



TULSTAR PRODUCTS, INC.

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MATERIAL SAFETY DATA SHEET

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company Name: **TULSTAR PRODUCTS, INC.**
5510 South Lewis Ave.
Tulsa, OK 74105
Phone Number: (918) 749-9060
Fax Number: (918) 747-1444
Email Address: tulstar@tulstar.com
Emergency Number: CHEMTREC 800-424-9300 (24 hours)

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Common Name: Sodium Benzoate USP
Chemical Name: Sodium Benzoate, Benzoate of Soda
Chemical Formula: $C_7H_5NaO_2$
CAS Number: 532-32-1
Molecular Wt: 144.11
Composition: 100% Sodium Benzoate
NIOSH/RTECS No: DH6650000

SECTION 3: HAZARDS IDENTIFICATION

Exposure Inhalation: of dust may cause dust could cause coughing, sneezing.
Ingestion: of large doses could cause nausea and vomiting.
Eye contact: may cause redness and irritation.
Skin contact: may cause redness and irritation.

Toxicity Data Systemic: The acute oral LD50 in the rat is 4100 mg/kg. Sodium benzoate has low toxicity.
Carcinogenicity: This chemical has not been tested for its carcinogenic potential and is not listed by NTP, IARC, or OSHA as a carcinogen.

Occupational Exposure Limit

Suggest, using a local exhaust system to minimize nuisance dust. When exposure is apparent a dust/mist respirator is suggested. No level has been established by OSHA, NIOSH, and ACGIH. The following established limits are for nuisance dust:

OSHA: PEL/TWA: Total 15mg/cu. M; Respirable 5 mg/cu.M
ACGIH: TLV/TWA: Total 10mg/cu.M; Respirable 5 mg/cu.M

SECTION 4: FIRST AID MEASURES

- Eye Contact: Immediately flush eyes gently with copious quantities of water for at least 15minutes. Use fingers to assure that eyelids are separated and the eye is being irrigated. Contact supervisor and physician immediately.
- Skin Contact: Remove any contaminated clothing. Wash thoroughly with soap and water. Flush contaminated area with copious quantities of water for at least fifteen minutes. Contact supervisor.
- Inhalation: Remove from the source of exposure. Provide oxygen and/or CPR if necessary. Contact supervisor and physician immediately.
- Ingestion: Immediately contact supervisor and physician.

SECTION 5: FIRE FIGHTING MEASURES

- Fire: As with most organic solids, fire is possible at elevated temperatures or by contact with an ignition source.
- Explosion: Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Minimum exposable concentration: 0.05 g/l.
- Fire Extinguishing Media: Water, carbon dioxide, dry chemical and foam extinguishers.

Special Fire Fighting Procedures: Wear full protective clothing and NIOSH/MSHA-approved, positive pressure, self-contained breathing apparatus with face piece.

SECTION 6: ACCIDENTAL RELEASE MEASURES

If chemical is released or spilled, cordon off spill area. Shovel or sweep up dry materials. Wash spill area with water. Take proper precautions to minimize exposure by using appropriate personal protective equipment.

SECTION 7: HANDLING AND STORAGE

No information available

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

- Ventilation: When permutable, the material should be handled in an enclosed process, a properly operation laboratory hood, or with effective local exhaust ventilation.
- Eye Protection: If dust is present wear chemical goggles. Avoid getting the chemical under goggles. Contact lenses should not be worn. Maintain an Eye Wash Station in the work area.
- Skin Protection: Wear protective gloves and protective clothing (disposable suites are best).
- Personal Respirators: Where applicable, this chemical should be handled in a close process or containers. If a closed process or exhaust ventilation is not available, an air-purifying respirator with NIOSH/MSHA approval for dusts and mists is the minimum respiratory protection required.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White crystalline powder
Odor:	Sweet
Melting Point:	>300°C, >550°F
Boiling Point:	Not applicable
Solubility:	In water 55 grams/100 grams @ 20°C (68°F) In alcohol 1.6 grams/100 grams @ 20°C (68°F)
Specific Gravity:	1.44
PH range:	7-9 (aqueous solution)
Bulk Density:	44 micron 35-45 lbs/cu.ft. 25 micron 17-25 lbs/cu.ft. 10 micron 15-20 lbs/cu.ft.

SECTION 10: STABILITY AND REACTIVITY

Stability:	Stable under ordinary conditions of use and storage.
Incompatibility:	Acids, ferric salts, strong oxidizers.
Hazardous Decomposition Products:	Carbon dioxide, carbon monoxide, and/or benzoic acid.
Hazardous Polymerization:	Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

No information available

SECTION 12: ECOLOGICAL INFORMATION

No information available

SECTION 13: DISPOSAL CONSIDERATIONS

All wastes containing this chemical should be specially contained, properly labeled, and stored separately from other facility waste discharges. Dispose of any waste residues according to prescribed Federal, state and local guidelines, e.g., appropriately permitted chemical landfill or appropriately permitted chemical waste incinerator. Rinse waters resulting from the spill cleanup should be discharged to appropriately permit municipal or on-site wastewater treatment facilities.

SECTION 14: TRANSPORT INFORMATION

No information available

SECTION 15: REGULATORY INFORMATION

Labeling:	Containers of sodium benzoate should have the following warning statement on the product identity label: WARNING STATEMENT
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CAUTION!!!!

ACUTE OVEREXPOSURE MAY CAUSE IRRITATION TO THE RESPIRATORY SYSTEM EYES AND SKIN.
AVOID HALATION, INGESTION, SKIN CONTACT AND EYE CONTACT.
MATERIAL INTENDED FOR MANUFACTURING USE ONLY!

Transportation:	Sodium Benzoate is not a DOT regulated material.
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