

Section 1. Product and Company Identification

Product Name Benzocaine
CAS Number 94-09-7

Parchem - fine & specialty chemicals
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EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
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Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture
OSHA Haz Com: CFR 1910.1200: Sensitization - Skin [Category 1]

GHS Label Elements

Pictograms:



Signal word: WARNING

Hazard and precautionary statements

Hazard Statements

May cause an allergic skin reaction

Precautionary Statements

Prevention

Avoid breathing dusts or mists. Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves.

Response

If on skin: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Storage

None

Disposal

Dispose of contents and container in accordance with US EPA guidelines for the classification and determination of hazardous waste listed in 40 CFR 261.3.



Hazards not otherwise classified: [HNOC] Causes mild skin irritation. May be harmful if swallowed.

Section 3. Composition / Information on Ingredients

Common Name Benzocaine
Synonym(s) Ethyl 4-Aminobenzoate
Formula C₉H₁₁NO₂
CAS Number 94-09-7

| COMPONENT | CAS NUMBER | CONCENTRATION |
|------------|------------|---------------|
| Benzocaine | 94-09-7 | > 99.0% |

Section 4. First Aid Measures

Inhalation: May cause coughing, difficult breathing and nausea. Call a poison center or doctor if you feel unwell. Effects of exposure (inhalation) to substance may be delayed. Inhalation of vapors or contact with substance will result in contamination and potential harmful effects. Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult. Keep victim warm and quiet. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Skin contact: If skin irritation occurs get medical advice/attention. Effects of exposure (skin contact) to substance may be delayed. Remove and wash contaminated clothing before re-use. In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Eye contact: In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists get medical advice/attention. Move victim to fresh air. Check for and remove any contact lenses. Keep victim warm and quiet. Treat symptomatically and supportively. Effects of exposure to substance may be delayed. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Ingestion: Effects of exposure (ingestion) to substance may be delayed. If swallowed, seek medical advice immediately and show the container or label. Loosen tight clothing such as a collar, tie, belt or waistband. If a person vomits place them in the recovery position so that vomit will not reenter the mouth and throat. Rinse mouth. Keep victim warm and quiet. Treat symptomatically and supportively. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Symptoms/effects

Acute: No data available

Delayed: May cause skin sensitization.



Immediate medical attention: CAUTION: Victim may be a source of contamination. If breathing has stopped, perform artificial respiration. Use first aid treatment according to the nature of the injury. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Section 5. Firefighting Measures

Suitable extinguishing media: Dry chemical, CO₂, water spray, or alcohol-resistant foam. Consult with local fire authorities before attempting large scale firefighting operations.

Specific hazards arising from the chemical

Hazardous combustion products: These products include: Carbon oxides Nitrogen oxides

Other specific hazards: Closed containers may explode from heat of a fire.

Special precautions for firefighters: Use water spray or fog; do not use straight streams. Dike fire-control water for later disposal; do not scatter the material. Containers may explode when heated. Move containers from fire area if you can do it without risk.

Special protective equipment for firefighters: Wear positive pressure self-contained breathing apparatus (SCBA). Structural fire fighters' protective clothing provides limited protection in fire situations ONLY; it may not be effective in spill situations. Wear chemical protective clothing which is specifically recommended by the manufacturer. It may provide little or no thermal protection.

Section 6. Accidental Release Measures

Personal precautions: Avoid contact with skin, eyes, and clothing. Keep people away from and upwind of spill/leak. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing (Section 8). Warn unnecessary personnel to move away. Stop leak if you can do it without risk. Ensure adequate ventilation. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Personal protective equipment: Safety glasses. Wear protective clothing (chemical resistant suit and chemical resistant boots). Dust respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent. Wear protective gloves (nitrile).

Emergency procedures: Prevent dust cloud. In case of a spill and/or a leak, always shut off any sources of ignition, ventilate the area, and exercise caution. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Warn personnel to move away. Prevent entry into sewers, basements, or confined areas; dike if needed.

Methods and materials for containment and cleaning up: ELIMINATE all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if without risk. Ventilate the area. Absorb with an inert material and put the spilled material in an appropriate waste disposal container. Use clean non-sparking tools to collect absorbed material.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Water runoff can cause environmental damage. Prevent entry into sewers, basements or confined areas; dike if needed.



Section 7. Handling and Storage

Precautions for safe handling: Avoid breathing vapors of this product. Avoid contact with skin and eyes. Good general ventilation should be sufficient to control airborne levels. Keep container dry. Handle and open container with care. Wear suitable protective clothing, gloves and eye/face protection. When using, do not eat, drink, or smoke. Keep away from sources of ignition.

Conditions for safe storage: Keep only in the original container in a cool well-ventilated place. Keep away from incompatibles. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Avoid prolonged storage periods.

Storage incompatibilities: Store away from oxidizing agents

Section 8. Exposure Controls / Personal Protection

Exposure limits: No data available

Appropriate engineering controls: Good general ventilation should be sufficient to control airborne levels. Ventilation is normally required when handling or using this product. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substance. Follow safe industrial engineering/laboratory practices when handling any chemical.

Personal Protective Equipment

Respiratory protection: Dust respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent.

Hand protection: Nitrile gloves.

Eye protection: Safety glasses.

Skin and body protection: Lab coat.

Section 9. Physical and Chemical Properties

Physical state (20°C): Solid

Form: Crystal - Powder

Color: White - Very pale yellow

Odor: Odorless

Odor threshold: No data available

Melting/Freezing Point: 90°C (194°F)

Boiling Point/Range: 310°C (590°F)

Decomposition Temperature: No data available

Relative Density: No data available

Kinematic Viscosity: No data available

Partition Coefficient (n-Octanol/Water): logPow: 1.86

Flash Point: No data available

Flammability (solid, gas): No data available

pH: No data available



Vapor Pressure: No data available
Vapor Density: No data available
Dynamic Viscosity: No data available
Evaporation Rate (Butyl Acetate=1): No data available
Auto-ignition Temperature: No data available

Flammability or Explosive Limits

Lower: No data available

Upper: No data available

Solubilities

Water: Insoluble

Soluble: Ether, Alcohols, Chloroform

Section 10. Stability and Reactivity

Reactivity: Not Available.

Chemical Stability: Stable under recommended storage conditions. (See Section 7)

Possibility of Hazardous Reactions: No hazardous reactivity has been reported.

Conditions to avoid: Avoid excessive heat and light.

Incompatible materials: Acids, Bases, Reducing agents, Strong oxidizing agents

Hazardous Decomposition Products: No data available

Section 11. Toxicological Information

RTECS Number: DG2450000

Acute Toxicity

Orl-rat LD50: 3042 mg/kg

ipr-mus LD50: 216 mg/kg

rec-inf TDLo: 12 mg/kg

Skin corrosion/irritation

skn-hmn 0.05% SEV

skn-gpg 2%/48H MLD

Serious eye damage/irritation: No data available

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

Carcinogenicity

IARC: No data available

NTP: No data available

OSHA: No data available



Reproductive toxicity: No data available

Routes of Exposure: Inhalation, Eye contact, Ingestion, Skin contact.

Symptoms related to exposure: Skin contact may result in sensitization. Readily absorbed through skin. Skin contact may result in redness, pain or dry skin. Overexposure may result in serious illness or death.

Potential Health Effects: Skin and eye contact may result in irritation. May be harmful if inhaled or ingested. Overexposure may result in serious illness or death.

Target organs: No data available

Section 12. Ecological Information

Ecotoxicity

Fish: 96h LC50: 7.2 mg/L (Oncorhynchus mykiss)

Crustacea: No data available

Algae: No data available

Persistence and degradability: No data available

Bioaccumulative potential (BCF): 15

Mobility in soil: No data available

Partition coefficient (n-octanol/water): logPow: 1.86

Soil adsorption (Koc): 250

Henry's Law constant (PaM³/mol): 1.6×10^{-3}

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

DOT (US): Non-hazardous for transportation

IATA: Non-hazardous for transportation

IMDG: Non-hazardous for transportation

Section 15. Regulatory Information

Toxic Substance Control Act (TSCA 8b.): This product is ON the EPA Toxic Substances Control Act (TSCA) inventory.

US Federal Regulations

CERCLA Hazardous substance and Reportable Quantity:

SARA 313: Not Listed



SARA 302: Not Listed

State Regulations

State Right-to-Know

Massachusetts: Not Listed

New Jersey: Listed

Pennsylvania: Not Listed

California Proposition 65: Not Listed

Other Information

NFPA Rating

Health: 0

Flammability: 0

Reactivity: 0

HMIS Rating

Health: 1

Flammability: 0

Reactivity: 0

International Inventories

WHMIS hazard class: D2B: Materials causing other toxic effects. (Toxic)

EC-No: 202-303-5

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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