



|  |  |   |
|--|--|---|
| <b>NFPA</b><br> | <b>HCS Risk Phrases</b><br><b>HCS CLASS:</b> | <b>Protective Clothing</b><br> |
|--|--|---|

**Section I. Chemical Product and Company Identification**

|                            |  |   |
|----------------------------|--|---|
| Common Name/<br>Trade Name | <b>SODIUM THIOSULFATE, PENTAHYDRATE</b>  | Revision Date: 5-16-05  |
| Supplier                   | FRITZ INDUSTRIES, INC.<br>500 SAM HOUSTON ROAD<br>MESQUITE, TX 75149<br>(972) 285-5471<br>(800) 955-1323 | In Case of Emergency.<br>(800) 424-9300<br>Week Days:<br>(972) 285-5471<br>(800) 955-1323 |
| Chemical Family            |  |   |
| Material Uses              |  |   |

**Section II. Composition and Information on Ingredients**

| Name                             | CAS #      | % by Weight | TLV/PEL | LC <sub>50</sub> /LD <sub>50</sub> |
|----------------------------------|------------|-------------|---------|------------------------------------|
| SODIUM THIOSULFATE, PENTAHYDRATE | 10102-17-7 | 100         |         |                                    |

**Section III. Hazards Identification**

|                    |  |
|--------------------|--|
| Emergency overview | MAY CAUSE EYE IRRITATION AND SKIN IRRITATION. HYGROSCOPIC. MAY CAUSE RESPIRATORY AND DIGESTIVE TRACT IRRITATION.   |
| Eye contact        | MAY CAUSE EYE IRRITATION   |
| Skin               | PROLONGED AND/OR REPEATED CONTACT MAY CAUSE IRRITATION AND/OR DERMATITIS.  |
| Inhalation         | MAY CAUSE RESPIRATORY TRACT IRRITATION. LOW HAZARD FOR USUAL INDUSTRIAL HANDLING. THE TOXICOLOGICAL PROPERTIES OF THIS SUBSTANCE HAVE NOT BEEN FULLY INVESTIGATED. |
| Ingestion          | INGESTION OF LARGE AMOUNTS MAY CAUSE GASTROSINTESTINAL IRRITATION. THE TOXICOLOGICAL PROPERTIES OF THIS SUBSTANCE HAVE NOT BEEN FULLY INVESTIGATED.                |
| Chronic exposure   | NO INFORMATION FOUND.  |

**Section IV. First Aid Measures**



|              |  |
|--------------|--|
| Eye Contact  | FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES, OCCASIONALLY LIFTING THE UPPER AND LOWER EYELIDS. GET MEDICAL AID.  |
| Skin Contact | FLUSH SKIN WITH PLENTY OF SOAP AND WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. GET MEDICAL AID IF IRRITATION DEVELOPS OR PERSISTS. WASH CLOTHING BEFORE REUSE. |
| Inhalation   | REMOVE FROM EXPOSURE TO FRESH AIR IMMEDIATELY. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. GET MEDICAL AID.   |
| Ingestion    | NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL AID. DO NOT INDUCE VOMITING. IF CONSCIOUS AND LERT, RINSE MOUTH AND DRINK 2 TO 4 CUPFULS OF MILK OR WATER.                    |

**Section V. Fire and Explosion Data**

|   |  |
|---|--|
| Flammability of the Product                         | THIS MATERIAL IS NOT CONSIDERED FLAMMABLE.   |
| Explosion Hazards in Presence of Various Substances | NONE KNOWN   |
| Fire Fighting Media and Instructions                | USE AGENT MOST APPROPRIATE TO EXTINGUISH FIRE. USE WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE, OR APPROPRIATE FOAM. WEAR A SELF-CONTAINED BREATHING APPARATUS IN PRESSURE-DEMAND, MSHA/NIOSH (APPROVED OR |

|  |   |   |
|--|---|---|
|  | EQUIVALENT), AND FULL PROTECTIVE GEAR. DURING A FIRE, IRRITATING AN HIGHLY TOXIC GASES MAY BE GENERATED BY THERMAL DECOMPOSTION OR COMBUSTION. WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES. WEAR A SELF-CONTAINED BREATHING APPARATUS (SCBA) TO PREVENT CONTACT WITH THERMAL DECOMPOSITION PRODUCTS. |   |
| <b>Section VI. Accidental Release Measures</b>                 |   |   |
| Leak/Spill   | VACUUM OR SWEEP UP MATERIAL AND PLACE INTO A SUITABLE DISPOSAL CONTAINER. CLEAN UP SPILLS IMMEDIATELY, OBSERVING PRECAUTIONS IN THE PROTECTIVE EQUIPMENT SECTION. AVOID GENERATING DUSTY CONDITIONS. PROVIDE VENTILATION.   |   |
| Disposal   | RECYCLE OR DISPOSE IN LOCAL LAND FILL PER LOCAL, STATE, AND FEDERAL REGULATIONS.  |   |
| <b>Section VII. Handling and Storage</b>                       |   |   |
| Handling   | WASH THOROUGHLY AFTER HANDLING. USE WITH ADEQUATE ENTILATION. MINIMIZE DUST GENERATION AND ACCUMULATION. AVOID PROLONGED OR REPEATED CONTACT WITH SKIN. AVOID CONTACT WITH EYES, SKIN, AND CLOTHING. KEEP CONTAINER TIGHTLY CLOSED. AVOID INGESTION AND INHALATION.   |   |
| Storage  | STORE IN A TIGHTLY CLOSED CONTAINER. KEEP FROM CONTACT WITH OXIDIZING MATERIALS. STORE IN A COOL, DRY, WELL-VENTILATED AREA AWAY FROM INCOMPATIBLE SUBSTANCES. KEPP AWAY FROM STRONG ACIDS. STORE PROTECTED FROM MOISTURE.  |   |
| <b>Section VIII. Exposure Controls/Personal Protection</b>     |   |   |
| Engineering Controls   | FACILITIES STORING OR UTILIZING THIS MATERIAL SHOULD BE EQUIPPED WITH AN EYEWASH FACILITY AND A SAFETY SHOWER. USE ADEQUATE VENTILATION TO KEEP AIRBORNE CONCENTRATIONS LOW.  |   |
| Personal Protection  | WEAR PROTECTIVE EYEGLASSES OR CHEMICAL SAFETY GOGGLES AS DESCRIBED BY OSHA'S EYE AND FACE PROTECTION REGULATIONS IN 29 CFR 1910.133 OR EUROPENA STANDARD EN166.<br>WEAR APPROPRIATE PROTECTIVE GLOVES TO PREVENT SKIN IRRITATION.<br>WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT SKIN IRRITATION.                               |   |
| Personal Protection in Case of a Large Spill                   | RESPIRATORS: A RESPIRATORY PROTECTION PROGRAM THAT MEETS OSHA'S 29 CFR 1910.134 AND ANSI Z88.2 REQUIREMENTS OR EUROPEAN STANDARD EN 149 MUST BE FOLLOWED WHENEVER WORKPLACE CONDIDTIONS WARRANT A RESPIRATOR'S USE  |   |
| <b>Section IX. Physical and Chemical Properties</b>            |   |   |
| Physical state and Appearance                                  | SOLID   | odor: ODORLESS<br>color: COLORLESS TO WHITE |
| Specific Gravity   | 1.7290 G/CM <sup>3</sup>  |   |
| pH   | N/A   |   |
| Solubility   | 680 G/L WATER (20°C)  |   |
| <b>Section X. Stability and Reactivity Data</b>                |   |   |
| Stability  | STABLE  |   |
| Incompatibility with various substances                        | MOISTURE, STRONG ACIDS, STRONG BASES, STRONG OXIDIZIING AGENTS.   |   |
| Special Remarks for Reactivity                                 | NONE  |   |
| <b>Section XI. Toxicological Information</b>                   |   |   |
| Routes of Entry  | INHALATION, SKIN, INGESTION, EYES   |   |
| Toxic Effects on Humans  | MAY CAUSE DIARRHEA, IRRITATION OF THE RESPIRATORY TRACT, SKIN INFLAMMATION, MECHANICAL IRRITATION, WATERING OF THE EYES   |   |
| Special Remarks on other Toxic Effects on Humans               |   |   |
| <b>Section XIV. Transport Information</b>                      |   |   |
| DOT Classification   | NOT RESTRICTED  |   |
| <b>Section XV. Other Regulatory Information and Pictograms</b> |   |   |
| Other Classifications  | WHMIS (Canada)  | Not Classified                              |
|  | DSCL (EEC)  |   |

SODIUM THIOSULFATE, PENTAHYDRATE

|               |   |   |        |   |  |
|---------------|---|---|--------|---|--|
| HMIS (U.S.A.) |  <p> <b>1 HEALTH</b><br/> <b>0 FLAMMABILITY</b><br/> <b>0 REACTIVITY</b><br/> <b>PROTECTIVE EQUIPMENT</b> </p> | National Fire Protection Association (U.S.A.) | Health |  | Fire Hazard<br>Reactivity<br>Specific Hazard |
|---------------|---|---|--------|---|--|

**Section XVI. Other Information**

Notice to Reader

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Fritz Industries, Inc. assumes no responsibility for personal injury or property damage to vendees, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of the material.