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Material Safety Data Sheet

Butylparaben sodium

Section 1: Chemical Product and Company Identification

Product Name: Butylparaben Sodium Salt

CAS: 36457-20-2

Chemical Formula: C₁₁H₁₃NaO₃

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Section 2: Composition and Information on Ingredients

Composition:

Name	CAS # %	By Weight
Sodium butyl-4-hydroxybenzoate	36457-20-2	≥ 99.0%

Toxicological Data on Ingredients: Not applicable.

Section 3: Hazards Identification

Emergency overview: White powder

Slight odor.

May cause dust explosions.

Expected Route of entry:

Inhalation: yes

Skin contact: yes

Eye contact: yes

Ingestion: no

Skin absorption: no

Health effects of exposure:

Sodium butyl-4-hydroxybenzoate (36457-20-2)

Sodium butyl-4-hydroxybenzoate: May cause severe eye irritation with the possibility of eye damage. Prolonged contact with skin may cause slight irritation. May be harmful if swallowed.

LD50 (oral) (mouse) - 950 mg/kg.

Known effects on other illnesses: No known effects on other illnesses for this product.

Listed carcinogen: IARC: No

NTP: No

OSHA: No

Other: No

HMIS:

Health: 2 Flammability: 1 Reactivity: 0 Personal protection: E

Section 4: First Aid Measures

After inhalation:

Get victim to fresh air. Give artificial respiration or oxygen if breathing has stopped. Get prompt medical attention. Do not give fluids if victim is unconscious.

After contact with skin:

Wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention.

After contact with eyes:

Immediately flush eyes with large amounts of water for at least 15 minutes, holding lids apart to ensure flushing of the entire surface. Washing eyes within 1 minute is essential to achieve maximum effectiveness. Seek medical attention immediately.

After ingestion:

If ingested, seek medical assistance immediately.

Advice to doctor / Treatment:

None known.

Section 5: Fire and Explosion Data

Flashpoint: Not applicable

Hazardous combustion products:

In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO)

Carbon dioxide (CO₂)

Extinguishing media: water spray jet

alcohol-resistant foam

carbon dioxide

dry powder

Special fire fighting procedure:

Exercise caution when fighting any chemical fire. Use NIOSH approved self-contained

breathing apparatus and full protective clothing.

Unusual fire and explosion

hazards:

Emits toxic fumes under fire conditions. This product presents no unusual fire or explosion hazards while sealed in a shipping container. During usage, if a dust cloud is generated, organic powders have the potential to be explosive with static spark or flame initiation.

Section 6: Accidental Release Measures

Steps to be taken in case of spill or leak:

Utilize recommended protective clothing and equipment. Contain spill. Spills should be swept or shoveled up and collected for disposal, avoiding the formation of dust. Clean up may be accomplished by flushing with a limited quantity of water if appropriate or by removal of contaminated soil. Place material or soil in appropriate waste disposal containers.

Section 7: Handling and Storage

Advice on safe handling:

Store in a dry area. Keep only in the original container at temperatures not exceeding 50 C.

Further info on storage conditions:

Store in original container.

Keep containers closed.

Section 8: Exposure Controls/Personal Protection

Respiratory protection: If airborne concentrations pose a health hazard, become irritating or exceed recommended limits, use a NIOSH approved respirator in accordance with OSHA respiratory protection requirements under 29 CFR 1910.134

Hand protection: Butyl Rubber, PVC Or Neoprene.

Eye protection: Splash-proof or dust-resistant goggles

Other protective equipment: Protective clothing to minimize skin contact should be worn.

Chemically resistant safety shoes. Wash contaminated clothing with soap and water and dry before reuse. Safety showers and eyewash stations should be provided in all areas where this material is handled.

Advice on system design: Use adequate exhaust ventilation and/or dust collection to keep dust levels below exposure limits.

IDLH:

Not Determined

Section 9: Physical and Chemical Properties

Form: Powder

Color: white

Odor: almost odourless

pH: approx. 10 (20 °C, 1 g/l)

Solubility in water: 500 g/l (20 °C)

soluble

Melting point : 154 - 159 °F

Section 10: Stability and Reactivity Data

Thermal decomposition: 282 °C (Heating rate:3 K/min)

No decomposition if used as prescribed.

Chemical stability: Stable.

Hazardous Polymerization: Will not occur.

Conditions to avoid: None known.

Conditions to avoid: None known.

Section 11: Toxicological Information

Product information:

Acute oral toxicity: LD50 950 mg/kg (mouse)

Source: RTECS

Skin irritation: Slightly irritating (rabbit)

Eye irritation: risk of serious damage to eyes (rabbit)

Other relevant toxicity information:

Inhalation of dust causes slight irritation of the respiratory tract.

Section 12: Ecological Information

Product information:

Fish toxicity: LC0 100 mg/l (48 h, Leuciscus idus)

Remarks:

Do not allow to enter soil, waterways or waste water

Section 13: Disposal Considerations

Waste disposal information:

Recommended disposal is by incineration in approved facilities.

RCRA hazardous waste:

No -- Not as sold.

RCRA number: NONE

Section 14: Transport Information

DOT not restricted
IATA not restricted
IMDG not restricted

Section 15: Other Regulatory Information

TSCA Status:

This product is not listed on the TSCA Inventory. It is to be used as a cosmetic ingredient only. Any other use will subject the user to penalties under the Toxic Substances Control Act and the regulations issued thereunder.

SARA (section 311/312):

Reactive hazard: no
Pressure hazard: no
Fire hazard: no
Immediate/acute: yes
Delayed/chronic: no

SARA 313 information:

This product does not contain any toxic chemical listed under Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986.

Clean Water Act:

Contains no known priority pollutants at concentrations greater than 0.1%.

Volatile organic compounds VOC:

Remarks: Not Available

FDA:

This product is not registered with the FDA.

Section 16: Other Information

Other precautions:

This product is not listed on the Toxic Substances Control Act (TSCA) inventory. It can not be used for any commercial purposes except as a bonafide cosmetic or cosmetic adjuvant, additive, or ingredient; or for use in research and development under the supervision of a technically qualified individual to understand its potential hazards. Observe all necessary precautions for handling powders as fine powder may present a dust explosion hazard.

Label information:

CAUTION!

This product is not in the TSCA inventory. It cannot be used for any commercial purposes except as a bona fide cosmetic or cosmetic adjuvant, additive or ingredient; or for use in Research and Development under the supervision of a technically qualified individual to understand its potential hazards. May cause severe eye irritation with the possibility of eye damage. Prolonged contact with skin may cause slight irritation. MAY IRRITATE UPPER RESPIRATORY TRACT. MAY BE HARMFUL IF SWALLOWED IF A DUST CLOUD IS GENERATED DURING USAGE, ORGANIC

POWDERS HAVE THE POTENTIAL TO BE EXPLOSIVE WITH STATIC SPARK OR FLAME INITIATION.

Avoid breathing dust. Avoid contact with eyes, skin and clothing. Wear proper protective equipment. Keep container closed when not in use. Use with ventilation and/or respiratory protection to keep exposure to a minimum. Wash thoroughly after handling. Keep away from heat, sparks, and other sources of ignition.

Eye contact: flush with water for at least 15 minutes while holding eyelids open. Seek immediate medical attention. Skin contact: wash thoroughly with soap and water for 15 minutes. If skin irritation occurs, seek medical attention. Wash contaminated clothing before reuse. Ingestion: if conscious, give the patient 1-2 glasses of water (8-16 oz.)

Seek medical attention. Never give anything by mouth to an unconscious person.

Induce vomiting only at the instructions of a doctor or nurse. Inhalation: remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and seek medical attention.

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