


SAFETY DATA SHEET

1 IDENTIFICATION

Product Name	BENZOIC ACID
Recommended use & restriction on use	
Recommended use	As decided by end user
Restrictions on use	Not known
Supplier:	 American International Chemical, Inc. 135 Newbury St. Framingham, MA 01701 800-238-0001
Company name	Canton Chem Inc. www.aicma.com
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) Emergency Number: Chemtrec 800-424-9300
Contact Name:	Chem-Tel, Inc. 703-527-3887

2 HAZARD(S) IDENTIFICATION

Health Hazards

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

Label Elements

Hazard Symbol



Signal Word

Warning

Hazard Statement

Harmful if swallowed
Causes skin irritation
Causes serious eye irritation

Precautionary Statement

Prevention

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

Response

If swallowed: Call a Poison Center/doctor/ 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.

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**

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 POISON CENTER or doctor/physician if you feel unwell. Rinse mouth
Inhalation	Move to fresh air. Get medical attention if symptoms occur.
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	Flush thoroughly with water for at least 15 minutes. If irritation occurs, get medical assistance
Most important symptoms/effects, acute and delayed Symptoms	Harmful if swallowed. May cause irritation to skin, eyes, and respiratory tract
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, CO ₂ , 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

Prevent entry into waterways, sewer, basements or confined areas. Inform authorities if large amounts are involved.

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 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) and a face shield
Skin Protection	
Hand Protection	Chemical resistant gloves
Other	Wear suitable protective clothing
Respiratory Protection	In case of inadequate ventilation use suitable respirator
Hygiene measures	Provide eyewash station and safety shower. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state	Crystals
Form	Crystal or powder
Color:	White
Odor	Mild
Odor threshold	No data available
pH	2.8 (25°C) Aqueous solution
Melting point/freezing point	122.4 °C
Initial boiling point and boiling range:	249 °C
Flash Point	121 °C
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°)
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 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
Inhalation	Dust may irritate respiratory system and cause coughing
Skin contact	May cause 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, 1h): >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

Specified substances BENZOIC ACID

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

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

Aquatic invertebrates

Specific substances BENZOIC ACID

LC 50 (Water flea (*Daphnia magna*), 24h): 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

No data available on bioaccumulation

Bioconcentration Factor (BCF)

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

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)

None present or none present in regulated quantities

CERCLA Hazardous Substance List (40 CFR 302.4):

BENZOIC ACID Reportable Quantity: 5,000lbs

Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories

✓Acute (Immediate)

Chronic (Delayed)

✓Fire

Reactive

Pressure generation

None present or none present in regulated quantities

SARA 302 Extremely Hazardous Substance

BENZOIC ACID RQ: 5,000LBS

SARA 304 Emergency Release Notification

Threshold Planning Quantity: 500 lbs

SARA 311/312 Hazardous Chemical

None present or none present in regulated quantities.

SARA 313 (TRI Reporting)

BENZOIC ACID RQ: 5,000LBS

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

Clean Air Act (CAA) Section 112(r)

None present or none present in regulated quantities

Accidental Release Prevention (40 CFR 68.130):

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: 5-5-2015

NFPA Hazard

Health: 2 (Moderate)
Flamability: 1 (Slight)
Reactivity: 0 (Minimal)

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