

MATERIAL SAFETY DATA SHEET

General Information

Company's Name: The Chemistry Store.com Inc.
Company's Address: 1133 Walter Price St Cayce, SC 29033
Company's Emerg Ph #: 1-800-535-5053 (Infotrak)
Company's Info Ph #: 1-800-224-1430
Date MSDS Prepared: 2/1/07

PRODUCT NAME: Sodium Metabisulfite

Ingredients/Identity Information

Ingredient: SODIUM METABISULFITE Percent: 100 NIOSH (RTECS) Number: UX8225000 CAS Number: 7681-57-4 OSHA PEL: 5 MG/M3
ACGIH TLV: 5 MG/M3; 9192

Physical/Chemical Characteristics

Appearance And Odor: WHITE TO OFF WHITE POWDER OR CRYSTALS Boiling Point: UNKNOWN Melting Point: DECOMPOSES Vapor Pressure (MM Hg/70 F): UNKNOWN Vapor Density (Air=1): UNKNOWN Specific Gravity: 1.5 Decomposition Temperature: 302F,150C Evaporation Rate And Ref: UNKNOWN Solubility In Water: APPRECIABLE Viscosity: UNKNOWN pH: 4.5 1%

Fire and Explosion Hazard Data

Flash Point: NONFLAMMABLE Lower Explosive Limit: UNKNOWN Upper Explosive Limit: UNKNOWN Extinguishing Media: USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE. Special Fire Fighting Proc: WEAR SELF-CONTAINED BREATHING APPARATUS W/ FULL FACEPIECE OPERATED POSITIVE PRESSURE OR PRESSURE DEMAND MODE. Unusual Fire And Expl Hazrds: NONE INDICATED. MAY RELEASE HAZARDOUS GAS. DO NOT RELEASE RUNOFF FROM FIRE CONTROL TO SEWERS OR WATERWAYS.

Reactivity Data

Stability: YES Cond To Avoid (Stability): EXCESSIVE HEAT, OPEN FLAME, MOISTURE. Materials To Avoid: WATER, ACID, Hazardous Decomp Products: SULFUR DIOXIDE Hazardous Poly Occur: NO Conditions To Avoid (Poly): WILL NOT OCCUR.

Health Hazard Data

LD50-LC50 Mixture: LD50 (ORAL RAT) = 115 MG/KG Route Of Entry - Inhalation: YES Route Of Entry - Skin: YES Route Of Entry - Ingestion: YES Health Haz Acute And Chronic: ACUTE EFFECTS INCLUDE EYE & MUCOUS MEMBRANE IRRITATION. DECOMPOSITION PRODUCES SULFUR OXIDES WHICH ARE HAZARDOUS BUT EASILY DETECTED & THUS UNLIKELY TO CAUSE ACUTE POISONING. HOWEVER, IF UNABLE TO ESCAPE, CAN CAUSE PULMONARY DAMAGE. CHRONIC-MAY CAUSE DERMATITIS & SENSITIZATION. Carcinogenicity - NTP: NO Carcinogenicity - IARC: NO Carcinogenicity - OSHA: NO Explanation Carcinogenicity: IARC, NTP & OSHA DO NOT LIST SODIUM METABISULFITE AS A CARCINOGEN. Signs/Symptoms Of Overexp: EYE:IRRITATION. SKIN:IRRITATION, SENSITIZATION DERMATITIS. INHALATION:COUGHING, HORSENESS, SNEEZING, TEARING, BREATHING DIFFICULTY. INGESTION:MFR GAVE NO INFORMATION OF MSDS. Med Cond Aggravated By Exp: CAPABLE OF PROVOKING BRONCHOSPASM IN SULFITE-SENSITIVE INDIVIDUALS WHO HAVE ASTHMA. Emergency/First Aid Proc: IF IRRITATION PERSISTS OR IS SEVERE, GET MEDICAL ATTENTION. EYE: FLUSH W/WATER FOR 15 MIN. SKIN:WASH W/SOAP & WATER. REMOVE CONTAMINATED CLOTHING & LAUNDRER BEFORE REUSE. INHALED:REMOVE FROM EXPOSURE. AID OR RESTORE BREATHING AS NEEDED. INGESTED:DO NOT INDUCE VOMITING. GIVE 1-2 GLASSES OF MILK OR WATER TO DRINK. GET IMMEDIATE MEDICAL ATTENTION. NOTHING BY MOUTH IF UNCONSCIOUS.

Precautions for Safe Handling and Use

Steps If Matl Released/Spill: WEAR PERSONAL PROTECTIVE EQUIPMENT. FIND LEAKS BY SPRAYING AREA W/AMMONIA WHICH FORMS A WHITE FUME IN PRESENCE OF SULFUR DIOXIDE. HANDLE LARGE SPILLS ACCORDING TO A PREDETERMINED PLAN. Neutralizing Agent: ALKALINE MATERIAL SUCH AS CAUSTIC SODA. Waste Disposal Method: WASTE SODIUM METABISULFITE IS NORMALLY CONSIDERED TO BE NON-HAZARDOUS. FOLLOW APPLICABLE FEDERAL, STATE & LOCAL REGULATIONS. Precautions-Handling/Storing: AVOID HEAT & MOISTURE. STORE IN AREAS AWAY FROM HEAT & MOISTURE & APROTECTED FROM PHYSICAL DAMAGE. SEGREGATE FROM ACIDS & OXIDIZERS. Other Precautions: AVOID CONTACT W/PRODUCT. DO NOT BREATHE DUST OR VAPOR

Control Measures

Respiratory Protection: FOLLOW OSA REGULATIONS 29CFR1910.134. WEAR MSHA/ NIOSH APPROVED RESPIRATOR IF NECESSARY. Ventilation: USE MECHANICAL (GENERAL) VENTILATION & LOCAL EXHAUST TO KEEP EXPOSURE <OSHA LIMITS. LOCAL EXHAUST IS PREFERRED. Protective Gloves: PROTECTIVE GLOVES Eye Protection: PROTECTIVE EYEGASSES OR GOGGLES Other Protective Equipment: PROTECTIVE CLOTHING & BOOTS AS NECESSARY; EYEWASH FOUNTAIN & SAFETY SHOWER NEARBY & READY FOR USE. Work Hygienic Practices: PRACTICE GOOD PERSONAL HYGIENE AFTER USING THIS THIS MATERIAL ESPECIALLY BEFORE FOOD OR BEVERAGE CONSUMPTION.QUICK DRENCH SHOWER AND IMPERVIOUS CLOTHING Work Hygienic Practices: OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.