

Material Safety Data Sheet

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FOR CHEMICAL EMERGENCY: CALL INFOTRAC 1-800-535-5053 24 Hrs. per day, 7 days per week

Date Revised: June 5, 2006

PRODUCT IDENTIFICATION

Product Name: **Sodium Perborate**
Cat. # / Size: **11508 / 100 gr.**
Chemical Name: Sodium Perborate Tetrahydrate
Molecular Formula: NaBO₃ 4 H₂O
Synonyms: Perboric Acid Sodium Salt
Chemical Family: Inorganic Borate

HAZARDOUS INGREDIENTS

Components: This product contains the following toxic chemical subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

Sodium Perborate: CAS Reg No. 10486-00-7, 100%, LD50 2,660 mg/kg Oral Rat.

PHYSICAL PROPERTIES

Boiling Point: 120°C (loses water) Melting Point: 57°C (134.6°F)
Specific Gravity: 1.730 pH (1% in H₂O): 8.50
Vapor Pressure: Negligible/25°C
Solubility in water: 2.5 g/100ml/25°C
Appearance and Odor: White crystalline granules. Odorless.

FIRE AND EXPLOSION DATA

Flash Point: Not combustible
Extinguishing Media: Dry chemical, foam or carbon dioxide
Special Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Unusual Fire and Explosion Hazards: Emits toxic fumes under fire conditions.

HEALTH HAZARD DATA

Effect of Overexposure: May be harmful by inhalation, ingestion, or skin absorption. Causes eye and skin irritation. Material is irritating to mucous membranes and upper respiratory tract. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Emergency and First Aid Procedure: In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes. In case of contact, immediately wash skin with soap and copious amounts of water. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician and wash contaminated clothing before reuse.

Chronic Effect(s) of Overexposure: None known
Primary route(s) of entry: Skin, mouth, nose

REACTIVITY DATA

Stability: Decomposes in moist or warm conditions giving off oxygen.
Incompatibility/Avoid Contact With: Sensitive to air
Hazardous Decomposition Product: Boron Oxides
Hazardous Polymerization: Will not occur
Condition to Avoid: Decomposes above 60°C

SPILL OR LEAK PROCEDURE

Steps To Be Taken In Case Material Is Released Or Spilled: Evacuate area and wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Sweep up, place in a bag and hold for waste disposal. Avoid raising dust and ventilate area. Wash spill site after material pickup is complete.

Waste Disposal Method: For small quantities: Cautiously add to a large stirred excess of water. Adjust the pH to neutral, separate any insoluble solids or liquids and package them for hazardous-waste disposal. Flush the aqueous solution down the drain with plenty of water. The hydrolysis and neutralization reactions may generate heat and fumes which can be controlled by the rate of additional water. Observe all federal, state and local laws.

SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify type): For conditions of use where exposure to the dust is apparent, a dust/mist respirator may be worn.

Ventilation:

Local Exhaust: One which captures the contaminant at its source is recommended.

Mechanical (General): Required

Special: Avoid contact with warm water

Other: None

Protective Gloves: Impervious

Eye Protection: Safety goggles

Other Protective Equipment: Safety shower and eye bath

SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storage: Keep in a tightly closed container and store in a cool, dry, ventilated area away from sources of heat.

Other Precautions: Avoid high humidities and temperature above 32°C (90°F) to prevent loss of oxygen and caking.

REQUIREMENTS FOR TRANSPORTATION

Proper Shipping Name: Sodium Perborate Chemical N.O.S. (Non-Regulated)

Hazardous Classification: Not DOT regulated

Identification Number: Not available

Additional Labeling: Reacts with water to give off oxygen.

NOTICE TO READER

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Sultan Chemists, Inc., assumes no responsibility for the completeness or accuracy of the information contained herein.

WARNING LABEL SECTION



USE ONLY AS
DIRECTED



AVOID CONTACT
WITH EYES & SKIN



DO NOT MIX WITH
OTHER CLEANERS
OR CHEMICALS



CLEAN UP ALL
SPILLS



AVOID
CONTAMINATION WITH
FOOD



KEEP CONTAINER
TIGHTLY SEALED



DO NOT REFILL
CONTAINER



PROVIDE ADEQUATE
VENTILATION



USE EYE
PROTECTION



FOR ORAL USE- NOT
TO BE SWALLOWED