

SoapGoods

Safety Data Sheet

Section 1: Identification

Product Identifier: Benzoic Acid

Synonyms: Benzenemethanoic acid; Benzenecarboxylic acid; Phenylcarboxylic acid; Phenylformic acid; Benzoate; Carboxybenzene; Benzeneformic acid; Dracrylic acid.

Chemical Formula: C₇H₆O₂

Product Type: Carboxylic acid

CAS Number: 65-85-0

EC Number: 200-618-2

Recommended uses & restrictions on use:

Identified Uses: Laboratory chemicals, manufacture of substances

Uses advised against: None Listed

Company: Soapgoods Inc

Address: 1625 Rock Mountain Blvd. Ste V Stone Mountain, GA 30083

Phone: (404) 924-9080

E-Mail: wecare@soapgoods.com

Emergency Phone: Chemtrec 1 800 424 9300

Section 2: Hazard(s) Identification

GHS Classification of Substance in accordance to Regulation (EC) No. 1272/2008 (CLP/GHS):

Serious eye damage (Category 1), H318

Skin irritation (Category 2)

Specific target organ toxicity - single exposure (Category 3), Respiratory system, H335

GHS Label Elements:



Signal Word: Danger

Hazard Statements:

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Precautionary Statements:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ eye protection/ face protection.

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/ physician.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

Other Hazards: None Listed

Section 3: Composition/Information on Ingredients

Substance: Benzoic Acid

Chemical identity: C₇H₆O₂

Common name/Synonyms: Benzenemethanoic acid; Benzenecarboxylic acid; Phenylcarboxylic acid; Phenylformic acid; Benzoate; Carboxybenzene; Benzeneformic acid; Draclyic acid.

Ingredient name	CAS number	EC number	%	EU Classification	GHS Classification
Benzoic Acid	65-85-0	200-618-2	99% min	n/a	Eye damage (category 1) Skin irritation (category 2) Specific target organ toxicity single exposure (category 3)

Impurities and Stabilizing Additives

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and require reporting in this section. The table above was completed using guidelines posted at <https://www.osha.gov/Publications/OSHA3514.html> at time of initial revision 1.0, and the sample SDS on page 84 of the www.OSHA.gov/dsg/hazcom/ghsguideoct05.pdf.

Occupational exposure limits, if available, are listed in section 8

Section 4: First-Aid Measures

Description of First Aid Measures

General Advice: DO NOT induce vomiting. Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

First-aid measures after inhalation: Remove person to fresh air. Seek medical attention. Give oxygen or artificial respiration as needed.

First-aid measures after skin contact: Wash skin with soap and copious amounts of water. Seek medical attention.

First-aid measures after eye contact: Thoroughly flush the eyes with large amounts of clean low-pressure water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek medical attention.

First-aid measures after ingestion: DO NOT induce vomiting. If vomiting does occur, have victim lean forward to prevent aspiration. Rinse mouth with water. Seek medical attention. Never give anything by mouth to an unconscious individual.

Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand. All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5: Fire-Fighting Measures

Extinguishing Media

Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Unsuitable extinguishing media: None listed.

Special Hazards Arising from the Substance or Mixture

Carbon oxides expected to be the primary hazardous combustion product.

Advice for Firefighters

Firefighting instructions: Exercise caution when fighting any chemical fire. Fine dust clouds may form explosive mixtures with air.

Protection during firefighting: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Keep unopened containers cool by spraying with water.

Other Information: Refer to Section 9 for flammability properties.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust. Protective equipment: Use appropriate personal protection equipment (PPE). Emergency procedures: Evacuate unnecessary personnel. Ventilate area.

Environmental Precautions: Do not let product enter drains.

Methods and Material for Containment and Cleanup

Without creating dust, sweep up and place material in a convenient waste disposal container. Keep in suitable, closed containers for disposal.

See Section 1 for emergency contact information.

See Section 8 for information on appropriate personal protective equipment.

See Section 13 for additional waste treatment information.

Section 7: Handling and Storage

Precautions for Safe Handling

Prevention of user exposure: Do not get on skin or in eyes. Avoid formation of dust and aerosols. Provide proper exhaust ventilation system in areas where dust forms. Take normal fire prevention measures.

Prevention of fire and explosion: Take normal fire prevention measures.

Precautions while moving the product: Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Hygiene Measures: Workers should wash hands and face before eating, drinking and smoking.

Conditions for Safe Storage, Including any Incompatibilities

Technical measures: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see section 10) and food and drink. Use appropriate containment to avoid environmental contamination.

Storage precautions: Keep container tightly closed in a dry and well-ventilated place.

Incompatible products: None Listed

Packaging materials: Recommended: Use original container.

Section 8: Exposure Controls/Personal Protection

Control Parameters Occupational Exposure Controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Occupational Exposure Limits: Contains no substances with occupational exposure limit values.

Appropriate Engineering Controls

Recommended monitoring procedures: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Individual Protection Measures

Personal Protective Equipment: Gloves, Goggles/Face shield, Protective Clothing, Boots, Apron, Respirator



Materials for Protective Clothing: Corrosion-proof clothing.

Eye Protection: Use chemical safety goggles and/or a full face shield where splashing is possible. Use equipment approved by appropriate government standards, such as NIOSH (US) or EN166 (EU) Maintain eye wash fountain and quick-drench facilities in work area.

Hand Protection: Handle with gloves (Nitrile rubber, 0.11mm min). Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Skin and Body Protection: Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

Respiratory Protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environmental Exposure Controls: Do not let product enter drains.

Other Information: When using, do not eat, drink or smoke.

Section 9: Physical and Chemical Properties

General Information

Physical State: Crystalline Powder

Color: White

Odor: None noted

Molecular Weight: 122.12 g/mol

Safety Data

pH: 2.5 - 3.5 at 20 °C

Initial boiling point and boiling range: 132 - 133 °C @ 13 hPa (10 mmHg)

Flash point: 121 °C closed cup

Evaporation rate: Negligible

Flammability (solid, gas): Flammable

Upper/lower flammability or explosive limits: No data available

Vapor pressure: 13 hPa (10 mmHg) at 132 °C

Vapor density: 4.21 (air = 1)

Relative density: 1.320 g/cm³ at 20 °C

Solubility(ies): Slightly soluble in water (2.9 g/l at 25 °C)

Partition coefficient: n-octanol/water: log Pow: 1.87

Auto-ignition temperature: 570 °C

Decomposition temperature: No data available

Viscosity: No data available

Melting point/freezing point: 122.4 °C

Section 10: Stability and Reactivity

Reactivity: No data available

Chemical stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: No data available

Conditions to Avoid: Heat, flames, sparks, dust generation.

Incompatible materials: Strong oxidizing agents, Strong bases, Strong reducing agents

Hazardous Decomposition Products: Carbon oxides are expected to be, under fire conditions, the primary hazardous decomposition products.

Section 11: Toxicological Information

Acute toxicity by oral route, inhalation and dermal route:

Product	Test	Species	Dose
Benzoic Acid	LD ₅₀ , Oral	Rat	2,000 mg/kg bw
	LC ₅₀ , Inhalation	Rat	4 h -> 12.2 mg/l
	LD ₅₀ , Dermal	Rabbit	10,000 mg/kg

Skin corrosion/irritation

Skin – rabbit

Result: Mild skin irritation - 24 h (Draize Test)

Serious eye damage/eye irritation

Eyes – rabbit

Result: Risk of serious damage to eyes. (Draize Test)

Respiratory or skin sensitization: No data available

CMR Effects

Mutagenicity: No data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: No data available

Developmental toxicity: No data available

Repeated dose toxicity - Oral route: No data available

Toxicokinetics: No data available

Chronic/Other Effects:

Eyes- Can causes eye burns or severe eye damage.

Ingestion- Harmful if ingested. Inhalation- Can be harmful if inhaled. Material is extremely damaging to upper respiratory tract, mucous membranes.

Skin- Can be harmful if absorbed through skin. Causes irritation to the skin.

Section 12: Ecological Information

Ecotoxicity (aquatic and terrestrial, where available)

Product	Toxicity to fish	Toxicity to algae/terrestrial plants
Benzoic Acid	LC ₅₀ / 96H: 180 mg/L (Gambusia affinis)	EC ₅₀ /14D: >10 mg/L (Scenedesmus quadricauda)

Persistence and Degradability: No data available.

Bioaccumulative Potential: Bioaccumulation: Golden orfe - 3 days; Bioconcentration factor (BCF) – 5.3

Mobility in the Soil: No data available.

Other Adverse Effects: No data available.

Section 13: Disposal Considerations

Methods of Disposal of Waste Residue

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Disposal of Contaminated Packaging Dispose of as unused product.

Section 14: Transport Information

UN number: 3077

UN proper shipping name: Environmentally hazardous substances, solid, n.o.s. (Benzoic acid)

Transport hazard class(es): 9

Packing group: III

Reportable Quantity

5,000 lbs

Marine pollutant: No

Poison Inhalation Hazard: No

IMDG: UN-Number: Not a dangerous good.

IATA: UN-Number: Not a dangerous good

Section 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

OSHA Hazards: Harmful by ingestion, Harmful by inhalation, Irritant

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right To Know Components

Benzoic acid

CAS-No. 65-85-0

Revision Date: 2007-03-01

Pennsylvania Right To Know Components

Benzoic acidCAS-No. 65-85-0

Revision Date: 2007-03-01

New Jersey Right To Know Components

Benzoic acid

CAS-No. 65-85-0

Revision Date: 2007-03-01

California Prop. 65 Components

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

Section 16: Other Information

Disclaimer

Soapgoods it's affiliates and any other officers, directors or employees, agents, third-party content providers, merchants, sponsors, licensors or the like (now referred to as Soapgoods) cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge, and experience currently available. You expressly agree that your use of this MSDS is at your sole risk. Soapgoods expressly disclaims all express or implied warranties or merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages.

Do not use the ingredient information and/or ingredient percentages in this MSDS as a product specification. For product specification information refer to a product specification sheet and/or a certificate of analysis.

All information appearing herein is based upon the data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, Soapgoods makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Soapgoods control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.

Review Date: December 2020