

SAFETY DATA SHEET

(According to Regulation (EC) No. 1907/2006)

S D S

SDS Version: 1.3-Eng

Product: Benzoic Acid

Creation Date: 2014-10-31

Revision Date: 2017-04-18

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers

Product name : Benzoic Acid
Brand : Wuhan Youji Industries Co., Ltd.
CAS-No. : 65-85-0

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Intermediates of Pharmaceutical and dye

1.3 Details of the supplier of the safety data sheet

Company : Wuhan Youji Industries Co., Ltd. No.1, 2nd Chemical Road, Wuhan Chemical Industry Park, Wuhan, China 430082

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CHEMTREC 1-800-424-9300

1.4 Emergency telephone number

Emergency Phone # : +86 27 83429800

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Acute toxicity, oral (Category 4)
Skin corrosion/irritation (Category 2)
Serious eye damage/eye irritation (Category 1)
Specific target organ toxicity, single exposure; Respiratory tract irritation (Category 3)
Specific target organ toxicity, repeated exposure (Category 1)

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Irritating to respiratory system. Risk of serious damage to eyes.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram



Signal word Danger

Hazard statement(s)

H302 Harmful if swallowed.

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H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H335 May cause respiratory irritation.
 H372 Causes damage to organs through prolonged or repeated exposure if inhaled: Lungs

Precautionary statement(s)

P260 Do not breathe dust/fumes/gas/mist/vapours/spray.
 P264 Wash thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P362+P364 Take off contaminated clothing and wash it before reuse.
 P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
 P314 Get medical advice/attention if you feel unwell.
 P330 Rinse mouth.
 P321 Specific treatment (Reference to supplemental Safety Data Sheets.)
 P302+P352 IF ON SKIN: Wash with plenty of water.
 P332+P313 If skin irritation occurs: Get medical advice/attention.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental Hazard Statements: Fine dust clouds may form explosive mixtures with air.

According to European Directive 67/548/EEC as amended.

Hazard symbol(s)



R-phrases(s)

R22 Harmful if swallowed
 R37 Irritating to respiratory system.

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- R38 Irritating to skin
R41 Risk of serious damage to eyes.
S-phrase(s)
S20/21 When using do not eat, drink or smoke.
S22 Do not breathing dust.
S25 Avoid contact with eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39 Wear suitable gloves and eye/face protection.
S51 Use only in well-ventilated areas.
S63 In case of accident by inhalation, remove casualty to fresh air and keep at rest.
S64 If swallowed, rinse mouth with water.

2.3 Other hazards – none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Formula : C₇H₆O₂

Molecular Weight : 122,12 g/mol

Synonyms: Acid benzoique (French) * Acido benzoic (Italian) * Benzenemethanoic acid * Benzoate * Benzoesaure(German) * Carboxybenzene * Draclyic acid * E 210 * HA 1(acid) * Kyselina benzoova(Czech) * Phenylcarboxylic acid * Phenylformic acid * Retarder BA * Retardex * Salvo liquid * Salvo powder * Tenn-Plas

Component	Concentration
Benzoic acid	
CAS-No. 65-85-0	≥99.0%
EC-No. 200-618-2	

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Consult a physician.

In case of skin contact

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Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

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

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Carbon oxides

5.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

5.4 Further information

No data available

6. ACCIDENTAL RELEASE MEASURES**6.1 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.

6.2 Environmental precautions

Do not let product enter drains.

6.3 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.

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

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Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end uses

No data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

8.2 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.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Respiratory protection.

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an Industrial Hygienist familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the

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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).

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

a) Appearance Form:	White solid
b) Odour:	Odourless or with a slight benzaldehyde odor
c) Odour Threshold:	No data available
d) pH:	2.8 at 25°C
e) Melting point/freezing point:	Melting point/range : 122.4 ° C - lit.
f) Initial boiling point and boiling range:	249.2° C - lit.
g) Flash point:	No data available
h) Evaporation rate:	No data available
i) Flammability (solid, gas):	Non flammable
j) Upper/lower flammability or explosive limits:	No data available
k) Vapour pressure:	0.000936 hPa at 25 ° C
l) Vapour density:	No data available
m) Relative density:	1.321 g/cm ³ at 20 ° C
n) Water solubility:	2.93 g/l at 20 ° C
o) Partition coefficient: noctanol/water:	log Pow: 1.88
p) Autoignition temperature:	No data available
q) Decomposition temperature:	No data available
r) Viscosity:	No data available
s) Explosive properties:	Non explosive
t) Oxidizing properties:	No oxidizing properties

9.2 Other safety information

No data available

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available

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10.2 Chemical stability

No data available

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong oxidizing agents, Strong bases, Strong reducing agents

10.6 Hazardous decomposition products

Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Acute toxicity**

LD50 Oral - rat - > 2565 mg/kg

LC50 Inhalation - rat - 4 h - > 12.2 mg/L

LD50 Dermal - rabbit - > 2000 mg/kg

Skin corrosion/irritation

Skin - rabbit - Mild skin irritation - 24 h - Draize Test

Serious eye damage/eye irritation

Eyes - rabbit - Risk of serious damage to eyes. - Draize Test

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

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.

Reproductive toxicity

No effects were noted after chronic dietary exposure of rats to 1% the test substance in diet. Furthermore, no effects were observed on fertility in four generations after chronic dietary exposure of rats to 1% the test substance in diet. No effects on reproduction were seen.

Specific target organ toxicity - single exposure

Inhalation - May cause respiratory irritation. - Lungs

Specific target organ toxicity - repeated exposure

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No data available

Aspiration hazard

No data available

Potential health effects**Inhalation** May be harmful if inhaled. Causes respiratory tract irritation.**Ingestion** May be harmful if swallowed.**Skin** May be harmful if absorbed through skin. May cause skin irritation.**Eyes** Causes eye burns.**Signs and Symptoms of Exposure**

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

Additional Information

RTECS: DG0875000

12. ECOLOGICAL INFORMATION**12.1 Toxicity**Toxicity to fish LC50 - *Gambusia affinis* (Mosquito fish) - 180 mg/l - 96 hToxicity to algae Growth inhibition EC50 - *Scenedesmus quadricauda*
(Green algae) - > 10 mg/l - 14 d**12.2 Persistence and degradability**

No data available

12.3 Bioaccumulative potentialBioaccumulation *Leuciscus idus* (Golden orfe) - 3 d -50 µg/l

Bioconcentration factor (BCF): 5,3

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

The substance is not PBT / vPvB

12.6 Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

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Contaminated packaging

Dispose of as unused product.

14. TRANSPORT INFORMATION**14.1 UN number**

ADR/RID: -

IMDG: -

IATA: -

14.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

14.4 Packaging group

ADR/RID: -

IMDG: -

IATA: -

14.5 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

14.6 Special precautions for user

no data available

15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No data available

15.2 Chemical Safety Assessment

No data available

16. OTHER INFORMATION**Further information**

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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. WUHAN YOUJI INDUSTRIES CO., LTD. and its Affiliates shall not be held liable for any damage resulting from handling or from contact with

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the above product. See www.chinaorganic.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

This version of SDS of Benzoic Acid is exclusively for North America.

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