

TIANJIN DONGDA CHEMICAL GROUP CO., LTD

No. 21 Gangda Road, Nangang industrial Zone, TEDA,
Tianjin, China
Tel: 86-22-25386515 Fax:86-22-25385362

BENZOIC ACID

SAFETY DATA SHEET

Benzoic Acid

Version1.0

Revision Date 20220101

1. Identification

Product identifier used on the label

Benzoic Acid

Details of the supplier of the safety data sheet

Company:

Tianjin Dongda Chemical Group Co.,Ltd.

No. 21 Gangda Road, Nangang industrial Zone,
TEDA, Tianjin, China

Emergency telephone number

Telephone: +86-22-25386515

2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product

Skin Corr./Irrit. 2 Skin corrosion/irritation

Eye Dam. 1 1 Eye damage/irritation

STOT RE 1 1 Specific target organ toxicity, repeated exposure

Label elements

Pictogram:



Signal Word:

Danger

Hazard Statement:

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- H315 Causes skin irritation.
H318 Causes serious eye damage.
H372 Causes damage to organs < lungs > through prolonged or repeated exposure
<< Inhalation >>.

Precautionary Statements (Prevention):

- P264 Wash with plenty of water and soap thoroughly after handling.
P280 Wear protective gloves/eye protection/face protection.
P260 Do not breathe dust/fume/gas/mist/ vapours/spray.
P270 Do not eat, drink or smoke when using this product.

Precautionary Statements (Response):

- P302 + P352 IF ON SKIN: Wash with plenty water
P310 Immediately call a POISON CENTER or doctor/physician.
P321 Specific treatment (see first aid measures on this SDS)
P332 + P313 If skin irritation occurs: Get medical advice/attention.
P362 + P364 Take off contaminated clothing and wash it before reuse.
P314 Get medical advice/attention if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary Statements (Disposal):

- P501 Dispose of contents/container to hazardous or special waste collection point.

Hazards not otherwise classified

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

3. Composition / Information on Ingredients

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

CAS Number	Weight %	Chemical name
65-85-0	>=99.0 - <=100.0%	benzoic acid

4. First-Aid Measures

Description of first aid measures

General advice:

Remove contaminated clothing

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If inhaled:

Remove the affected individual into fresh air and keep the person calm. Assist in breathing if Necessary.Immediate medical attention required.

If on skin:

Wash affected areas with water while removing contaminated clothing. Remove contaminated clothing.

Immediate medical attention required. Wash soiled clothing immediately.

If in eyes:

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Immediate medical attention required.

If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions.

Immediate medical attention required.

Indication of any immediate medical attention and special treatment needed

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:

foam, carbon dioxide, dry powder

Special hazards arising from the substance or mixture

Hazards during fire-fighting:

carbon monoxide, carbon dioxide

Advice for fire-fighters

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with the skin, eyes and clothing. Avoid inhalation.

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Environmental precautions

Substance/product is RCRA hazardous due to its properties.

Methods and material for containment and cleaning up

Spills should be contained, solidified, and placed in suitable containers for disposal.

7. Handling and Storage

Precautions for safe handling

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Protection against fire and explosion:

SMALL FIRE: Use DRY chemical powder.

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a cool, well-ventilated place. Keep container dry. Take precautionary measures against electrostatic discharges.

Further information on storage conditions: Containers should be stored tightly sealed in a dry place. Avoid all sources of ignition: heat, sparks, open flame.

Keep away from sources of ignition - No smoking. Avoid all sources of ignition: heat, sparks, open flame.

8. Exposure Controls/Personal Protection

Components with workplace control parameters

No occupational exposure limits known.

Advice on system design:

Provide local exhaust ventilation to control vapors/mists.

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Personal protective equipment

Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) organic vapor/particulate respirator. Do not exceed the maximum use concentration for the respirator facepiece/cartridge combination. Observe OSHA regulations for respirator use (29 CFR 1910.134).

Hand protection:

Chemical resistant protective gloves

Eye protection:

Tightly fitting safety goggles (chemical goggles) and face shield.

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

General safety and hygiene measures:

Eye wash fountains and safety showers must be easily accessible. Wear protective clothing as necessary to prevent contact. Take off immediately all contaminated clothing. Store work clothing separately.

9. Physical and Chemical Properties

Form: plates, power

Odor: odorless

Odor threshold: not determined

Color: white

pH value: 2.8 (Saturated soln at 25 deg C)

Melting point: 122.4 ° C

Boiling point: 249.2 ° C

Flash point: 121 ° C(closed cup)

Lower explosion limit: No data available

Upper explosion limit: No data available

Auto-ignition: No data available

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Vapor pressure: No data available

Density: 1.3 g/cm³

Vapor density: No data available

Partitioning coefficient n-octanol/water (log Pow): No data available

Self-ignition temperature: No data available.

Viscosity, dynamic: No data available

Solubility in water: 3400 mg/L (25 °C)

10. Stability and Reactivity

Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Chemical stability

The product is stable if stored and handled as prescribed/indicated.

Conditions to avoid

Keep away from heat, sparks and flame. Prevent formation of dust clouds.

Incompatible materials

Strong oxidising materials, reducing agents, bases.

Hazardous decomposition products

Thermal decomposition:

Hazardous decomposition products: phenol, benzene

11. Toxicological information

Primary routes of exposure

Ingestion and inhalation, but may include eye or skin contact.

Acute Toxicity/Effects

Acute toxicity

Oral

LD50 (rat): 2565 mg/kg

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Inhalation

LC50 (rat) 4h: >12,200 mg/m³

Dermal

LD50(rabbit)>2,000 mg/kg bw

Eye damage/eye irritation

Causes serious eye damage..

Skin corrosion/irritation

Causes skin irritation.

Respiratory or skin sensitization

Respiratory sensitization

No data available

Skin sensitization

No data available

Chronic Toxicity/Effects

Carcinogenicity

No relevant information found.

Mutagenicity

no data available

Reproductive toxicity

No relevant information found.

Teratogenicity

No relevant information found.

Specific Target Organ Systemic Toxicity (Single Exposure)

No relevant information found.

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Specific Target Organ Systemic Toxicity (Repeated Exposure)
Causes damage to organs < lungs > through prolonged or repeated exposure
<< Inhalation >>.

Aspiration Hazard

No relevant information found.

12. Ecological Information

Toxicity

Acute aquatic toxicity
LC50/96 h/ bluegill sunfish: 44.6 mg/l. .

Chronic aquatic toxicity
EC50/28d/Oncorhynchus mykiss: >120mg/l .

Microorganisms/Effect on activated sludge

Toxicity to microorganisms
No data available

Persistence and degradability

Assessment biodegradation and elimination (H2O)
No data available

Elimination information
No data available

Bioaccumulative potential

Bioaccumulation potential

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No data available

Mobility in soil

Assessment transport between environmental compartments

No data available

Additional information

Other ecotoxicological advice:

Do not release untreated into natural waters.

13. Disposal considerations

Waste disposal of substance:

Do not discharge into waterways or sewer systems without proper authorization.

Dispose of in accordance with national, state and local regulations. Dispose of in a RCRA-licensed facility.

Container disposal:

Empty containers with less than 1 inch of residue may be landfilled at a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers. If containers are not empty, they must be disposed of in a RCRA-licensed facility.

RCRA: D002

14. Transport Information

Land transport

USDOT

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

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Air transport

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IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations

Registration status:

Chemical TSCA, US released / listed

EPCRA 311/312 (Hazard categories): Acute; Fire

NFPA Hazard codes:

Health : 1 Fire: 1 Reactivity: 0 Special:

HMIS III rating

Health:1 Flammability:1 Physical hazard: 0

16. Other Information

SDS Prepared on: 2015/11/05

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements.

The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed