

Material Safety Data Sheet

SECTION I

PRODUCT NAME OR NUMBER (AS IT APPEARS ON LABEL):

Benzoic Acid
AEB-2004

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MANUFACTURER'S DUNNS NO. 08 383 8045

HAZARDOUS MATERIAL DESCRIPTION, PROPER SHIPPING NAME, HAZARD CLASSES, HAZARD ID NO:

Benzoic Acid, Benzenecarboxylic acid, benzeneformic acid, phenyl carboxylic acid, phenylformic acid, dracylic acid.

CHEMICAL FAMILY: Carboxylic acid (aromatic)

FORMULA: C₆H₅COOH

SECTION II - HAZARDOUS INGREDIENTS

CAS REGISTRY NO.	%W	%V	CHEMICAL NAMES	LISTED AS A CARCINOGEN IN NTP, IARC OR OSHA 1910(Z) SPECIFY
65-85-0	100	100	Benzoic acid	no

SECTION III - PHYSICAL DATA

Boiling point: 249C (480F) SPECIFIC GRAVITY = 1.32
(WATER = 1)

% Volatile by volume @21C (70F): 0

Vapor pressure (mm Hg): 1 @ 96C (205F)

Percent solid(s) by weight % = 100

Vapor density (air = 1): 4.2 pH: 2.8 (saturated sol'n @25C)

Evaporation rate: No information found

Solubility in water: 0.29g/100ml water, sinks in water.

Melting point: 122C (252F)

Appearance: White, needle like crystals

Odor: Faint pleasant odor

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point: 121C (250F)

Autoignition Temperature: 570C (1058F)

Extinguishing media: Water spray, dry chemical, alcohol foam, or carbon dioxide.

Special fire fighting procedures: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Unusual fire and explosion hazards: Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Minimum explosible concentration 0.011 g/l. Vapor may explode if ignited in an enclosed area. Vapor from molten benzoic acid may form explosive mixture with air.

SECTION V HEALTH HAZARD DATA

Threshold Limit Value: No information available

Permissible exposure limit: No information available

Effects of overexposure: Irritation of exposed tissue.

Primary routes of entry: Inhalation, Skin Contact, Eye contact, ingestion

Emergency and first aid procedures:

Inhalation - Remove to fresh air. Get medical attention for any breathing difficulty.

Ingestion - Give several glasses of water to drink to dilute. Get medical attention immediately. Do not induce vomiting.

Skin contact - Wash exposed area with soap and water. Get medical advice if irritation develops.

Eye contact - Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

SECTION VI REACTIVITY DATA

Stability: Stable

Incompatibility (material to avoid): Oxidizing agents

Hazardous decomposition products: No information available

Hazardous polymerizations: Will not occur

Conditions to avoid: Heat, flame, ignition sources, dusting and incompatibles

SECTION VII SPILL OR LEAK PROCEDURE

Steps to be taken in case material is released or spilled: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Neutralize the residue with a dilute solution of sodium carbonate. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Waste disposal: Recycle to process, if possible. Consult your local or regional authorities for disposal options. Industrial landfill or incineration are appropriate disposal methods. Not a listed or characteristic hazardous waste in the USA as supplied.

SECTION VIII SPECIAL PROTECTION

Eye protection: Goggles

Skin protection: Lab coat or equivalent, gloves

Respiratory protection: Wear appropriate respirator when ventilation is inadequate.

SECTION IX - SPECIAL PRECAUTIONS

Precautions to be taken in handling and storing and/or other precautions:

None

SUPPLEMENTAL INFORMATION

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