CANTON

MTLA001
11/13/2020
737025

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
Fax	410-531-5736
Email	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, CO2, 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 toremove 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
CERCLA Hazardous Substance List (40 CFR 302.4)	Reportable quantity: 5000 lbs
SARA 311/312 Hazards Hazard categories	✓Acute (Immediate) Chronic (Delayed) ✓Fire Reactive Pressure Generating
SARA 302 Extremely Hazardous Substance	None present or none present in regulated quantities
SARA 304 Emergency Release Notification	Chemical Identity: Benzoic acid RQ: 5000 lbs.
SARA 311/312 Hazardous Chemical	Chemical Identity: Benzoic acid Threshold Planning Quantity: 500 lbs
SARA 313 (TRI Reporting)	None present or none present in regulated quantities
Clean water Act Sec 311 Hazardous Substances (40 CFR 117.3)	Reportable quantity: 5000 lbs
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR	None present or none present in regulated quantities

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	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

Packing Slip

Date	Invoice #
11/10/2020	208155

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.

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CANTON
FSSC 22000 & 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 INWATER 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 $KMnO_4$ 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 ASSAY (Calculated On Anhyd. basis)	99.0 - 100.5% 99.5 - 100.5%	99.80 % $C_7H_6O_2$ 99.85 % $C_7H_6O_2$
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