



Section 1. Product and Company Identification

Product Name Benzoin
CAS Number 119-53-9

Parchem - fine & specialty chemicals
415 Huguenot Street
New Rochelle, NY 10801

(914) 654-6800 (914) 654-6899

parchem.com info@parchem.com

EMERGENCY RESPONSE NUMBER
CHEMTEL
Toll Free US & Canada: 1 (800) 255-3924
All other Origins: 1 (813) 248-0585
Collect Calls Accepted

Section 2. Hazards Identification

Classification: Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Label Elements

The product contains no substances which, at their given concentration, are considered to be hazardous to health.

Appearance: White to pale yellow crystalline powder

Physical State: Solid

Odor: Agreeable, vanilla-like

Hazards Not Otherwise Classified (HNOC): None known

Section 3. Composition / Information on Ingredients

Common Name Benzoin
Formula $C_{14}H_{12}O_2$
CAS Number 119-53-9

COMPONENT	CAS NUMBER	CONCENTRATION
Benzoin	119-53-9	100%

Section 4. First Aid Measures

General Advice: Show this Safety Data Sheet to the doctor in attendance.

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Consult a physician.

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Consult a physician.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Consult a physician.



Ingestion: Do not induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Consult a physician.

Protection of First-aiders: Use personal protective equipment. Avoid contact with skin, eyes and clothing.

Most important Symptoms and Effects, both Acute and Delayed

Main Symptoms: No information available.

Indication of any Immediate Medical Attention and Special Treatment Needed

Notes to Physician: Treat symptomatically.

Section 5. Firefighting Measures

Flammable Properties: Not available.

Suitable Extinguishing Media: Water spray; Carbon dioxide (CO₂); Dry powder; Alcohol-resistant foam; Halon extinguisher

Unsuitable Extinguishing Media: Not available.

Hazardous Combustion Products: Thermal decomposition or combustion may produce hazardous gases and/or materials.

Explosion Data

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

Specific Hazards Arising from the Chemical: Keep product and empty container away from heat and sources of ignition.

Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6. Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures

Personal Precautions: Evacuate personnel to safe areas. Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes, and clothing. In case of insufficient ventilation, wear suitable respiratory equipment.

Other Information: Not applicable.

Environmental Precautions: Local authorities should be advised if significant spillages cannot be contained. Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. No special environmental precautions required.



Methods and Material for Containment and Cleaning Up

Methods for Containment: Not available.

Methods for Cleaning Up: Evacuate personnel to safe areas. Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Clean contaminated surface thoroughly.

Section 7. Handling and Storage

Precautions for Safe Handling

Handling: Use only in an area equipped with a safety shower. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation. Use only in well-ventilated areas. Do not breathe vapors/dust. Avoid contact with skin, eyes, and clothing. Avoid repeated exposure.

Conditions for Safe Storage, Including any Incompatibilities

Storage: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labelled containers. Keep away from heat. Protect from light.

Incompatible Materials: Strong oxidizing agents.

Section 8. Exposure Controls / Personal Protection

Exposure Guidelines: This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Chemical Name: Benzoin (119-53-9)

ACGIH TLV: -

OSHA PEL: -

NIOSH IDLH: -

Appropriate Engineering Controls

Engineering Controls: Ensure adequate ventilation, especially in confined areas.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: Tightly fitting safety goggles.

Skin and Body Protection: Wear protective gloves and protective clothing.

Respiratory Protection: In case of insufficient ventilation, wear suitable respiratory equipment.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

Section 9. Physical and Chemical Properties

Appearance: White to pale yellow crystalline powder

Physical State: Solid

Odor: Agreeable vanilla-like

Odor Threshold: No information available

pH: No data available
Melting/Freezing Point: 132 - 138°C
Boiling Point/Range: 194°C (at 12mmHg)
Flash Point: 170°C (closed cup)
Flammability Limits in Air: Not available
Vapor Pressure: No information available
Vapor Density: Not available
Specific Gravity: 1.31 g/cm³ (at 20°C)
Water Solubility: 300 mg/L
Solubility in other Solvents: No information available
Partition Coefficient: n-Octanol/Water: Not available
Autoignition Temp: 182°C (estimated)
Viscosity: Not available
Explosive Properties: No information available
Oxidizing Properties: No information available

Softening Point: No information available
Molecular Weight: 212.25
VOC Content: No information available
Density: No information available
Bulk Density: No information available

Section 10. Stability and Reactivity

Reactivity: Not applicable.
Chemical Stability: Stable under normal conditions
Conditions to Avoid: Heat, flames and sparks. Protect from light.
Incompatible Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide; Carbon dioxide (CO₂)
Possibility of Hazardous Reactions: None under normal processing

Section 11. Toxicological Information

Product Information: To the best of our knowledge, the complete toxicological properties have not been thoroughly investigated.
Chemical Name: Benzoin (19-53-9)
LD50 Oral: 10 g/kg (Rat)
LD50 Dermal: 8870 mg/kg (Rabbit)
LC50 Inhalation: -



Information on likely Routes of Exposure

Eyes: Contact with eyes may cause irritation. Redness. Avoid contact with eyes.

Skin: May be harmful by skin contact. Substance may cause slight skin irritation. Redness. Avoid contact with skin.

Inhalation: May be harmful by inhalation. May cause irritation of respiratory tract. May cause irritation of the mucous membranes. Coughing. Sore throat. Avoid breathing dust.

Ingestion: May be harmful if swallowed. May cause irritation of the digestive tract. Do not ingest.

Information on Toxicological Effects

Symptoms: No information available.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

Eye Damage/Irritation: No information available.

Skin Corrosion/Irritation: No information available.

Sensitization: No information available.

Reproductive Effects: No information available.

Mutagenic Effects: No information available.

Developmental Effects: No information available.

STOT - Single Exposure: No information available.

STOT - Repeated Exposure: No information available.

Chronic Toxicity: No information available.

Aspiration Hazard: No information available.

Numerical Measures of Toxicity - Product Information

Acute Toxicity: 100% of the mixture consists of ingredient(s) of unknown toxicity

The following values are calculated based on chapter 3.1 of the GHS document:

ATEmix (Oral): 10000 mg/kg

ATEmix (Dermal): 8870 mg/kg

Section 12. Ecological Information

Ecotoxicity: There is no known ecological information for this product. 100% of the mixture consists of component(s) of unknown hazards to the aquatic environment.

Persistence/Degradability: No information available.

Bioaccumulation/Accumulation: No information available.

Mobility in Soil: No information available.

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

DOT: Not regulated
TDG: Not regulated
MEX: Not regulated
ICAO: Not regulated
IATA: Not regulated
IMDG/IMO: Not regulated
RID: Not regulated
ADR: Not regulated
AND: Not regulated

Section 15. Regulatory Information

INTERNATIONAL INVENTORIES

U.S.A. (TSCA): Complies
Canada (DSL): Complies
EU (EINECS): Complies
EU (ELINCS): Does not comply
Japan (ENCS): Complies
China: Complies
Korea (KECL): Complies
Philippines (PICCS): Complies
Australia (AICS): Complies

Chemical Name Benzoin

U.S.A. (TSCA): Present
Canada (DSL): Present
EU (EINECS): Present
EU (ELINCS): -
Japan (ENCS): Present (9)-1315;(9)-1317
China: Present
Korea (KECL): Present
Philippines (PICCS): Present
Australia (AICS): Present

FEDERAL REGULATIONS

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.



SARA 311/312 Hazardous Categorization

Acute Health Hazard: No
Chronic Health Hazard: No
Fire Hazard: No
Sudden Release of Pressure Hazard: No
Reactive Hazard: No

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61): This product does not contain any HAPs.

CWA (Clean Water Act): This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA: This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

STATE REGULATIONS

California Proposition 65: This product does not contain any Proposition 65 chemicals.

State Right-to-Know: This product does not contain any State Right-to-Know chemicals.

U.S. EPA Label Information

EPA Pesticide Registration Number: Not applicable

CANADA

WHMIS Statement: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all the information required by the CPR.

NFPA

Health: 0

Flammability: 0

Instability: 0

Physical Hazard: 0

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.

REVISION DATE: 6/19/2015