Safety Data Sheet
(Benzoic Acid)
DATE PREPARED: 11/11/2014
REVISION NUMBER: 11/11/2014

Section 1 – Company Information

Parchem - fine & specialty chemicals
415 Huguenot Street
New Rochelle, NY 10801
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parchem.com **info@parchem.com**

EMERGENCY RESPONSE NUMBER:
CHEMTEL - Parchem CCN# M1S0007152
Toll Free US & Canada: (800)255-3924
All other Origins: (813) 248-0585
Collect Calls Accepted

Section 2 – Product Identification/ Information on Ingredients

PRODUCT NAME	Benzoic Acid
CAS NUMBER	65-85-0
FORMULA	C7H6O2

Section 3 – Hazards Identification

Emergency Overview
OSHA Hazards
Highly toxic by inhalation, Harmful by ingestion., Irritant
HMIS Classification
Health Hazard: 4
Flammability: 1
Physical hazards: 0
NFPA Rating
Health Hazard: 4
Fire: 1
Reactivity Hazard: 0
Potential Health Effects
Inhalation May be fatal if inhaled. Causes respiratory tract irritation.
Skin May be harmful if absorbed through skin. Causes skin irritation.
Eyes Causes eye irritation.
Ingestion Harmful if swallowed.

Section 4 – First Aid Measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.
If inhaled
If breathed in, move person into fresh air. If not breathing give artificial respiration Consult a physician.
In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5 – Fire Fighting Measures

Flammable properties
Flash point 121 °C (250 °F) - closed cup
Ignition temperature 572 °C (1,062 °F)
Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for fire-fighters
Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 – Accidental Release Measures

Personal precautions
Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation.
Environmental precautions
Do not let product enter drains.
Methods for cleaning up
Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.

Section 7 – Handling & Storage

Handling
Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.
Storage
Keep container tightly closed in a dry and well-ventilated place.

Section 8 – Exposure Controls & Personal Protection

Contains no substances with occupational exposure limit values.
Personal protective equipment
Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a dust mask type N95 (US) or type P1 (EN 143) respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection
Handle with gloves.
Eye protection
Safety glasses
Skin and body protection
Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Hygiene measures
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9 – Physical & Chemical Properties

Appearance
Form crystalline
Color white
Safety data
pH no data available
Melting point 121 - 125 °C (250 - 257 °F)
Boiling point 249 °C (480 °F)
Flash point 121 °C (250 °F) - closed cup
Ignition temperature 572 °C (1,062 °F)
Lower explosion limit no data available
Upper explosion limit no data available
Vapour pressure 13 hPa (10 mmHg) at 132 °C (270 °F)
Density 1.320 g/cm3
Water solubility no data available
Relative vapour density 4.22 - (Air = 1.0)

Section 10 – Stability & Reactivity Data

Storage stability
Stable under recommended storage conditions.
Materials to avoid
Strong oxidizing agents, Strong bases, Strong reducing agents
Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section 11 – Toxicological Information

Acute toxicity
LD50 Oral - rat - 1,700 mg/kg
LC50 Inhalation - rat - 1 h - > 26 mg/m3

Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste):Eye:Lacrimation.
Behavioral:Somnolence
(general depressed activity).
LD50 Dermal - rabbit - > 10,000 mg/kg

Irritation and corrosion
Skin - rabbit - Mild skin irritation - 24 h
Eyes - rabbit - Mild eye irritation

Sensitisation
no data available

Chronic exposure
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.

Signs and Symptoms of Exposure
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughlyinvestigated.

Potential Health Effects
Inhalation May be fatal if inhaled. Causes respiratory tract irritation.
Skin May be harmful if absorbed through skin. Causes skin irritation.
Eyes Causes eye irritation.
Ingestion Harmful if swallowed.

Additional Information
RTECS: DG0875000

Section 12 – Ecological Information

Elimination information (persistence and degradability)
Bioaccumulation Leuciscus idus (Golden orfe) - 3 d
Bioconcentration factor (BCF): 5.3

Ecotoxicity effects
Toxicity to fish LC50 - Gambusia affinis (Mosquito fish) - 180 mg/l - 96 h
Toxicity to algae Growth inhibition EC50 - Scenedesmus quadricauda (Green algae) - > 10 mg/l - 14 d

Further information on ecology
no data available

Section 13 – Disposal Consideration

Dispose of product and contaminated packaging in accordance with all local, state and federal

environmental control regulations.

Section 14 – Transportation Data

DOT (US)
Not dangerous goods
IMDG
Not dangerous goods
IATA
Not dangerous goods

Section 15 – Regulatory Information

OSHA Hazards
Highly toxic by inhalation, Harmful by ingestion., Irritant
DSL Status
All components of this product are on the Canadian DSL list.
SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the
threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards
Acute Health Hazard
Massachusetts Right To Know Components
Benzoic acid
CAS-No.
65-85-0
Pennsylvania Right To Know Components
Benzoic acid
CAS-No.
65-85-0
New Jersey Right To Know Components
Benzoic acid
CAS-No.
65-85-0
California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth, or any other
reproductive defects.

Section 16 – Other Information

Disclaimer

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.