

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND CONTACT INFORMATION

Product Name: Benzoic Acid

AEB-2004, AP 668, AR 208, AR 208C, AR 208V, AR 502, AR1790C, AR2134, AR2134C, AR2134V, AR3403, AR3414, AR3414M, AR3414V

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

| CAS NO. | %W  | CHEMICAL NAMES | OSHA<br>PEL (mg/m3)    | ACGIH<br>TLV (mg/m3) |
|---------|-----|----------------|------------------------|----------------------|
| 65-85-0 | 100 | Benzoic Acid   | 10 (Total)<br>5 (resp) | Not Given            |

## 3. HAZARD IDENTIFICATION

### POTENTIAL HEALTH EFFECTS

EYES: Irritation.

SKIN: May cause temporary skin irritation.

INHALATION: May irritate nose and throat.

INGESTION: Maybe harmful.

CHRONIC OVEREXPOSURE: Prolonged contact with skin may cause irritation.

ACUTE OVEREXPOSURE: See above

MEDICAL CONDITIONS AGGRAVATED: None known.

CARCINOGENICITY: None.

## 4. FIRST AID MEASURES

EYES: Flush with large amounts of water. Get medical attention if irritation persists.

INHALATION: Removed from exposure to fresh air immediately. Give oxygen or artificial respiration as needed. Get emergency medical attention.

SKIN: Flush skin with plenty of water. Remove and wash contaminated clothing before wearing again.

INGESTION: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

## 5. FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES

Non-flammable

Flash Point: 250 F (121.1 C) Method Used: TCC

Flammable Limits: (% by Volume in Air): Lower: N/A Upper: N/A

AUTO-IGNITION TEMPERATURE: N/A

HAZARDOUS COMBUSTION PRODUCTS: Carbon Monoxide, other toxic vapors.

EXTINGUISHING MEDIA: Use dry chemical, foam or carbon dioxide to extinguish fires. Water spray may be used to cool the fire.

FIREFIGHTING INSTRUCTIONS: Wear self-contained positive pressure breathing apparatus and full protective clothing. Concentrated dust is an explosion hazard. Prevent buildup of dust on floors, walls and equipment.

## **6. ACCIDENTAL RELEASE MEASURES**

SMALL/LARGE SPILL: Remove sources of ignition. Sweep up and remove to disposal containers. If molten, allow to solidify before removing. Report spills as per regulatory requirements.

## **7. HANDLING AND STORAGE**

HANDLING: Wash hands before eating, drinking, smoking or using toilet facilities. Promptly remove contaminated clothing and wash thoroughly before reuse. Isolate, vent, drain, wash and purge systems or equipment before maintenance or repair. Remove all ignition sources. Check atmosphere for explosiveness and oxygen deficiencies. Use adequate personal protective equipment. Comply with regulations governing confined space entry.

STORAGE: Keep container closed.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

ENGINEERING CONTROLS: Adequate local exhaust ventilation. .

RESPIRATORY PROTECTION: If dusts are created, use a NIOSH approved dust respirator.

SKIN AND HAND PROTECTION: Protective gloves to minimize skin contact.

EYE AND FACE PROTECTION: Chemical goggles.

OTHER PROTECTIVE EQUIPMENT: Provide a safety shower equipped with an eyewash fountain in the immediate vicinity of any potential exposure. Due to its high melting point, the handling of molten benzoic acid can result in thermal burns. The use of full protective clothing, including face shield, goggles, helmet, jacket, pants and boots is highly recommended

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE: white granules, powder or discs

BOILING POINT: 480 F (249 C)

FREEZE-MELT POINT: 252 F (122 C)

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

SOLUBILITY IN WATER: slight (0.3%)

SPECIFIC GRAVITY: 1.32 at 75 F (solid) or 1.06 at 302 F (molten)

pH: N/A

ODOR: None

PERCENT VOLATILES: 0

EVAPORATION RATE: N/A

## **10. STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable.

INCOMPATIBILITY: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide and other toxic vapors.

HAZARDOUS POLYMERIZATION: None.

## **11. TOXICOLOGICAL INFORMATION**

Oral LD<sub>50</sub> for rats: 2530 mg/kg

## **12. ECOLOGICAL INFORMATION**

None available.

## **13. DISPOSAL CONSIDERATION**

Dispose of in accordance with federal, state and local regulations. Do not contaminate any streams, lakes or ponds.

## **14. TRANSPORTATION INFORMATION**

USA DOT: Not regulated

## **15. REGULATORY INFORMATION**

### **US FEDERAL REGULATIONS**

TSCA STATUS: On toxic Substance Control Inventory

CERCLA Reportable Quantity: Benzoic Acid, 5000 pounds

RCRA Status: Not regulated

SARA TITLE III:

Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: Chronic

Section 313 Toxic Chemicals: None

### **CANADAIN REGULATIONS**

WHMIS: D2B

## **16. OTHER INFORMATION**

Hazard Index: (0-4, 4= Extreme)

Health: 1 Fire: 1 Reactivity: 0

### **SUPPLEMENTAL INFORMATION**

The data and information as stated was furnished by the manufacturer/vendor &/or 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.

Date Prepared: January 11, 2013

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