                            |     |   |   | STEL 5 ppm OSHA/ACGIH |

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SECTION II  HEALTH HAZARDS

POTENTIAL EFFECTS OF EXPOSURE

EYES
Eye contact with product may cause severe irritation

SKIN
Skin contact may cause irritation, rash or a burning feeling

INHALATION
Inhalation may cause irritation. If used improperly under acidic conditions, can release sulfur
dioxide gas, which is toxic and can even cause death in extreme cases, for example, if the gas is
released in a poorly ventilated area.

INGESTION
Ingestion may cause irritation, abdominal pain, nausea, vomiting, diarrhea, or even death

TARGET ORGANS
OVEREXPOSURE MAY CAUSE DAMAGE TO,
DISORDERS OF, OR ADVERSELY AFFECT THE FOLLOWING SYSTEMS, FUNCTIONS, ORGANS: none currently
known

FIRST AID
FIRST AID EYES
Immediately flush eyes with plenty of water for at least 15 minutes, while holding eyelids apart
to ensure flushing of entire surface. Call a physician.

FIRST AID SKIN
Immediately flush skin with plenty of water for at least 15 minutes, while removing contaminated
clothing and shoes. Thoroughly clean clothing and shoes before reuse. Call a physician.

FIRST AID INHALATION
Remove to fresh air. If not breathing give artificial respiration, preferably mouth to mouth.
If breathing is difficult give oxygen. Call a physician.

FIRST AID INGESTION
DO NOT induce vomiting. Rinse mouth with water. Dilute stomach contents by drinking water. If
vomiting occurs spontaneously, keep head below hips to prevent breathing vomit into lungs. NEVER
GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Call a physician immediately.

OTHER INFORMATION
ROUTES OF ENTRY
skin contact  inhalation

OVEREXPOSURE MAY AGGRAVATE DISORDERS OF THE
none currently known

SECTION III SPECIAL PROTECTION

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SECTION III SPECIAL PROTECTION

PROTECTIVE EQUIPMENT

PROTECTIVE EQUIPMENT EYES
chemical goggles Always wear eye protection when working with chemicals. Do Not wear contact lenses when working with chemicals.

PROTECTIVE EQUIPMENT SKIN
clean protective clothing impervious gloves

PROTECTIVE EQUIPMENT INHALATION
If exposure limits are exceeded, or if exposure may occur, use a NIOSH/MSHA respirator approved for your conditions of exposure. Refer to the most recent NIOSH publications concerning chemical hazards, or consult your safety equipment supplier. Respiratory protection programs must be in compliance with OSHA requirements in 29 CFR 1910.134. For emergencies, a NIOSH/MSHA approved positive pressure breathing apparatus should be readily available.

VENTILATION REQUIRED:
Adequate ventilation is required to minimize exposure or to maintain exposure levels below OSHA/ACGIH requirements.

ADDITIONAL PROTECTIVE MEASURES
Safety shower, eye wash fountain, and washing facilities should be readily available.

SECTION IV FIRE & EXPLOSION HAZARD DATA

Flash Point (METHOD): > OR = N/A
Flammable Limits (% Volume in Air) UPPER: N/D Lower: N/D

HMIS Health: 1
Flammability: 3
Reactivity: 4

EXTINGUISHING MEDIA
flood with water

FIRE FIGHTING PROCEDURES
Prevent human exposure to fire, fumes, smoke, and products of combustion. Evacuate non essential personnel. Firefighters should wear full face, self contained breathing apparatus and impervious protective clothing.

UNUSUAL FIRE & EXPLOSION HAZARDS
Dust can be an explosion hazard. Prevent buildup of dust on walls, floors, and equipment. Toxic fumes may be released.

SECTION V PHYSICAL DATA
SECTION V PHYSICAL DATA

- Boiling Point:  N/D
- Freezing Point:  N/D
- Specific Gravity (H(2)O=1):  N/D
- Vapor Pressure (MM HG.):  N/D
- Vapor Density (AIR=1):  N/D
- Evaporation Rate (NA=1):  N/D
- Solubility in Water: Soluble
- Percent Volatile by Volume: 0
- pH: aqueous approx. N/D
- Appearance:  SOLID
- Odor:  NIL

SECTION VI REACTIVITY DATA

STABILITY
Stable when stored in container under proper conditions.

INCOMPATABILITY
- inorganic acids  bleaching agents (oxidizers)  Avoid contact with bleaching agents and oxidizers which include chlorine, oxygen, permanganates, perchlorates, percarbonates, peroxides, chromates, hypochlorites, nitric acid, and sulfuric acid.
- oxides of sulfur  Miscellaneous organic compounds, some possibly toxic.

HAZARDOUS DECOMPOSITION PRODUCTS
- Will not occur

SECTION VII SPILL AND LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
- Evacuate non essential personnel, eliminate ignition sources, and wear protective equipment (See Section III). Shut off source of leak only if safe to do so. Contain spill. Recover free product. To clean up residue, flush sparingly with water or use an absorbent. Avoid runoff to ground water, surface waters, and sewers. It may be necessary to remove contaminated soil. If product is flammable or combustible, use non sparking tools. If acidity (low pH) is a problem, neutralize with hydrated lime, soda ash, or sodium bicarbonate. If alkalinity (high pH) is a

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problem neutralize with dilute acetic acid or dilute hydrochloric (muriatic) acid. If required, notify state and local authorities.

DISPOSAL METHOD
Material that cannot be used or chemically reprocessed should be disposed of at an approved facility in accordance with any applicable regulations under the Resource Conservation and Recovery Act. Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State.

SECTION VIII

Proper Shipping Name: SODIUM HYDROSULFITE
Hazard Class: 4.2, UN1384, PGII
Label Requirements: SPONTANEOUSLY COMBUSTIBLE
Reportable Quantity: None

SECTION IX ADDITIONAL INFORMATION

PRECAUTIONS
Wear protective equipment when handling. Use only with adequate ventilation. Wash thoroughly after handling. Do Not breathe dust. Do Not get in eyes, on skin, or clothing. Do not swallow.

HANDLING
Keep away from acids. For industrial use only. ATTENTION: This container hazardous when emptied. Since emptied container contains product residues (vapor or liquid), all labeled hazard precautions must be observed.

STORAGE
Keep container closed when not in use. Store in a cool dry place. Store away from oxidizers. Keep out of reach of children.

TSCA Status: Listed

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Harcros Chemicals Inc
MATERIAL SAFETY DATA SHEET

PRODUCT NAME : SODIUM HYDROSULFITE
DATE: 05-Oct-2006

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DATE ISSUED: 930921
DATE REVISED: 061005

< = LESS THAN                  N/A = NOT APPLICABLE
> = MORE THAN                  N/D = NOT DETERMINED

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