

Section 1. Product and Company Identification

**Product Name** Benzoic Acid Natural  
**CAS Number** 65-85-0

**Parchem - fine & specialty chemicals**  
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Collect Calls Accepted

Section 2. Hazards Identification

**Classification of the substance or mixture**  
**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**

Skin irritation (Category 2), H315  
Serious eye damage (Category 1), H318  
Specific target organ toxicity - repeated exposure, Inhalation (Category 1), Lungs, H372  
Acute aquatic toxicity (Category 3), H402

**GHS Label Elements**

**Pictograms:**



**Signal word:** DANGER

**Hazard and precautionary statements**

**Hazard statements**

H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H372 Causes damage to organs (Lungs) through prolonged or repeated exposure if inhaled.  
H402 Harmful to aquatic life.

**Precautionary Statements**

P260 Do not breathe dust/fume/gas/mist/vapors/spray.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P273 Avoid release to the environment.  
P280 Wear eye protection/ face protection.



P280 Wear protective gloves.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/ physician.  
P314 Get medical advice/ attention if you feel unwell.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P362 Take off contaminated clothing and wash before reuse.  
P501 Dispose of contents/ container to an approved waste disposal plant.

**Hazards not otherwise classified (HNOC) or not covered by GHS:** None

Section 3. Composition / Information on Ingredients

**Common Name** Benzoic Acid  
**Formula**  $C_7H_6O_2$   
**CAS Number** 65-85-0

COMPONENT	CAS NUMBER	CONCENTRATION
Benzoic Acid	65-85-0	≤ 100%

Section 4. First Aid Measures

**Description of first-aid measures**

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**Skin contact:** Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.

**Eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. Continue rinsing eyes during transport to hospital.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Most important symptoms and effects, both acute and delayed:** The most important known symptoms and effects are described in the labelling and/or in section 11.

**Indication of any immediate medical attention and special treatment needed:** No data available

Section 5. Firefighting Measures

**Extinguishing media**

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.



**Special hazards arising from the substance or mixture:** Carbon oxides

**Advice for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.

**Further Information:** No data available

#### Section 6. Accidental Release Measures

**Personal precautions, protective equipment, and emergency procedures:** Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. For personal protection see section 8.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Methods and materials for containment and cleaning up:** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**Reference to other sections:** For disposal see section 13.

#### Section 7. Handling and Storage

**Precautions for safe handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed.

**Conditions for safe storage, including any incompatibilities:** Keep container tightly closed in a dry and well-ventilated place. Storage class (TRGS 510): Non-combustible, acute toxic Cat.3 / toxic hazardous materials or hazardous materials causing chronic effects

#### Section 8. Exposure Controls / Personal Protection

##### Control parameters

**Components with workplace control parameters:** Contains no substances with occupational exposure limit values.

##### Exposure controls

**Appropriate engineering controls:** Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

##### Personal protective equipment

**Eye/face protection:** Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Body Protection:** Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection:** Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Control of environmental exposure:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

## Section 9. Physical and Chemical Properties

### Information on basic physical and chemical properties

#### Appearance

**Form:** Crystalline

**Color:** White

**Odor:** No data available

**Odor Threshold:** No data available

**pH:** 2.5 - 3.5 at 20°C (68°F)

**Melting point/freezing point:** No data available

**Initial boiling point and boiling range:** 132 - 133°C (270 - 271°F) at 13 hPa (10 mmHg)

**Initial boiling point and boiling range:** 249°C (480°F) - lit.

**Flash point (Closed Cup):** 121°C (250°F)

**Evaporation rate:** No data available

**Flammability (solid, gas):** No data available

**Upper/lower flammability or explosive limits:** No data available

**Vapor pressure:** 13 hPa (10 mmHg) at 132°C (270°F)

**Vapor density:** 4.22 - (Air = 1.0)

**Relative density:** 1.320 g/cm<sup>3</sup> at 20°C (68°F)

**Water solubility:** 2.9 g/l at 25°C (77°F)

**Partition coefficient (n-Octanol/water):** log Pow: 1.88

**Auto-ignition temperature:** No data available

**Decomposition temperature:** No data available

**Viscosity:** No data available

**Explosive properties:** No data available

**Oxidizing properties:** No data available

### Other safety information

**Relative vapor density:** 4.22 - (Air = 1.0)

## Section 10. Stability and Reactivity

**Reactivity:** No data available

**Chemical stability:** Stable under recommended storage conditions.

**Possibility of hazardous reactions:** No data available

**Conditions to avoid:** No data available

**Incompatible materials:** Strong oxidizing agents, Strong bases, Strong reducing agents

#### **Hazardous decomposition products**

Other decomposition products: No data available

In the event of fire: see section 5

### Section 11. Toxicological Information

#### **Information on toxicological effects**

##### **Acute toxicity**

LD50 Oral - Rat - female - 2,360 mg/kg

(OECD Test Guideline 401)

Remarks: Behavioral: Somnolence (general depressed activity). Cyanosis

LC50 Inhalation - Rat - 4 h - > 12.2 mg/l

LD50 Dermal - Rabbit - > 2,000 mg/kg

**Skin corrosion/irritation:** Moderate skin irritation Classified according to Regulation (EU)

1272/2008, Annex VI (Table 3.1/3.2)

##### **Serious eye damage/eye irritation**

Eyes - Rabbit

Result: Corrosive

(Directive 67/548/EEC, Annex V, B.5.)

##### **Respiratory or skin sensitization**

Maximization Test (GPMT) - Guinea pig

Result: Does not cause skin sensitisation.

(OECD Test Guideline 406)

##### **Germ cell mutagenicity**

Ames test

S. typhimurium

Result: negative

##### **Carcinogenicity**

**IARC:** No component of this product, present at levels greater than or equal to 0.1%, is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH:** No component of this product, present at levels greater than or equal to 0.1%, is identified as a carcinogen or potential carcinogen by ACGIH.

**NTP:** No component of this product, present at levels greater than or equal to 0.1%, is identified as a known or anticipated carcinogen by NTP.

**OSHA:** No component of this product, present at levels greater than or equal to 0.1%, is identified as a carcinogen or potential carcinogen by OSHA.



**Reproductive toxicity:** No data available

**Specific target organ toxicity - single exposure:** No data available

**Specific target organ toxicity - repeated exposure:** Inhalation - Causes damage to organs through prolonged or repeated exposure. - Lungs

**Aspiration hazard:** No data available

#### Additional Information

**RTECS:** DG0875000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

#### Section 12. Ecological Information

##### Toxicity

Toxicity to fish LC50 - *Lepomis macrochirus* - 44.6 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates

Immobilization EC50 - *Daphnia magna* (Water flea) - 860 mg/l - 48 h

Toxicity to algae static test EC50 - *Pseudokirchneriella subcapitata* - > 33.1 mg/l - 72 h (OECD Test Guideline 201)

**Persistence and degradability:** Expected to be biodegradable

##### Bioaccumulative potential

Bioaccumulation *Leuciscus idus* (Golden orfe) - 3 d - 50 µg/l

Bioconcentration factor (BCF): 5.3

**Mobility in soil:** No data available

**Results of PBT and vPvB assessment:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects:** An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Harmful to aquatic life.

#### 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):** Not dangerous goods.

**IMDG:** Not dangerous goods.

**IATA:** Not dangerous goods.



Section 15. Regulatory Information

**SARA 302 Components:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards:** Acute Health Hazard

**Massachusetts Right to Know Components**

Benzoic acid (CAS-No. 65-85-0)

Revision Date: 2007-03-01

**Pennsylvania Right to Know Components**

Benzoic acid (CAS-No. 65-85-0)

Revision Date: 2007-03-01

**New Jersey Right to Know Components**

Benzoic acid (CAS-No. 65-85-0)

Revision Date: 2007-03-01

**California Prop. 65 Components:** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**HMIS Rating**

**Health:** 3

**Flammability:** 1

**Reactivity:** 0

**NFPA Rating**

**Health:** 3

**Flammability:** 1

**Reactivity:** 0

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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