



# **MSDS - Sodium Sulphate, Anhydrous**

**Issued December 2007**

## **Section 1. Product Information**

TDG Classification: Not regulated

CAS No.: 7757-82-6

Product Name: Sodium Sulphate, Anhydrous

Chemical Family: Inorganic Salt

Product Use: Bleaching sugar, soaps and oils. Chemical intermediate, food additive

Distributed by Pestell Minerals & Ingredients, New Hamburg, ON Canada

**24 Hour Emergency Telephone (Canutec): 613-996-6666**

## **Section 2. Hazardous Ingredients**

Hazardous Ingredients: None according to Controlled Products Regulation

Non Hazardous Ingredients: Sodium Sulphate 90 - 100%

## **Section 3. Physical Data**

Physical State: Solid

Appearance & Odour: White crystal or powder, a free flowing light pink-brown. Odourless.

Specific Gravity (Gm/cc. Water = 1): .322

Vapour Pressure: Not applicable

Vapour Density: Not applicable

Evaporation Rate: Not applicable

Boiling Point: Not applicable

Freezing Point: Decomposes at 880°C

pH: 10 at 10% aqueous solution

Coefficient of Water/Oil Distribution: Not available

## **Section 4. Fire and Explosion Hazard**

**Hazardous Conditions:** Minimize airborne spreading of dust. Spilled material may cause floors and contact surfaces to become slippery. Enforce NO SMOKING rules in area of use.

**Fire Extinguishing Procedures:** Use water spray to cool fire exposed containers or structures. Use water spray to disperse vapours. Use self-contained breathing apparatus and special protective clothing.

Flash Point: Non combustible (will not burn)

Upper/Lower Flammable Limit: Not applicable

Auto-Ignition Temperature: Not available

Hazardous Combustion Products: Thermal decomposition products are toxic and may include oxides of sulphur and sodium.

Sensitivity to Mechanical Impact: Not available. Not expected to be sensitive to mechanical impact.

Sensitivity to Discharge: Not available. Not expected to be sensitive to static.

## **Section 5. Reactivity Data**

Chemical Stability: Stable

Hazardous Polymerization: Will not occur

Conditions of Reactivity: High temperatures, sparks, open flames and all other sources of ignition.

Avoid moisture contamination. Minimize airborne spreading of dust.

Hazardous Decomposition: Thermal decomposition products are toxic and may include oxides of sulphur.

## **Section 6. Toxicological Properties**

Routes of Entry: Inhalation, skin, eyes, ingestion

### **Effects of Acute Exposure**

**Inhalation:** Product may be mildly irritating to the nose, throat and respiratory tract and may cause coughing and sneezing.

**Skin:** This product may cause irritation due to abrasive action

**Eyes:** This product may cause mild transient irritation, redness and possible damage due to abrasiveness.

Ingested: This product may cause mild gastrointestinal discomfort. Ingestion of large amounts may cause nausea, gastrointestinal upset and abdominal pain

Exposure Limits: Not established for this product.

Carcinogenicity of Product: The ingredients of this product are not classified as carcinogenic by ACGIH or IARC, not regulated as carcinogens by OSHA and not listed as carcinogens by NTP

Reproductive Toxicity: No information is available and no adverse reproductive effects are anticipated

Teratogenicity: No information is available and no adverse teratogenic/embryo toxic effects are anticipated.

Mutagenicity: No information is available and no adverse mutagenic effects are anticipated.

Synergistic Effects: None known

LD50 (Oral/Rat): 7070 mg/kg

## **Section 7. Preventive Measures**

### **Personal Protective Equipment**

Respiratory: A NIOSH/MSHA approved dust mask for concentrations of nuisance dust up to 100 mg/m<sup>3</sup>. An air supplied respirator if concentrations are higher or unknown.

Skin: Gloves and protective clothing made from cotton, rubber or plastic should be impervious under conditions of use. Prior to use, user should confirm impermeability.

Eye: Safety glasses with side shields are recommended to prevent eye contact. Use chemical safety goggles when there is potential for eye contact.

### **Specific Engineering Controls**

General exhaust is acceptable. Local exhaust ventilation preferred. Make up air should be supplied to balance air that is removed by local or general exhaust ventilation.

Spill/Leak Procedures: Sweep up immediately to eliminate slipping hazard. Do not allow to enter sewers or watercourses. Minimize airborne spreading of dust. Ventilate enclosed spaces. Avoid dry sweeping. Do not use compressed air to clean surfaces. Vacuuming or wet sweeping is preferred.

Wear respirator, protective clothing and gloves. Return all material possible to container for proper disposal.

Waste Disposal: Dispose of water material at an approved (hazardous) waste treatment/disposal facility in accordance with applicable local, provincial and federal regulations. Do not dispose of waste with normal garbage or to sewer systems.

Storage Needs: Store in a cool, well ventilated area. Keep away from heat, sparks and flames. Keep

containers closed. Do not expose sealed containers to temperatures above 40°C.

**Handling Procedures & Equipment:** Use normal good industrial hygiene and housekeeping practices. May be corrosive to aluminum. Aluminum and its alloys should not be used in equipment for storage, handling or transportation. Do not use in poorly ventilated or confined areas without proper respiratory protection.

## **Section 8. First Aid Measures**

**Eye Contact:** Immediately flush eyes with running water for a minimum of 20 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing. Obtain medical attention immediately. Contact lenses should not be worn when working with this material.

**Skin Contact:** Flush skin with running water for a minimum of 20 minutes. Start flushing while removing contaminated clothing. If irritation persists, repeat flushing. Obtain medical attention immediately.

**Ingestion:** Do not attempt to give anything by mouth to an unconscious person. If victim is alert and not convulsing, rinse mouth out and give 1/2 to 1 glass of water to dilute material. Immediately contact a local poison control centre. Vomiting should only be induced under the direction of a physician or a poison control centre. If spontaneous vomiting occurs have victim lean forward with head down to avoid breathing in of vomitus. Rinse mouth and administer more water. **Immediately transport victim to an emergency facility.**

**Inhalation:** Move victim to fresh air. Give artificial respiration only if breathing has stopped. Give cardiopulmonary resuscitation (CPR) if there is no breathing and no pulse. Obtain medical advice immediately.

## **Disclaimer**

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