SAFETY DATA SHEET: SODIUM BENZOATE

1. IDENTIFICATION

Product Name: SODIUM BENZOATE
Synonyms: Benzoate of soda; Sodium benzoic acid
Formula and Formula Weight: C6H5COONa 144.11
Integra numbers beginning with: S264.32; S264.3E
Recommended Use: Commercial/industrial use
Restrictions on Use: No information available

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2. HAZARDS IDENTIFICATION

OSH Classification: Hazard Category: Hazard Statement:
Eye Damage/Irritation: 2A Causes serious eye irritation.

Signal Word: WARNING

Precautionary Statements
Prevention: Wash thoroughly after handling.
Wear eye protection, face protection.

Response: If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice, attention.

Hazard Not Otherwise Classified: No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component Synonyms CAS # % Weight
Sodium Benzoate Benzoate of soda; Sodium benzoic acid 00532-32-1 100

4. FIRST AID MEASURES

Inhalation: Remove person to fresh air.
Eye Contact: Flush eyes with plenty of water. Remove contact lenses, if present and easy to do. If irritation persists, seek medical attention.
Skin Contact: Wash with soap and water. Seek medical attention if irritation develops.
Ingestion: If conscious, rinse mouth and give victim large amounts of water. Seek medical attention.
Additional notes: Symptoms and effects include serious eye irritation; skin, respiratory irritation.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Carbon dioxide, dry chemical or alcohol foam. Water may be ineffective.
Special Equipment and Precautions: Use water to cool nearby containers and structures. Wear full protective equipment, including suitable respiratory protection.
Specific Hazards: High dust concentrations may ignite in the presence of an ignition source.

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Remove all potential ignition sources. Prevent spread of spill. Wear suitable protective equipment. Sweep or scoop into disposal container in a manner that minimizes dust dispersion.

7. HANDLING AND STORAGE

Incompatible Materials: Incompatible with strong acids and strong oxidizers. Ferric salts.
Storage and Handling: Store in a cool, dry, well-ventilated area away from incompatible materials. Keep containers tightly closed and protect them from physical damage. Protect from direct light and minimize contact with air. Minimize dusting when handling material.
Wash thoroughly after handling.
Wear eye protection, face protection.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

OSHA & ACGIH Exposure Limits:
Sodium Benzoate None identified
Engineering Controls: Use adequate general or local exhaust ventilation to keep fume and/or dust levels as low as possible.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White granules or crystalline powder
Odor: Odorless
Odor Threshold: Not available
pH: 7 - 8.5
Melting/Freezing Point: 410 °C
Initial Boiling Point and Boiling Range: Not available
Flash Point: >100 °C
Evaporation Rate: Not available
Flammability: Not available
Flammable or Explosive
  Upper: Not available
  Lower: Not available
Vapor Pressure: <0.01 mm Hg @20°C
Vapor Density: Not available
Relative Density: 1.44 g/cc
Solubility: Soluble in water
Partition Coefficient: n-octanol/water: -2.13
Auto-Ignition Temperature: 800 °C
Decomposition Temperature: Not available
Viscosity: Not available

10. STABILITY AND REACTIVITY

Reactivity: No information available
Stability: Stable
Possibility of Hazardous Reactions: Hazardous polymerization will not occur
Conditions to Avoid: Excessive dusting, especially in the presence of ignition sources. Excessive heat.
Incompatibles: Incompatible with strong acids and strong oxidizers. Ferric salts.

11. TOXICOLOGICAL INFORMATION

Effects of Over Exposure:
  Inhalation: Inhalation may irritate the nose, throat and upper respiratory tract.
  Skin Contact: Contact may cause skin irritation.
  Eye Contact: Contact may be irritating to the eyes.
  Ingestion: May be harmful if swallowed.
  Chronic Effects: None identified
  Target Organs: None identified
  Additional Effects: None identified
  Reproductive Effects: None identified
  Carcinogenicity: None identified

Toxicity Data:
Sodium Benzoate
  LD50 (oral, rat) 4100 mg/kg

12. ECOLOGICAL INFORMATION

Aquatic Toxicity Data: No information available
Terrestrial Toxicity Data: No information available

Persistence and degradability: No information available
Bioaccumulative potential: No information available
Mobility in soil: No information available
Other adverse effects: No information available

13. DISPOSAL CONSIDERATIONS

Disposal Procedures: Dispose of material and containers in accordance with all local, state and federal regulations.

14. TRANSPORTATION INFORMATION

This product is not a regulated material for domestic ground transportation.
15. REGULATORY INFORMATION

Sodium Benzoate is listed in the TSCA inventory.

16. OTHER INFORMATION

OSHA SDS #: 26350 rev 101 3/27/2015

NE = Not established, NA = Not applicable or Not available

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***** END OF SDS *****