

**SAFETY DATA SHEET (GHS)****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

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Email [info@cantonchem.com](mailto:info@cantonchem.com)

Emergency telephone number **800-255-3924 (24 hr)**

Contact Name: Chem-Tel, Inc.

**2 HAZARD IDENTIFICATION**

Health Hazards Acute toxicity (Oral): Category 4  
Skin Corrosion/Irritation: Category 2  
Serious Eye Damage/Eye Irritation: Category 2A

GHS Label elements

Pictogram



Signal word

Warning

Hazard statement(s)

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

Precautionary statement(s)

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.

Response (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	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**

Description of first aid measures

General advice

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 **FIREFIGHTING MEASURES**

General Fire Hazards: Dust may form explosive mixture with air.

Suitable (and unsuitable) extinguishing media Water spray, fog, CO<sub>2</sub>, dry chemical, or regular foam

Unsuitable extinguishing media: Not 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 skin and eye contact and breathing in dust. Avoid handling which leads to dust formation. In common with many organic chemicals, may form flammable dust clouds in air. For precautions necessary refer to Safety Data Sheet "Dust Explosion Hazards". Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities

Store in a dry, well ventilated place and out of direct sunlight. Store away from incompatible materials described in Section 10. Store away from sources of heat or ignition. Keep containers closed when not in use - check regularly for spills.

## 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).

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	Solid
Form	Crystal or powder
Color:	White
Odor	Mild
Odor threshold	No data available
pH	2.8 (25 °C) Saturated solution in water
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:	2.9 g/l
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 (C7H6O2)

## 10 STABILITY AND REACTIVITY

Reactivity	No dangerous reaction known under conditions of normal use
Chemical stability	Material stable under recommended storage conditions
Possibility of hazardous reactions	Hazardous polymerization does not occur
Conditions to avoid	Avoid dust generation. Avoid exposure to heat, sources of ignition, and open flame.

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

Information on toxicological effects

Ingestion:

Harmful if swallowed

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 (Product)

LD 50 (Rat): 1,700 mg/kg

Dermal (Product)

LD 50 (Rabbit): > 5,000 mg/kg

Inhalation (Product)

LC 50 (Rat, 1 h): > 0.026 mg/l

Repeated Dose Toxicity (Product)

No data available

Skin Corrosion/Irritation (Product)

Causes skin irritation

Serious Eye Damage/Eye Irritation (Product)

Causes serious eye irritation

Respiratory or Skin Sensitization (Product)

Not a skin sensitizer

Carcinogenicity (Product)

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 (Product)

No mutagenic components identified



In vivo (Product)	No mutagenic components identified
Reproductive Toxicity (Product)	No data available
Specific Target Organ Toxicity - Single Exposure (Product)	No data available
Specific Target Organ Toxicity - Repeated Exposure (Product)	No data available
Aspiration Hazard (Product)	No data available
Other Effects:	No data available

## 12 ECOLOGICAL INFORMATION

### Ecotoxicity:

#### Acute hazards to the aquatic environment

Fish (Product) 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 (Product) 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 (Product) No data available

Aquatic Invertebrates (Product) No data available

Toxicity to Aquatic Plants (Product) No data available

### Persistence and Degradability

Biodegradation (Product) There are no data on the degradability of this product

BOD/COD Ratio (Product) No data available

### Bioaccumulative Potential

Bioconcentration Factor (BCF) (Product) No data available on bioaccumulation

Partition Coefficient n-octanol / water  
(log Kow) (Product) 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

Disposition methods	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) US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	None present or none present in regulated quantities
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CERCLA Hazardous Substance List (40 CFR 302.4)	Reportable quantity: 5000 lbs
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SARA 311/312 Hazards Hazard categories	<input checked="" type="checkbox"/> Acute (Immediate) <input type="checkbox"/> Chronic (Delayed) <input checked="" type="checkbox"/> Fire <input type="checkbox"/> Reactive <input type="checkbox"/> Pressure Generating
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SARA 302 Extremely Hazardous Substance	None present or none present in regulated quantities
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SARA 304 Emergency Release Notification	Chemical Identity: Benzoic acid RQ: 5000 lbs.
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SARA 311/312 Hazardous Chemical	Chemical Identity: Benzoic acid Threshold Planning Quantity: 500 lbs
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SARA 313 (TRI Reporting)	None present or none present in regulated quantities
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Clean water Act Sec 311 Hazardous Substances (40 CFR 117.3)	Reportable quantity: 5000 lbs
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Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR	None present or none present in regulated quantities
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68.130):

US State Regulations

US. California Proposition 65                      No ingredient regulated by CA Prop 65 present

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

US. Massachusetts RTK - Substance List      Listed

US. Pennsylvania RTK - Hazardous              Listed  
Substances

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

Inventory status                                      Data not available

## 16 **OTHER INFORMATION**

Version Information

Version: 1.5

Revision Date: 6-24-2019

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 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 has been advised of the possibility of such damages.

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**CANTON**

Date	Invoice #
11/10/2020	208155

**Packing Slip**

**Bill To**

Parr Instrument Company  
211- 53rd Street  
Moline, Illinois 61265

**Ship To**

Parr Instrument Company  
211- 53rd Street  
Moline, IL 61265

P.O. No.	Ship	FOB	Via	Purchasing Agent
737025	11/10/2020	NJ	UPS Ground Coll	Kevin Johnson
Units	Packing	Batch No.	Description	Quantity (Kg)
1	50 kg drum	191053 USP/BP	Benzoic Acid USP	50

*Thank you for your business*

**CANTON LABORATORIES PVT. LTD.****Plant 1 :**

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**CANTON**

FSSC 22000 &amp; cGMP Certified

**CERTIFICATE OF ANALYSIS**

PRODUCT	BENZOIC ACID USP/BP		
PRODUCT CODE OF CUSTOMER (IF ANY)	---		
BATCH NO.	191053	SUPPLY QUANTITY	1000 KG.
MFG. DATE	DEC.'19	RETEST DATE	NOV.'24


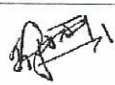
**RESULT OF ANALYSIS**

DESCRIPTION: WHITE CRYSTALS OR SCALES OR NEEDLES WITH A SLIGHT CHARACTERISTIC ODOUR, VOLATILE AT MODERATELY WARM TEMP.

SOLUBILITY: SLIGHTLY SOLUBLE IN WATER AND SOLUBLE IN BOILING WATER, FREELY SOLUBLE IN ETHANOL (96%) AND IN FATTY OILS, CHLOROFORM & IN ETHER

TEST	STANDARD	RESULT
IDENTIFICATION	AS PER USP TO PASS TEST ( 1 & 2 ) AS PER BP A) MELTING POINT 121°C - 124°C B) REACTION (a) OF BENZOATES	COMPLIES  121°C - 122°C COMPLIES
APPEARANCE OF SOLUTION	5% SOLUTION IN ALCOHOL IS CLEAR & COLOURLESS	CLEAR & COLOURLESS
CONGEALING RANGE	121 - 123°C	121°C - 122°C
WATER	MAX. 0.7%	0.20 %
READILY CARBONISABLE SUBSTANCES	AS PER USP/BP PASSES TEST	COMPLIES
READILY OXIDISABLE SUBSTANCES ( BP )	AFTER 5 MIN SOLUTION IS STILL COLOURED PINK	COMPLIES
READILY OXIDISABLE SUBSTANCES ( USP )	PASSES TEST AS USP	0.2 ml OF 0.1 N KMnO <sub>4</sub> IS CONSUMED
HALOGENATED COMPOUNDS & HALIDES	MAX. 0.03%	< 0.03%
RESIDUE ON IGNITION	MAX. 0.05%	0.02 %
SULPHATED ASH	MAX. 0.1%	0.02 %
ASSAY	99.0 - 100.5%	99.80 % C <sub>7</sub> H <sub>6</sub> O <sub>2</sub>
ASSAY (Calculated On Anhyd. basis)	99.5 - 100.5%	99.85 % C <sub>7</sub> H <sub>6</sub> O <sub>2</sub>
COMPLIANCE CERTIFICATE: THE FINISHED PRODUCT COMPLIES WITH ICH SPECIFICATION OF TOLUENE (890 PPM)		

CONCLUSION: COMPLIES AS PER ABOVE SPECIFICATION.

	PREPARED BY	APPROVED BY
SIGN		
DATE	14/02/2020	14/02/2020