


**SECTION 1: PRODUCT IDENTIFICATION**

<b>PRODUCT NAME</b>	<b>BENZOIC ACID, USP</b>
<b>PRODUCT CODE</b>	<b>0615</b>
<b>SUPPLIER</b>	<b>MEDISCA Inc.</b> Tel.: 1.800.932.1039   Fax.: 1.855.850.5855 661 Route 3, Unit C, Plattsburgh, NY, 12901 6641 N. Belt Line Road, Suite 130, Irving, TX, 75063 <b>MEDISCA Pharmaceutique Inc.</b> Tel.: 1.800.665.6334   Fax.: 514.338.1693 4509 Rue Dobrin, St. Laurent, QC, H4R 2L8 21300 Gordon Way, Unit 153/158, Richmond, BC V6W 1M2 <b>MEDISCA Australia PTY LTD</b> Tel.: 1.300.786.392   Fax.: 61.2.9700.9047 Unit 7, Heritage Business Park 5-9 Ricketty Street, Mascot, NSW 2020
<b>EMERGENCY PHONE</b>	CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 NSW Poisons Information Centre: 131 126 National Chemical Emergency Centre 44(0)1235239670
<b>RECOMMENDED USES</b>	Manufacturing and Compounding
<b>RESTRICTIONS ON USE</b>	Not applicable

**SECTION 2: HAZARDS IDENTIFICATION**

<b>GHS CLASSIFICATION</b>	Acute Toxicity - Oral (Category 4) Acute Toxicity - Dermal (Category 4) Acute Toxicity - Inhalation (Category 4) Skin Irritation (Category 3) Eye Damage (Category 1) Specific Target Organ Toxicity - Single Exposure (Category 3) Acute Aquatic Toxicity (Category 3)
<b>PICTOGRAM</b>	
<b>SIGNAL WORD</b>	Danger
<b>HAZARD STATEMENT(S)</b>	Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled. Causes mild skin irritation. Causes serious eye damage. May cause respiratory irritation. Harmful to aquatic life.

**ADVERSE PHYSIOCHEMICAL, HUMAN  
HEALTH AND ENVIRONMENTAL  
EFFECTS  
PRECAUTIONARY STATEMENT(S)**

Not Applicable.

<b>Prevention</b>	Wash hands thoroughly after handling. Do not touch eyes. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing. Wear eye protection/face protection. Avoid breathing dust/fume/gas/mist/ vapors/spray. Use only outdoors or in a well-ventilated area. Avoid release to the environment.								
<b>Response</b>	IF SWALLOWED: Immediately call a poison center. Rinse mouth. IF ON SKIN (HAIR): Wash with plenty of water. Immediately call a poison center or medical professional. Take off immediately all contaminated clothing and wash it before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center or medical professional if you feel unwell. IF IN EYES: Immediately rinse with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical help; Immediately call a poison center or medical professional. IF SKIN IRRITATION OCCURS: Get medical help.								
<b>Storage</b>	Store in a well ventilated place. Keep container tightly closed. Store locked up.								
<b>Disposal</b>	Dispose of contents/container in accordance with local regulations								
<b>HMIS CLASSIFICATION</b>	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"><b>Health Hazard</b></td> <td style="text-align: center;">1</td> <td style="width: 50%;"><b>Flammability</b></td> <td style="text-align: center;">1</td> </tr> <tr> <td><b>Reactivity</b></td> <td style="text-align: center;">0</td> <td><b>Personal Protection</b></td> <td style="text-align: center;">J</td> </tr> </table>	<b>Health Hazard</b>	1	<b>Flammability</b>	1	<b>Reactivity</b>	0	<b>Personal Protection</b>	J
<b>Health Hazard</b>	1	<b>Flammability</b>	1						
<b>Reactivity</b>	0	<b>Personal Protection</b>	J						

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

<b>CHEMICAL NAME</b>	Benzoic acid
<b>BOTANICAL NAME</b>	Not applicable
<b>SYNONYM</b>	Benzene carboxylic acid
<b>CHEMICAL FORMULA</b>	C <sub>7</sub> H <sub>6</sub> O <sub>2</sub>
<b>CHEMICAL FAMILY</b>	Aromatic carboxylic acid
<b>CAS NUMBER</b>	65-85-0
<b>ALTERNATE CAS NUMBER</b>	Not applicable
<b>MOLECULAR WEIGHT</b>	122.12
<b>COMPOSITION</b>	

CHEMICAL NAME	CAS NUMBER	EC NUMBER	% BY WEIGHT
BENZOIC ACID	65-85-0	200-618-2	100

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as health hazards and hence require reporting in this section.

**SECTION 4: FIRST-AID MEASURES**

<b>IN CASE OF EYE CONTACT</b>	Flush with copious amounts of water for 15 minutes, separating eyelids with fingers. If irritation persists seek medical aid.
<b>IN CASE OF SKIN CONTACT</b>	Wash with soap & water for 15 minutes. If irritation persists seek medical aid.

IF SWALLOWED	Call a physician. Wash out mouth with water. Do not induce vomiting without medical advice.
IF INHALED	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
MEDICAL ATTENTION AND SPECIAL TREATMENT	Get emergency medical help.
SYMPTOMS CAUSED BY EXPOSURE	Not expected to present a significant hazard under anticipated conditions of normal use.

## SECTION 5: FIREFIGHTING MEASURES

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL	Not applicable
FLAMMABLE PROPERTIES	May be combustibile at high temperature
HAZARDOUS COMBUSTION PRODUCTS	Under fire conditions, hazardous fumes will be present.
SUITABLE & UNSUITABLE EXTINGUISHING MEDIA	<b>Small fire:</b> dry chemical, CO <sub>2</sub> or water spray. <b>Large fire:</b> dry chemical, CO <sub>2</sub> , alcohol resistant foam or water spray. Do not get water inside containers.
PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Wear respiratory protection. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
METHODS & MATERIAL FOR CONTAINMENT	On land, sweep or shovel into suitable containers. Minimize generation of dust.
CLEANUP PROCEDURE	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Shut off all sources of ignition. Evacuate the area. If necessary, employ water fog to disperse the vapors. Absorb the matter with compatible vermiculite or other absorbing material. Place in a suitable container and retain for disposal. Ventilate and clean the affected area. Do not flush into sewerage system or to drains.
REFERENCE TO OTHER SECTIONS	See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. See Section 13 for disposal information.

## SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	Do not inhale. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling. Store away from incompatible materials, in a well-ventilated area. Eliminate all sources of ignition. Store in accordance with local regulations. Do not store in unlabeled containers. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Use appropriate containment to avoid environmental contamination.
CONDITIONS FOR SAFE STORAGE	Store away from incompatible materials, in a well-ventilated area. Eliminate all sources of ignition. Store in accordance with local regulations. Do not store in unlabeled containers. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Use appropriate containment to avoid environmental contamination.
STORAGE CONDITIONS	Store in original container, tightly sealed, protected from direct sunlight and moisture.

**SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION**
**Chemical Name: BENZOIC ACID CAS #: 65-85-0**

	Country	Limit value-8 hours		Limit value-Short Term		IDLH	REL	Advisory	Notes
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>				
OSHA	USA	N/L	N/L	N/L	N/L	N/L	N/L	N/A	N/A
ACGIH	USA	N/L	N/L	N/L	N/L	N/L	N/L	N/A	N/A
NIOSH	USA	N/L	N/L	N/L	N/L	N/L	N/L	N/A	N/A
WEEL	USA	N/L	N/L	N/L	N/L	N/L	N/L	N/A	N/A
HSIS	Australia	N/L	N/L	N/L	N/L	N/L	N/L	N/A	N/A
HSE	UK	N/L	N/L	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	Germany (AGS)	0.1 (1) (2)	0.5 (1) (2)	0.4 (1) (2) (3)	2 (1) (2) (3)	N/L	N/L	N/A	(1) Inhalable fraction and vapour (2) Skin (3) 15 minutes average value
GESTIS	Germany (DFG)	0.1 (1) (2)	0.5 (1) (2) (3)	0.4 (1) (2) (4)	2 (1) (2) (3) (4)	N/L	N/L	N/A	(1) Inhalable fraction and vapour (2) Skin (3) Respirable fraction (4) 15 minutes average value
GESTIS	Latvia	N/L	5	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	Switzerland	0.2	1 (1)	0.8	4 (1) (3)	N/L	N/L	N/A	(1) Respirable fraction (3) 15 minutes average value
GESTIS	Switzerland	N/L	10 (2)	N/L	20 (2) (3)	N/L	N/L	N/A	(2) Inhalable fraction (3) 15 minutes average value

N/L = Not listed ; N/A = Not Available

PELs are 8-hour TWAs = Limit value - Eight hours

Ceiling or Short-Term TWA = STEL = Limit value - Short term

**EXPOSURE GUIDELINES**

 Consult local authorities for provincial or state exposure limits. Particulates not otherwise regulated, respirable fraction: 5 mg/m<sup>3</sup>
**PERSONAL PROTECTIVE EQUIPMENT**
**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by WHMIS or OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. **Skin:** Wear appropriate gloves to prevent skin exposure. **Clothing:** Wear appropriate protective clothing to minimize contact with skin.

**Respirators:** Follow WHMIS or OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. **Thermal Hazards:** For products representing a thermal hazard, appropriate Personal Protective Equipment should be used.

**SPECIFIC ENGINEERING CONTROLS**

Adequate mechanical ventilation. Fumehood, eye wash station, and safety shower.

**BIOLOGICAL MONITORING**

Not available

**CONTROL BANDING**

Not available

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**
**PHYSICAL STATE**

Solid

**DESCRIPTION**

White crystals, scales, or needles. Has a slight odor, usually suggesting benzaldehyde or benzoin.

<b>SOLUBILITY</b>	Slightly soluble in water; freely soluble in alcohol, in chloroform, and in ether.				
<b>ODOR</b>	Slight odor				
<b>FLAMMABILITY</b>	May be combustible at high temperature				
<b>AUTO-IGNITION TEMPERATURE</b>	570 °C, 1058 °F	<b>BOILING POINT</b>	249 °C, 480.2 °F	<b>DECOMPOSITION TEMPERATURE</b>	Not available
<b>EVAPORATION RATE</b>	Not available	<b>EXPLOSIVE LIMIT</b>	Not available	<b>FLASH POINT</b>	121.11 °C, 249.998 °F (Closed Cup)
<b>log P (OCTANOL-WATER)</b>	1.87	<b>LOWER FLAMMABLE/EXPLOSIVE LIMIT(S)</b>	1.4 %	<b>MELTING/FREEZING POINT</b>	(121 -124)°C, (249.8-255.2)°F
<b>PARTICLE CHARACTERISTICS</b>	Not available	<b>OXIDIZING PROPERTY</b>	Not available	<b>pH</b>	2.5 - 3.5 (20°C)
<b>RELATIVE DENSITY (WATER = 1)</b>	Not available	<b>SPECIFIC GRAVITY</b>	1.32 (24°C)	<b>UPPER FLAMMABLE/EXPLOSIVE LIMIT(S)</b>	8.2 %
<b>VAPOR DENSITY (AIR = 1)</b>	4.21	<b>VAPOR PRESSURE</b>	0.0000933 kPa (25°C)	<b>VISCOSITY</b>	Not available

The physical data presented above are typical values and should not be construed as a specification.

## SECTION 10: STABILITY AND REACTIVITY

<b>REACTIVITY</b>	Not established
<b>CHEMICAL STABILITY</b>	Stable under recommended storage conditions
<b>INCOMPATIBLE MATERIALS</b>	Strong oxidants, strong bases and strong reductants
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Toxic fumes of carbon monoxide, carbon dioxide, phenol and other gases may occur
<b>HAZARDOUS POLYMERIZATION</b>	Will not occur
<b>POSSIBILITY OF HAZARDOUS REACTION</b>	Not established
<b>CONDITIONS TO AVOID</b>	Moisture, sunlight and extreme temperatures

## SECTION 11: TOXICOLOGICAL INFORMATION

<b>ACUTE TOXICITY</b>	Oral: Rat: LD50: (mg/kg): 1700 Dermal: Rabbit LD50: (mg/kg): > 2000 Inhalation: Rat: LC50: (mg/L/4hr): 12.2
<b>SKIN CORROSION/IRRITATION</b>	Causes skin irritation Skin: Human: 22 mg Draize test; Result: Irritant; Test Duration: 3 days; Severity: Moderate. Skin: Rabbit: 500 mg Skin irritation; Result: Irritant; Test Duration: 24 hours; Severity: Mild.

**SERIOUS EYE DAMAGE/EYE IRRITATION**

Causes serious eye damage  
Eye: Rabbit: Eye irritation; Result: Irritant; Severity: Strong.

**RESPIRATORY SENSITIZATION**

Due to lack of data, the classification is not possible.

**SKIN SENSITIZATION**

Based on available data, the classification criteria are not met.  
Buehler test; Result: Non-sensitizing; Species: Guinea pig  
Ear swelling test; Result: Non-sensitizing; Species: Mouse  
Ear swelling test; Result: Sensitizing; Species: Guinea pig  
Local lymph node assay; Result: Non-sensitizing; Species: Mouse  
Maximization test; Result: Non-sensitizing; Species: Guinea pig

**GERM CELL MUTAGENICITY**

Based on available data, the classification criteria are not met.

**CARCINOGENICITY**

**OSHA** BENZOIC ACID is not listed.

**NTP** BENZOIC ACID is not listed.

**IARC** BENZOIC ACID is not evaluated.

**California Proposition 65** This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

**ADDITIONAL CARCINOGENICITY INFORMATION**

Based on available data, the classification criteria are not met.

**REPRODUCTIVE TOXICITY**

Based on available data, the classification criteria are not met.

**SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE**

Inhalation - May cause respiratory irritation. - Lungs

**SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE**

Due to lack of data the classification is not possible.

**ASPIRATION HAZARDS**

Based on available data, the classification criteria are not met.

**SIGNS AND SYMPTOMS OF EXPOSURE**
**ROUTES OF EXPOSURE:**

Oral, Dermal, Inhalation, Eye contact

**EARLY ONSET SYMPTOMS RELATED TO EXPOSURE:**

Not available

**DELAYED HEALTH EFFECT FROM EXPOSURE:**

Metabolic acidosis

Symptoms related to the physical, chemical, and toxicological characteristics:

Stomach pain. Nausea. Vomiting. Cough. Sore throat. Burning skin. Skin redness. Headache. General feeling of discomfort or illness. Weakness. Indigestion.

**POTENTIAL HEALTH EFFECTS**

**Inhalation** Harmful if inhaled. May cause respiratory tract irritation.

**Ingestion** Harmful if swallowed.

**Skin** May be harmful if absorbed through skin. Causes skin irritation

**Eyes** Causes serious eye irritation.

**SECTION 12: ECOLOGICAL INFORMATION**
**ECOTOXICITY**

EC50: 48 Hr: Crustacea: (mg/L): 100  
LC50: 96 Hr: Fish: Freshwater Fish: (mg/L): 44.6 - 47.3  
EC50: 72 Hr: Algae: (mg/L): 33.1

**PERSISTENCE AND DEGRADABILITY**

Biodegradation in water: 100%

**BIOACCUMULATIVE POTENTIAL**

Log P (octanol-water): 1.87  
Bioconcentration factor (BCF): 5.3  
Half life in soil: 20.16 h (20 °C)

<b>MOBILITY IN SOIL</b>	Slightly soluble in water (3.5 g/L, 25 °C)
<b>OTHER ADVERSE EFFECTS</b>	Not available
	This product is not intended to be released into the environment

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>DISPOSAL METHODS</b>	Dispose of in accordance with federal / local laws and regulations. Avoid release into the environment.
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## SECTION 14: TRANSPORT INFORMATION

<b>UN PROPER SHIPPING NAME</b>	Not dangerous good
<b>UN NUMBER</b>	Not applicable
<b>CLASS</b>	Not applicable
<b>PACKING GROUP</b>	Not applicable

<b>AUSTRALIA</b>	
<b>HAZCHEM</b>	Not Applicable

<b>EU</b>	
<b>TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE</b>	Not Listed

<b>ENVIRONMENTAL HAZARDS</b>	Not available
<b>SPECIAL SHIPPING INFORMATION</b>	Not applicable

## SECTION 15: REGULATORY INFORMATION

### UNITED STATES REGULATIONS

Chemical Name & CAS	CERCLA 40 CFR Part 302.4	SARA (Title III) 40 CFR Part 372.65	EPA 40 CFR Part 355		Pennsylvania	Right-to-know			California Prop 65
			Appendix A	Appendix B		New Jersey	Massachusetts		
BENZOIC ACID 65-85-0	X	N/L	N/L	N/L	X	X	X	X	N/L

N/L = Not Listed; X = Listed

### AUSTRALIAN REGULATIONS

Chemical Name & CAS	Poisons and Therapeutic Goods	Therapeutic Goods Act	Code of Practices - Illicit Drug Precursors	Poisons Standard	Work Health and Safety Regulations	Inventory of Industrial Chemicals
BENZOIC ACID 65-85-0	N/L	N/L	N/L	N/L	N/L	N/L

N/L = Not Listed

### EU REGULATIONS

Chemical Name & CAS	REACH ANNEX XVII	REACH ANNEX XIV	EC 1005/2009	EC 850/2004	EC 1107/2009	PIC - Prior Informed Consent Regulation	EC 2012/18
BENZOIC ACID 65-85-0	N/L	N/L	N/L	N/L	N/L	N/L	N/L

N/L = Not Listed; X = Listed

Any EU regulation not listed above is not applicable to this product.

SUBJECT TO INTERNATIONAL AGREEMENT                      Not applicable

## SECTION 16: OTHER INFORMATION

### REFERENCES

### ABBREVIATIONS AND ACRONYMS

Available upon request

**ACGIH** - American Conference of Governmental Industrial Hygienists; **AIHA WEEL** – American Industrial Hygiene Association Workplace Environment Exposure Levels; **CAESAR** – Computer Assisted Evaluation of industrial chemical Substances According to Regulations; **CAS** – Chemical Abstract Service; **CERCLA** – Comprehensive Environmental Response, Compensation, and Liability Act; **EC50** – Effective Concentration, 50%; **EPA** – Environmental Protection Agency; **GHS** – Global Harmonized System; **HMIS** – Hazardous Materials Information System; **HSE** – Health and Safety Executive; **HSIS** – Hazardous Substances Information System; **IARC** – International Agency for Research on Cancer; **IDLH** - Immediately Dangerous to Life or Health; **IRFMN** – Ready Biodegradability Model; **ISS** – Istituto Superiore Sanità; **LC50** – Lethal Concentration, 50%; **LD50** – Lethal Dose, 50%; **MSHA** - Mine Safety and Health Administration; **NIOSH** – National Institute for Occupational Safety and Health; **NTP** – National Toxicology Program; **OSHA PEL** – Occupational Safety & Health Administration Permissible Exposure Limits; **QSAR** – Quantitative Structure-activity relationship; **REL** - Recommended Exposure Limit; **SARA** – Superfund Amendments and Reauthorization Act; **STEL** – Short Term Exposure Limit; **TLV** – Threshold Limit Value; **TWA** – Time Weighted Average; **WHMIS** – Workplace Hazardous Materials Information System

### LAST REVISION

02/2023

### SUPERSEDES

10/2020

For a list of changes to the SDS since the last version, please communicate with MEDISCA at [www.medisca.com](http://www.medisca.com)

### DISCLAIMER

This document was created in accordance with OSHA, Safe Work Australia and WHMIS regulations. 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. MEDISCA® shall not be held liable for any damage resulting from handling or from contact with the above product. Recipients of the product must take responsibility for observing existing laws and regulations.

### SUPPLEMENTARY INFORMATION

For all country specific requirements not outlined on this Safety Data Sheet, please request Supplementary Page to this Safety Data Sheet.