

**SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****Benzoic Acid**

AEB-2004, AP668, AR208, AR208C, AR208V, AR209, AR209C, AR209V, AR502, AR1790, AR1790C, AR1790V, AR2134, AR2134C, AR2134V, AR3403, AR3414, AR3414M, AR3414V

This product is intended for laboratory use.

Alpha Resources Inc. 3090 Johnson Rd. Stevensville, MI 49127 (269)465-5559

CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word: DANGER

**SECTION 2— HAZARDS IDENTIFICATION**

**Hazard Classification:** Acute toxicity, oral (Category 4), eye damage/irritation (Category 1), specific target organ toxicity, single exposure; respiratory tract irritation (Category 3)

**Hazard Statements:** Causes serious eye irritation (H318), Harmful if swallowed (H302), May cause respiratory irritation (H335),

**Precautionary Statements:** Avoid breathing dust (P261), wash hands thoroughly after handling (P264), don't eat, drink, or smoke while using this product (P270), use only outdoors or in a well-ventilated area (P271), wear eye protection/face protection (P280), if swallowed or inhaled: call a poison center or doctor if you feel unwell (P301+P304+P312), if inhaled: remove person to fresh air and keep comfortable for breathing (P304+P340), if in eyes: rinse cautiously with water for several minutes, remove contact lenses if present and easy to do, continue rinsing (P305+P351+P338), rinse mouth (P330), store locked up (P405), and dispose of contents in accordance with all applicable federal, state and local regulations (P501).

**SECTION 3— COMPOSITION, INFORMATION ON INGREDIENTS**

Component	CAS #	OSHA PEL(mg/m <sup>3</sup> )	ACGIH TLV (mg/m <sup>3</sup> )	Common %
Benzoic Acid (Benzene Carboxylic Acid)	65-85-0	15(total) / 5(respirable)	N/A	100

**SECTION 4— FIRST AID MEASURES**

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340). If breathing is difficult oxygen may be given if qualified. If not breathing give artificial respiration. Seek medical attention.

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338).

**If eye irritation persists:** Get medical advice or attention (P337+P313).

**If on skin:** Wash with plenty of water and soap. If irritation persists seek medical attention.

**If swallowed:** Rinse mouth. Call a physician if you feel unwell.

**Symptoms:** Might cause eye damage, redness of eyes, and pain. Also, could cause irritation of the respiratory tract leading to sore throat and coughing.

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## SECTION 5 — FIRE FIGHTING MEASURES

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**Fire and Explosion Hazard:** Slight fire hazard; dust/air mixtures could explode or be ignited.

**Extinguishing Media:** A dry chemical, carbon dioxide, water, or regular foam.

NFPA Code Health-2, Fire-1, Reactivity-0

**Firefighting Instructions:** Wear self-contained breathing apparatus and full protective clothing. Concentrated dust is an explosion hazard. Water spray may be used to cool the fire.

**Special Hazards Arising:** N/A

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## SECTION 6 — ACCIDENTAL RELEASE MEASURES

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When spill occurs, remove sources of ignition. Using the required personal protective equipment, sweep up material and place into sealed vessel. Report spills as per regulatory requirements. Keep clear of drains and water ways.

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## SECTION 7 — HANDLING AND STORAGE

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**Handling:** Wash hands before eating, drinking, smoking or using the restroom. Promptly remove contaminated clothing and wash thoroughly before reuse. Use in a well ventilated hood (P271).

**Storage:** This product should be stored in a cool, dry place and kept sealed (P233) when not in use.

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## SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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**Exposure Limits Data:** OSHA (PEL): 15mg/m<sup>3</sup> TWA (total)  
5mg/m<sup>3</sup> TWA (respirable)

**Engineering Controls:** Proper ventilation should be used when appropriate (P271). An approved NIOSH respirator should be worn if exposure limits are excessive.

**Personal Protection:** Wear protective gloves, protective clothing, and eye protection (P280). Chemical resistant clothing and gloves are recommended. Splash resistant safety goggles and emergency eyewash stations are recommended.

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## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

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White crystalline powder.	Odor similar to maple syrup	Specific gravity: 1.27
Flammability: N/A	Flash Point 121°C	Auto-Ignition Temperature: 570°C
Explosive limit, LEL: >3g/ft	Explosive limit, UEL 35g/ft	Thermal decomposition: N/A
Partition coefficient (n-octanol/water):	KOW: 3630.78      KOC: 2432.20	
Melting Point: 122°C	Boiling Point: 249 °C	Vapor Density: 4.21
Refractive index: 1.5	Soluble: (water) 2.9% @ 20°C	pH: 2.8 @ 25°C

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## SECTION 10 — STABILITY AND REACTIVITY

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Stable in laboratory conditions.

Avoid contact with heat, flames, metals, bases, and oxidizing materials.

Indefinite shelf life when stored in a sealed container at applicable temperatures.

Hazardous decomposition products when fire conditions present may release toxic oxides of Carbon.

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## SECTION 11 — TOXICOLOGICAL INFORMATION

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### Potential health effects:

**Inhalation:** may cause respiratory tract irritation, sore throat, and cough.

**Skin contact:** may cause irritation and redness. Repeat exposure may result in dermatitis.

**Eye contact:** acute: possible damage, redness and pain. Chronic: conjunctivitis

**Ingestion:** Large amounts could cause sore throat, nausea, vomiting, gastric pain, and other possible allergic reactions.

### Data:

**Acute:** ORL-RAT LD<sub>50</sub>: 1700mg/kg      IHL-RAT LC<sub>50</sub>: >26mg/m<sup>3</sup>/1H      DERMAL-RBT LD<sub>50</sub>: > 5000mg/kg

**Skin corrosion/irritation:** Not classified      Human, skin: 0.76% mild      Human, skin: 22mg per 3day intermittent moderate

**Serious eye damage/eye irritation:** Category 1      Rabbit, eyes: sever

Not listed as carcinogen by IARC, NTP, and OSHA.

**Specific target organ toxicity, single exposure: Category 3:** respiratory irritation.

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## SECTION 12 — ECOLOGICAL INFORMATION

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**Ecotoxicity Data:** Fish Toxicity: Mosquitofish (*Gambusia affinis*) LC<sub>50</sub>: 180mg/L (96h)

Algae: Cyanobacteria (plankton) (*Anabaena inaequalis*) EC<sub>50</sub>: 5mg/L (3h)

Invertebrate: Water flea (*Daphnia magna*) EC<sub>50</sub>: 300mg/L (24h), 860mg/L static (48h)

**Bio-accumulative Potential:** Low, BCF of 10 for algae and 5 for fish.

**Mobility in Soil:** Moderate mobility

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## SECTION 13 — DISPOSAL CONSIDERATIONS

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Waste disposal should be done in compliance with existing federal, state and local environmental regulations.

Do not contaminate any streams, lakes, or ponds.

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## SECTION 14 — TRANSPORT INFORMATION

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DOT: These goods are not regulated, not hazardous, and not restricted for transport by DOT in quantities less than 5000lbs.

IATA: These goods are not regulated, not hazardous, and not restricted for transport by IATA.

IMDG: These goods are not regulated, not hazardous, and not restricted for transport by IMDG.

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## SECTION 15 — REGULATORY INFORMATION

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U.S. Federal Regulations

TSCA Status: On Toxic Substance Control Act Inventory List.

CERCLA Reportable Quantity: Benzoic Acid 5000lbs

RCRA Status: Not regulated

SARA 313 Title III:

Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: acute Health

Section 313 Toxic Chemicals: None

Canadian Regulations

WHMIS: D2A

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**SECTION 16 — OTHER INFORMATION**

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The data and information as stated was furnished by the manufacturer/vendor/supplier of this product. Alpha Resources Inc. cannot warrant the accuracy of this information and shall not be responsible or liable for any damage that may result, should any of the information be erroneous.

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