



SAFETY DATA SHEET

1 IDENTIFICATION

Product Name	Benzoic Acid
Recommended use & restriction on use	
Recommended use	Industrial, Manufacturing or Laboratory use
Restrictions on use	Not known
Supplier:	
Company name	Canton Chem Inc.
Address	6310 Kerne Ct Clarksville, MD 21029
Telephone	410-531-5671
Fax	410-531-5736
Email	info@cantonchem.com
Emergency telephone number	800-255-3924 (24 hr)
Contact Name:	Chem-Tel, Inc.

2 HAZARD(S) IDENTIFICATION

Hazard classification

Health Hazards

- Acute toxicity (Oral)
- Skin Corrosion/Irritation
- Serious Eye Damage/Eye Irritation

Label Elements

Pictogram



Signal Word

Warning

Hazard Statement

- Harmful if swallowed.
- Causes skin irritation.
- Causes serious eye irritation.

Precautionary Statement

Prevention

Do not eat, drink or smoke when using this product.
Wear protective gloves/eye protection/face protection.
Wash hands thoroughly after handling.

Response

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

If skin irritation occurs: Get medical advice/attention.
Specific treatment (see this label).

Disposal:

Dispose of contents / container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Other hazards which do not result in GHS classification None.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical identity	CAS Number	Content in percent (%)*
Benzoic Acid USP	65-85-0	100

*All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume

4 FIRST-AID MEASURES

General information

Ensure that emergency personnel are aware of the material involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

Ingestion

Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

Inhalation

Move to fresh air. If breathing stops, provide artificial respiration. Get medical attention.

Skin contact

Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.

Eye contact

Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Most important symptoms/effects, acute and delayed

Symptoms

Irritating to eyes, respiratory system and skin. Harmful if swallowed.

Indication of immediate medical attention and special treatment needed

Treatment

Treat symptomatically. Symptoms may be delayed.

5 FIRE-FIGHTING MEASURES

General Fire Hazards	Dust may form explosive mixture with air.
Suitable (and unsuitable) extinguishing media	
Suitable extinguishing media	Water spray, fog, CO2, dry chemical, or regular foam.
Unsuitable extinguishing media	None known
Specific hazards arising from the chemical	Dust may form explosive mixture with air.
Special protective equipment and precautions for firefighters	
Special fire fighting procedures	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool.
Special protective equipment for fire-fighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	See Section 8 of the MSDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep unauthorized personnel away .
Methods and material for containment and cleaning up	Eliminate sources of ignition. Sweep up and place in a clearly labeled container for chemical waste. Clean surface thoroughly to remove residual contamination.
Notification Procedures	Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.
Environmental Precautions	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.

7 HANDLING AND STORAGE

Precautions for safe handling	Avoid generation and spreading of dust. Dust may form explosive mixture with air. DO NOT handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Avoid inhalation of dust. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Wash hands thoroughly after handling. See Section 8 of the MSDS for Personal
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Protective Equipment.

Conditions for safe storage including any Incompatibilities

Keep away from food, drink and animal feeding stuffs. Store in tightly closed original container in a dry, cool and well-ventilated place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

Appropriate Engineering controls

No data available.

Individual protection measures, such as personal protective equipment

General information

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. An eye wash and safety shower must be available in the immediate work area.

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin Protection

Hand Protection

Wear protective gloves.

Other

Wear suitable protective clothing.

Respiratory Protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

Hygiene measures

Provide eyewash station and safety shower. Do not eat, drink or smoke when using the product. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Wash contaminated clothing before reuse.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state

Crystals

Form	Crystals or powder.
Color:	White
Odor	Mild
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	122.4 °C
Initial boiling point and boiling range:	249 °C (101.325 kPa)
Flash Point	121 °C (Closed Cup)
Evaporation rate	No data available.
Flammability (solid, gas):	No data available.
Upper/lower limit on flammability or explosive limits	
Flammability limit - upper (%):	No data available
Flammability limit - lower (%):	No data available
Explosive limit - upper (%):	No data available
Explosive limit - lower (%):	No data available
Vapor pressure	7.5 kPa (96 °C)
Vapor density	4.21 AIR=1
Relative density	1.32 (20 °C)
Solubility(ies)	
Solubility in water:	Slightly soluble in water, soluble in boiling water
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	1.87
Auto-ignition temperature	570 °C
Decomposition temperature	No data available.
Viscosity	No data available
Other information	
Molecular weight	122.13 g/mol

10 STABILITY AND REACTIVITY

Reactivity	No dangerous reaction known under conditions of normal use.
Chemical stability	Material is stable under normal conditions.
Possibility of Hazardous reactions	Hazardous polymerization does not occur.
Conditions to Avoid	Avoid dust formation. Excessive heat.
Incompatible Materials	Oxidizing agents. Bases. Metals.
Hazardous Decomposition products	By heating and fire, toxic vapors/gases may be formed.

11 TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Ingestion	Harmful if swallowed.
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Inhalation	Dust may irritate throat and respiratory system and cause coughing.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.
Information on toxicological effects	
Acute toxicity (list all possible routes of exposure)	
Oral	LD 50 (Rat): 1,700 mg/kg
Dermal	LD 50 (Rabbit): > 5,000 mg/kg
Inhalation	LC 50 (Rat, 1 h): > 0.026 mg/l
Repeated dose toxicity	No data available.
Skin Corrosion/Irritation	Causes skin irritation.
Serious Eye Damage/Eye Irritation	Causes serious eye irritation.
Respiratory or Skin Sensitization	Not a skin sensitizer.
Carcinogenicity	No data available.
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans	No carcinogenic components identified
US. National Toxicology Program (NTP) Report on Carcinogens	No carcinogenic components identified
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	No carcinogenic components identified
Germ Cell Mutagenicity	
In vitro	No mutagenic components identified
In vivo	No mutagenic components identified
Reproductive Toxicity	No data available
Specific Target Organ Toxicity - Single Exposure	No data available
Specific Target Organ Toxicity - Repeated Exposure	No data available.
Aspiration Hazard	Not classified
Other Effects	No data available.

12 ECOLOGICAL INFORMATION

Ecotoxicity

Acute hazards to the aquatic environment

Fish

No data available

Specified substance(s):

LC 50 (Western mosquitofish (*Gambusia affinis*), 96 h): 180 mg/l Mortality.

LC 50 (Carp (*Leuciscus idus melanotus*), 48 h): 460 mg/l Mortality.

Aquatic invertebrates

No data available

Specified substance(s):

LC 50 (Water flea (*Daphnia magna*), 24 h): 1,540 mg/l Mortality.

Chronic hazards to the aquatic environment

Fish

No data available.

Aquatic Invertebrates

No data available.

Toxicity to Aquatic Plants

No data available.

Persistence and Degradability

Biodegradation

There are no data on the degradability of this product.

BOD/COD Ratio

No data available.

Bioaccumulative Potential

Bioconcentration Factor (BCF)

No data available on bioaccumulation.

Partition Coefficient n-octanol / water (log Kow)

Log Kow: 1.87

Mobility in Soil

No data available.

Other Adverse Effects

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

13 DISPOSAL CONSIDERATIONS

Disposal instructions:

Discharge, treatment, or disposal may be subject to national, state, or local laws.

Contaminated Packaging

Since emptied containers retain product residue, follow

label warnings even after container is emptied.

14 TRANSPORT INFORMATION

DOT	Not regulated.
IMDG	Not regulated.
IATA	Not regulated.

15 REGULATORY INFORMATION

US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	None present or none present in regulated quantities.
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	

CERCLA Hazardous Substance List (40 CFR 302.4):	Reportable quantity: 5000 lbs.
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Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories	Acute (Immediate)
	Chronic (Delayed)
	Fire
	Reactive
	Pressure generation

SARA 302 Extremely Hazardous Substance	None present or none present in regulated quantities.
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SARA 304 Emergency Release Notification

Chemical Identify	RQ
Benzoic Acid	5000lbs.

SARA 311/312 Hazardous Chemical

Chemical Identify	Threshold Planning Quantity
Benzoic Acid	500lbs.

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

Reportable quantity: 5000 lbs.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65

No ingredient regulated by CA Prop 65 present.

US. New Jersey Worker and Community Right-to-Know Act Listed

US. Massachusetts RTK - Substance List Listed

US. Pennsylvania RTK - Hazardous Substances Listed

US. Rhode Island RTK No ingredient regulated by RI Right-to-Know Law present

Inventory status

Australia AICS:	On or in compliance with the inventory.
Canada DSL Inventory List:	On or in compliance with the inventory.
EINECS, ELINCS or NLP:	On or in compliance with the inventory.
Japan (ENCS) List:	On or in compliance with the inventory.
China Inv. Existing Chemical Substances:	Not in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory.
Canada NDSL Inventory:	Not in compliance with the inventory.
Philippines PICCS:	On or in compliance with the inventory.
US TSCA Inventory:	On or in compliance with the inventory.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory.
Japan ISHL Listing:	On or in compliance with the inventory.
Japan Pharmacopoeia Listing:	On or in compliance with the inventory.

16 OTHER INFORMATION

Revision information

Version: 1.1
Revision Date: 3-16-2015

NFPA Hazard



Flammability
Health
Reactivity
Special hazard.

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Canton Chem Inc be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Canton Chem Inc has been advised of the possibility of such damages