



Material Safety Data Sheet

Catalog Number: 211070
Revision date: 26-Apr-2006

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY INFORMATION

Catalog Number: 211070

Product name: BENZENEARSONIC ACID

Supplier:

MP Biomedicals, LLC
29525 Fountain Parkway
Solon, OH 44139
tel: 440-337-1200

Emergency telephone number: CHEMTREC: 1-800-424-9300 (1-703-527-3887)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Weight %	ACGIH Exposure Limits:	OSHA Exposure Limits:
BENZENEARSONIC ACID	98-05-5	90 - 100%	0.01 mg/m ³ TWA	0.5 mg/m ³ TWA

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Toxic: danger of very serious irreversible effects if swallowed. May also have serious irreversible effects through skin contact or inhalation.

Category of Danger:

Toxic , Carc. cat. 1

Principle routes of exposure: Skin

Inhalation: Harmful: possible risk of irreversible effects through inhalation.

Ingestion: Toxic: danger of very serious irreversible effects if swallowed.

Skin contact: Harmful: danger of serious damage to health by prolonged skin contact.

Eye contact: Risk of serious damage to eyes

Statements of hazard Toxic if swallowed

Statement of Spill or Leak - ANSI Label Eliminate all ignition sources. Absorb and/or contain spill with inert materials (e.g., sand, vermiculite). Then place in appropriate container. For large spills, use water spray to disperse vapors, flush spill area. Prevent runoff from entering waterways or sewers.

Statement of First Aid If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call a physician.

Precautions - ANSI Label Do not taste or swallow. Wash thoroughly after handling. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Do not breathe vapors or spray mist

4. FIRST AID MEASURES

General advice: In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Inhalation: Move to fresh air. Call a physician immediately.

Skin contact: Rinse immediately with plenty of water for at least 15 minutes

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician Drink 1 or 2 glasses of water. Induce vomiting, but only if victim is fully conscious. Induce vomiting if person is conscious.

Eye contact: Flush eye(s) immediately with plenty of water. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Protection of first-aiders: No information available

Medical conditions aggravated by exposure: None known

5. FIRE FIGHTING MEASURES

Suitable extinguishing media:

Use dry chemical, CO₂, water spray or "alcohol" foam

Specific hazards:

Burning produces irritant fumes.

Unusual hazards:

None known

Special protective equipment for firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Specific methods:

Water mist may be used to cool closed containers.

Flash point:

Not determined

Autoignition temperature:

Not determined

NFPA rating:

NFPA Health:	3
NFPA Flammability:	0
NFPA Reactivity:	0

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Use personal protective equipment.

Environmental precautions:

Prevent product from entering drains.

Methods for cleaning up:

Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Storage:

ROOM TEMPERATURE

Handling:

Use only in area provided with appropriate exhaust ventilation.

Safe handling advice:

Wear personal protective equipment. Remove and wash contaminated clothing before reuse.

Technical measures/storage conditions:

Keep containers tightly closed in a cool, well-ventilated place. Keep container tightly closed in a dry and well-ventilated place.

Incompatible products:

Oxidising and spontaneously flammable products

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection: Breathing apparatus only if aerosol or dust is formed.

Hand protection: Pvc or other plastic material gloves

Skin and body protection: Impervious clothing Long sleeved clothing

Eye protection: Safety glasses with side-shields

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



9. PHYSICAL AND CHEMICAL PROPERTIES

Formula:	C ₆ H ₇ AsO ₃
Molecular weight:	202.0411
Melting point/range:	No data available at this time.
Boiling point/range:	No Data available at this time.
Density:	No data available
Vapor pressure:	No data available
Evaporation rate:	No data available
Vapor density:	No data available
Solubility (in water):	No data available
Flash point:	Not determined
Autoignition temperature:	Not determined

10. STABILITY AND REACTIVITY

Stability:	Stable under recommended storage conditions.
Polymerization:	None under normal processing.
Hazardous decomposition products:	Arsenic oxides
Materials to avoid:	-
	Incompatible with strong acids, strong oxidizers, peroxides, bromine pentafluoride, bromine trifluoride, cesium acetylene carbide, chromium trioxide, nitrogen trichloride, silver nitrate.
Conditions to avoid:	Exposure to air or moisture over prolonged periods.

11. TOXICOLOGICAL INFORMATION

Product Information

Acute toxicity

Components
BENZENEARSONIC ACID

RTECS Number:
CY3150000

Selected LD50s and LC50s
Oral LD50 Rat : 763 mg/kg
Oral LD50 Mouse : 145 mg/kg

Chronic toxicity:	Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness.
Local effects:	Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Specific effects:	May include moderate to severe erythema (redness) and moderate edema (raised skin), nausea, vomiting, headache.
Primary irritation:	No data is available on the product itself.
Carcinogenic effects:	A known carcinogen.
Mutagenic effects:	No data is available on the product itself.
Reproductive toxicity:	No data is available on the product itself.

Components
BENZENEARSONIC ACID

NIOSH - Health Effects
Lung and lymphatic cancer, dermatitis

NIOSH - Target Organs
liver, kidneys, skin, lungs, lymphatic system,
lung and lymphatic cancer

12. ECOLOGICAL INFORMATION

Mobility:	No data available
Bioaccumulation:	No data available
Ecotoxicity effects:	No data available
Aquatic toxicity:	May cause long-term adverse effects in the aquatic environment.

Components BENZENEARSONIC ACID	U.S. DOT - Appendix B - Marine Pollutan Not Listed	U.S. DOT - Appendix B - Severe Marine Pollutants Not Listed	United Kingdom - The Red List: Not Listed
Components BENZENEARSONIC ACID	Germany VCI (WGK) 3	World Health Organization (WHO) - Drinking Water 0.01 mg/L (Provisional)	Ecotoxicity - Fish Species Data Not Listed
Components BENZENEARSONIC ACID	Ecotoxicity - Freshwater Algae Data Not Listed	Ecotoxicity - Microtox Data Not Listed	Ecotoxicity - Water Flea Data Not Listed
Components BENZENEARSONIC ACID	EPA - ATSDR Priority List Rank (of 275): 001	EPA - HPV Challenge Program Chemical List Not Listed	California - Priority Toxic Pollutants Maximum concentration = 340 ug/L; continuous concentration = 150 ug/L
Components BENZENEARSONIC ACID	California - Priority Toxic Pollutants Not Listed	California - Priority Toxic Pollutants Maximum concentration = 69 ug/L; continuous concentration = 36 ug/L	

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products:

Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.

Contaminated packaging:

Do not re-use empty containers

14. TRANSPORT INFORMATION

UN/Id No: 1557

DOT:

Proper shipping name: Arsenic compound, solid, n.o.s.
IATA Hazard Label(s): Toxic
Hazard Class 6.1 - Toxic substances - oral
Packing group: II

Emergency Response Guide Number (ERG): 152

Components
BENZENEARSONIC ACID **U.S. DOT - Appendix A Table 1 - Reportable Quantities**
RQ = 1 pound (0.454 kg); The RQ for these hazardous substances is limited to those pieces of the metal having a diameter smaller than 100 micrometers (0.004 inches).

TDG (Canada):

WHMIS hazard class:

D2a very toxic materials



:

IMDG/IMO

Proper shipping name:

Arsenic compound, solid, n.o.s.

IMDG - Hazard Classifications
 IMDG - Potential Marine Pollutants
 IMDG - Regulated Substances

IMDG class or division = 6.1
 UN1556 (liquid); UN1557 (solid)
 UN1558

Components

	U.S. DOT - Appendix B - Marine Pollutant	U.S. DOT - Appendix B - Severe Marine Pollutants
BENZENEARSONIC ACID	Not Listed	Not Listed

IMO-labels:

15. REGULATORY INFORMATION

International Inventories

Components

BENZENEARSONIC ACID

Inventory - United States TSCA - Sect. 8(b)

Present

Canada DSL Inventory List -

Not Listed

Australia (AICS):

Present

EU EINECS List -

231-148-6; As

Korean KECL:

KE-01933

Philippines PICCS:

Present

U.S. regulations:

Components

BENZENEARSONIC ACID

California Proposition 65 -	Massachusetts Right to Know List: carcinogen; extraordinarily hazardous	New Jersey Right to Know List: sn 0152	Pennsylvania Right to Know List: environmental hazard; special hazardous substance (any compound of this substance is also an environmental hazard)
Not Listed			

Components

BENZENEARSONIC ACID

Florida substance List:	Rhode Island Right to Know List: Toxic, Carcinogen	Illinois - Toxic Air Contaminants A Carcinogen, Present on Great Waters or Great Lakes list	Connecticut - Hazardous Air Pollutants 0.05 ug/m ³ HLV
[present]			

Components

BENZENEARSONIC ACID

SARA 313 Emission reporting/Toxic Release of Chemicals form R reporting required for 0.1% de minimis concentration	CERCLA/SARA - Section 302 Extremely Haz TPQ = 10/10,000 pounds; None RQ = 10 pounds	NTP:	IARC: Supplement 7, 1987; Monograph 23, 1980; (This evaluation applies to the group of compounds as a whole and not necessarily to all individual compounds within the group)

SARA 313 Notification:

The above is your notification as to the SARA 313 listing for this product(s) pursuant to Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

If you are unsure if you are subject to the reporting requirements of Section 313, or need more information, please call the EPA Emergency Planning and Community Right-To-Know Information Hotline: (800) 535-0202 or (202) 479-2499 (in Washington, DC or Alaska).

State Notification:

The above information is your notice as to the Right-to-Know listings of the stated product(s). Individual states will list chemicals for a variety of reasons including, but not limited to, the compounds toxicity; carcinogenic, tumorigenic and/or reproductive hazards; and the compounds environmental impact if accidentally released.

16. OTHER INFORMATION

Prepared by: Health & Safety

Disclaimer: The information and recommendations contained herein are based upon tests believed to be reliable. However, MP Biomedicals does not guarantee the accuracy or completeness NOR SHALL ANY OF THIS INFORMATION CONSTITUTE A WARRANTY, WHETHER EXPRESSED OR IMPLIED, AS TO THE SAFETY OF THE GOODS, THE MERCHANTABILITY OF THE GOODS, OR THE FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE. Adjustment to conform to actual conditions of usage maybe required. MP Biomedicals assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied.

End of Safety Data Sheet