

MATERIAL SAFETY DATA SHEET: BLOT!

Section I - General Information

(000000-000000- - 5878)

Date of Issue: 12/30/1996 12:00:00 AM
Chemical Name & Synonyms: N/A
Chemical Family: THIOSULFATE SOLUTION
Manufacturer Name: CERTIFIED LABS, DIV. OF NCH CORP.
Manufacturer Address: BOX 152170 IRVING, TEXAS 75015
Prepared By: R STOLLEY/CHEMIST

Supercedes: 11/22/1994 12:00:00 AM
Trade Name & Synonyms: BLOT!
Formula is a mixture: [v]

Product Code Number: 5878
Emergency Phone Number: 800-424-9300

Section II - Hazardous Ingredients

THE HAZARDS PRESENTED BELOW ARE THOSE OF THE INDIVIDUAL COMPONENTS

Table with 6 columns: Chemical Name (Ingredients), Hazard, TLV, PEL, STEL, CAS #. Rows include Sodium Thiosulfate Pentahydrate and Sodium Lauryl Sulfate.

Section IIa - Non-Hazardous Ingredients

(NON-HAZARDOUS INGREDIENT NAMES AND CAS NUMBERS ARE PROTECTED UNDER NJ TRADE)
Secret Registry #: 409363- 5401P

Section III - Physical Data

Boiling Point (?F):212
Vapor Pressure (mm Hg):18
Vapor Density (Air=1):0.6
pH @ 100% :8.5
% Volatile by Volume:96
H2O Solubility:COMPLETE
Specific Gravity (H2O=1):1.025
Color:WATER-WHITE
Odor:BABY POWDER
Clarity:TRANSPARENT
Evaporation Rate (BuAc=1):0.10
Viscosity:NON-VISCOUS

Section IV - Fire and Explosion Hazard

Flash Point: NON-FLAM
Flammable Limits: N/A
LEL: N/A
Method Used: T.C.C.C.
UEL: N/A
Aerosol Level (NFPA 30B): N/A

Table for Extinguishing Media: [v] Foam, [v] Alcohol Foam, [v] CO2, [v] Dry Chemical, [v] Water Spray, [ ] Other

Table for NFPA 704 Hazard Rating: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Insignificant. Health: 1, Flammability: 1, Instability: 0, Special:

Special Fire Fighting Procedures: PRODUCT IS NON-FLAMMABLE. CHOOSE EXTINGUISHING MEDIA APPROPRIATE FOR THE SURROUNDING FIRE. IN ALL FIRES INVOLVING CHEMICALS, WEAR A SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

Unusual Fire and Explosion Hazards: SODIUM SULFIDE (THERMAL DECOMPOSITION PRODUCT) IS FLAMMABLE AND A STRONG IRRITANT TO TISSUE. INCOMPATIBLE WITH ACIDS. TEMPERATURES > 212 F. CAN YIELD SULFUR DIOXIDE.

Section V - Health and Hazard Data

Threshold Limit Value: NOT ESTABLISHED FOR MIXTURE. SEE SECTION II.

Effects of Overexposure:

Acute: (Short Term Exposure) INGESTION MAY CAUSE GASTROINTESTINAL DISTURBANCES. MAY CAUSE SLIGHT SKIN IRRITATION. INHALATION OF MIST MAY CAUSE MILD RESPIRATORY IRRITATION WITH COUGHING AND SNEEZING. MAY CAUSE MILD EYE IRRITATION WITH POSSIBLE REDNESS.

Chronic: (Long Term Exposure) DIRECT CONTACT WITH EYES FOR A PROLONGED PERIOD OF TIME CAN CAUSE CORNEAL REDNESS. PROLONGED UNDILUTED SKIN CONTACT MAY CAUSE REDDENING OF SKIN, IRRITATION LEADING POTENTIALLY TO DERMATITIS. TARGET ORGANS: NONE. ALTHOUGH THERE IS NO PRIMARY ROUTE OF ENTRY INTO THE BODY, THE PRIMARY ROUTE OF EXPOSURE IS SKIN CONTACT.

Table for Primary Routes of Entry: [ ] Inhalation, [ ] Ingestion, [ ] Absorption

Emergency First Aid Procedures:

Inhalation: REMOVE FROM THE AREA TO FRESH AIR. SEEK MEDICAL ATTENTION IF RESPIRATORY IRRITATION DEVELOPS OR IF BREATHING BECOMES DIFFICULT.

Eye Contact: RINSE THE EYES WITH WATER. REMOVE ANY CONTACT LENSES AND CONTINUE FLUSHING WITH PLENTY OF WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

Skin Contact: WASH AFFECTED AREAS WITH PLENTY OF SOAP AND WATER FOR SEVERAL MINUTES. SEEK MEDICAL ATTENTION IF IRRITATION DEVELOPS.

Ingestion: GIVE 3 TO 4 GLASSES OF WATER, BUT DO NOT INDUCE VOMITING. IF VOMITING OCCURS, GIVE FLUIDS AGAIN. SEEK MEDICAL ATTENTION IF DISCOMFORT OCCURS.

Notes to Physician:  
N/A

**Section VI - Toxicity Information**

Product Contains Chemicals Listed as Carcinogen or Potential Carcinogen By:  IARC  NTP  OSHA  ACGIH  Other

SODIUM THIOSULFATE PENTAHYDRATE  
 ORL-HMN TDLO: 300MG/KG/7D PUL 3.  
 IVN-DOG LDLO: 3000MG/KG 3.  
 LARGE AMOUNTS OF SODIUM THIOSULFATE TAKEN ORALLY HAVE NO ILL EFFECTS  
 BESIDES CATHARSIS. 3.  
 SODIUM LAURYL SULFATE  
 ORL-RAT LD50:1288 MG/KG 3.  
 SKN-HMN 250 MG/24H MILD 3.  
 EYE-RBT 100 MG/25H MOD 3.  
 PRODUCT MIXTURE  
 PRODUCT MIXTURE WAS TESTED AND PER FHSA/CPSC REGULATIONS WAS DETERMINED  
 TO BE A MILD EYE IRRITANT. 4.  
 PRIMARY IRRITATION TEST (SKIN RABBIT): 1.34, SLIGHT IRRITANT. 4.

**Section VII - Reactivity Data**

<p><b>Stability</b></p> <p><input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable</p> <p><b>Conditions to Avoid:</b> TEMPERATURES GREATER THAN 212 F.</p>	<p><b>Hazardous Polymerization</b></p> <p><input checked="" type="checkbox"/> Will not occur <input type="checkbox"/> May occur</p> <p><b>Conditions to Avoid:</b> N/A</p>
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**Incompatibility (Materials to Avoid):**  
 STRONG OXIDIZERS CAUSE VIGOROUS EXOTHERMIC REACTIONS. ACIDS RE- LEASE SULFUR DIOXIDE GAS. AVOID H2O-REACTIVE CHEMICALS(SODIUM).

**Hazardous Decomposition Products:**  
 OXIDES OF SULFUR AND SODIUM SULFIDE.

**Section VIII - Spill Or Leak Procedures**

**Steps to be Taken if Material is Released or Spilled:**  
 FLUSH SURFACE WITH LARGE VOLUMES OF WATER & FLUSH DOWN DRAIN IF PERMITTED BY APPLICABLE DISPOSAL REGULATIONS. WASTE MATERIALS MIGHT HAVE TO BE DISPOSED OF BY AN APPROVED CONTRACTOR.

**Waste Disposal Method(s):**  
 DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

**Neutralizing Agent:**  
 FLUSH WITH LARGE AMOUNTS OF WATER.

**Section IX - Special Protection Information**

**Required Ventilation:**  
 GENERAL EXHAUST IS ADEQUATE.

**Respiratory Protection:**  
 IF MISTY CONDITIONS PREVAIL, WEAR NIOSH APPROVED MIST RESPIRATOR.

**Glove Protection:**  
 NOT NORMALLY REQUIRED WITH TYPICAL USE OF THE PRODUCT.

**Eye Protection:**  
 SAFETY GLASSES IF THE METHOD OF APPLICATION PRESENTS THE LIKELIHOOD OF EYE CONTACT.

**Other Protection:**  
 N/A

**Section X - Storage and Handling Information**

<p><b>Storage Temperature</b></p> <p>Max: 120°F. Min: 32°F.</p>	<p><b>Storage Conditions</b></p> <p><input checked="" type="checkbox"/> Indoors <input checked="" type="checkbox"/> Outdoors <input type="checkbox"/> Heated <input type="checkbox"/> Refrigerated</p>
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**Precautions to be Taken in Handling and Storing:**  
 STORE AT MODERATE TEMPERATURES. KEEP BELOW 212°F.

**Other Precautions:**  
 KEEP OUT OF REACH OF CHILDREN. READ THE ENTIRE LABEL BEFORE USING THIS PRODUCT.

**Section XI - Regulatory Information**

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Upper % Limit</u>
None.		

Those Ingredients listed above are subject to the reporting requirements of 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

Please call 1-800-527-9919 for additional information if you are a California customer. This MSDS is not intended for users in the state of California.

**Section XII - References**

1. THRESHOLD LIMIT VALUES FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS AND BIOLOGICAL EXPOSURE INDICES, ACGIH, 1995-1996.
  2. OSHA PEL
  3. SAX'S DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS, EIGHTH EDITION, RICHARD J. LEWIS, SR.
  4. VENDOR TEST DATA.
- IRR: IRRITANT, FLAM/FLAMM: FLAMMABLE, COMB: COMBUSTIBLE, CORR: CORROSIVE, CARC: CARCINOGENIC, TOX: TOXIC, N/A: NOT APPLICABLE, N/E: NOT ESTABLISHED, COC: CLEVELAND OPEN CUP, PMCC: PENSKY-MARTIN CLOSED CUP, TCC: TAGLIABUE CLOSED

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CUP, LEL:LOWER EXPLOSION LIMIT, UEL:UPPER EXPLOSION LIMIT, NFPA:NATIONAL FIRE PROTECTION ASSOCIATION, IARC:INTERNATIONAL AGENCY FOR THE RESEARCH ON CANCER, NTP:NATIONAL TOXICOLOGY PROGRAM, OSHA:OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION, ACGIH:AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS, TLV:THRESHOLD LIMIT VALUE, PEL:PERMISSIBLE EXPOSURE LEVEL, STEL:SHORT TERM EXPOSURE LIMIT, MLD:MILD, MOD:MODERATE, SEV:SEVERE, MUT:MUTAGENIC, ASPHYX:ASPHYXIAN

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