



Material Safety Data Sheet


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Section 1 - Product and Company Identification

Product name : Sodium Benzoate
Other names : Sodium Benzoin
Product use : Use as food preservative , make -up products, dye, plastic and insect repellents.
Supplier's name : San Fu Chemical Co., Ltd., Shan Hua Plant
Supplier's address : 340 Hsiao Hsin Li, Shan Hua Town, Tainan Hsien, Taiwan, R.O.C.
Supplier's phone : 06-5837608 Emergency phone : 06-5837608
FAX. : 06-5839498

Section 2 - Hazards Identification

Classification : <ol style="list-style-type: none">1. Acute toxicity (inhalation) Category 52. Acute toxicity (Ingestion) Category 53. Corrosive/ Skin Irritation Category 24. Severe Injury/ Eye Irritation Category 2A
The Most Important Hazards and effect Label element : <ul style="list-style-type: none">■ Hazard symbol : Exclamation mark ■ Signal word : warning
Hazard statement : <ol style="list-style-type: none">1. harmful with ingestion (oral)2. harmful with skin contact (skin)3. harmful with inhalation (gas, vapor, dust, fog)4. cause skin tissue irritation5. cause severe eye irritation6. may cause respiratory tract irritation
Precautionary statement : <ol style="list-style-type: none">1. keep hygiene in working area. If swallowed, seek medical attention immediately2. avoid eyes, skin contact3. If contacted, wash with large amount of water immediately seek medical attention.4. use proper protective clothing, impervious glove, safety goggles, respiratory protective equipments.
Others Hazard : /

Section 3 - Composition/Information On Ingredients

Pure Substance :

Chemical name : Sodium Benzoate
Synonyms : Sodium Benzoin; benzoic acid ; Benzoate of Sodium ; Benzoic acid sodium salt



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CAS No. : 532-32-1

Ingredient contributing to the hazard(%) : ≥ 99.5

Section 4 - First Aid Measures

The First-aid Information :

- Inhalation :
 1. Move to an air-circulated place
 2. If uncomfortable occurs, seek medical attention immediately.
- Skin Contact :
 1. Take off the contaminated clothes.
 2. Immediately wash contaminated area with plenty of water.
 3. If irritation occurs, seek medical attention immediately.
- Eye Contact :
 1. Immediately flush eyes with large amount of water.
 2. If irritation occurs, seek medical attention immediately.
- Ingestion :
 1. Rinse the mouth.
 2. Give large quantities of water.
 3. If irritation occurs, seek medical attention immediately.

The Most Important Symptoms and Hazardous Effects :

Protection of First-aiders : Always use proper personal protective equipment (PPE) when doing the first aid.

Notes to a Physician : --

Section 5 - Fire Fighting Measures

Extinguishing Media : Water spray, power and foam

Specific Hazards when Fire-fight : Sodium Benzoate is combustibile substance. While the concentration reaches up to the limitation, easily to cause dust explosion.

Specific Fire-fighting Procedure : Spread the water to the storage tank to decrease the temperature and prevent the fire explosion. Avoid the production of the dust.

Specific Protection of Firefighters : In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

Section 6 - Accidental Release Measures

Personal Precautions : Keep unauthorized people away, unless with used the proper protective equipments (PPE).

Environmental Precautions :

1. Collect the contaminated substance in the sealed and labeled storage tank, plastic bag or recycling container.
2. Avoid dust production, prevent the dust explosion.

Methods for Cleaning up : Clean up sewer with large amount of water and detergent or sweep the contaminated area.



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Section 7 - Handling and Storage

Handling : 1. Avoid contact with eyes, skin and clothes. 2. Avoid ingestion and inhalation
Storage : 1. Store in the cold place. 2. Air circulated place 3. Away from acids and oxidizers. 4. Away from poisonous material, chemical material, to keep the quality. 5. Could store in the paper bag.

Section 8 - Exposure Controls & Personal Protection

Engineering measures : Localized ventilation fully ventilated.			
Control parameters			
TWA	STEL	Ceiling	Biological standards
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Personal protective equipment : <ul style="list-style-type: none"> ■ Respiratory Protection : If the exposure level is exceeding the professional limit, should use the NIOSH-approved self-contained breathing apparatus with full face piece. ■ Hand Protection : Use plastic gloves, rubber gloves ■ Eye Protection : Use chemical safety goggles, dust-proof goggles, full dust-proof face piece ■ Skin and Body Protection : Safety clothing 			
Hygiene measures : 1. Strictly no food in the working area. 2. Keep well interior management			

Section 9 - Physical & Chemical Properties

Appearance : colorless crystallized grain or white crystallized grain	Odor : almost odorless, sweeten taste
Olfactory threshold: --	Melting Point: 132~152 °C
pH value : 7.0-8.0(5 % water solution) 8.0-9.5(25 % water solution)	Boiling point/boiling range : --
Flammability: --	Flash point : >100 °C
Decomposition temp : --	Test method :
Auto ignition temp : 800 °C	Explosion properties : --
Vapor pressure : --	Vapor density : --
Density : 1.44	Solubility : 0.34g/100ml room temp.
log Kow : /	Evaporation Rate : --

Section 10 - Stability & Reactivity Data

Stability : Stable in the normal situation
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Possible hazardous reactions under specific conditions : Benzoate , CO
Conditions to avoid : Benzoate Sodium is combustible material. Keep away from heat, flame or other source of the fire and vapor.
Materials to avoid : Oxidizers, acids, Molysite
Hazardous decomposition products : CO and Benzoate is expected when combustion.

Section 11 - Toxicological Information

Route of exposure : Inhalation, skin contact, ingestion, Eyes
Symptoms : <ol style="list-style-type: none">1. Skin contact or ingestion cause allergy: redness, feeling of burn, itchy or asthma2. Cause anaphylactic shock, server coughing, chest restriction, dyspnea, cramp, prostration and death.
Immediate Toxicity : <ol style="list-style-type: none">1. Skin : 0.25% May cause non-allergic beehive responds within 30 minutes (redness, stripe-like bulge, burning feel, itchy)2. Inhalation : Cause nose, throat and upper respiratory tract irritation.3. Eye : Cause severe eye irritation4. Ingestion : Stomachache, nausea, vomit<ul style="list-style-type: none">● LD₅₀: (oral , rat) : 4070 mg/kg● LC₅₀: (inhalation , oral) : --
Specific effects : --

Section 12 - Ecological Information

Ecotoxicology : -- <ul style="list-style-type: none">■ LC₅₀(fish) : --■ EC₅₀(Aquatic Invertebrates) : --■ Bioconcentration factor (BCF) : --
Persistence and degradability : -- <ul style="list-style-type: none">■ Half-Life (Air) : --■ Half-Life (Water surface) : --■ Half-Life (Groundwater) : --■ Half-Life (Soil) : --
Bioaccumulative potential : --
Mobility in soil :
Other adverse effects : <ol style="list-style-type: none">1. While vapor pressure of the solid Sodium Benzoate down to Log P=1.87 in the room, the degree of ionization in the water will be 560 g/l (20°C)2. Decomposition time: be decomposed fast by organism.3. Bioaccumulative Index Log P=1.87. No bioaccumulation in result.4. Ecotoxicology: 96hours LC_{50 fish} : 100mg/l

Section 13 - Disposal Considerations



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Methods of disposal :

1. With the use of Wastewater treatment plant control, and decompose the organism.
2. The productive bags or the leakage should be incinerated under the law regarding to the international or local law and regulation.
3. Refer to the international and local environmental protective law and regulation.

Section 14 - MSDS Transport Information

UN classification number : --

Proper D.O.T Shipping Name : --

Hazard Class : --

Packing Group : --

Marine pollution :

Specific precautionary transport measures and conditions :

Section 15 - Regulatory Information**Regulations :**

1. Road Traffic Safety Regulations # 84
2. Ships carrying dangerous goods rules.
3. Taiwan Railway Administration transporting dangerous goods handling rules.

Section 16 - Other Information

Literature references	MSDS database from Merck Index		
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