

SAFETY DATA SHEET

Preparation Date: 11/27/2018 Revision Date: 11/27/2018 Revision Number: E1

1. IDENTIFICATION

Product identifier

Product code: A1189

Product Name: Amiodarone Hydrochloride

Other means of identification

Synonyms: 2-Butyl-3-benzofuranyl 4-(2-(diethylamino)ethoxy)-3,5-diiodophenyl ketone hydrochloride

CAS #: 19774-82-4

RTECS # OB1361000

CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: Laboratory chemicals. Research and Development.

Uses advised against No information available

Supplier: Spectrum Chemical Mfg. Corp

14422 South San Pedro St.

Gardena, CA 90248

(310) 516-8000

Order Online At: <https://www.spectrumchemical.com>

Emergency telephone number Chemtrec 1-800-424-9300

Contact Person: Tom Tyner (West Coast)

Contact Person: Ibad Tirmiz (East Coast)

2. HAZARDS IDENTIFICATION

Emergency Overview

Signal word(s):

Pictogram(s):

Warning



Hazard statements:

Suspected of damaging fertility or the unborn child

May cause damage to organs through prolonged or repeated exposure

Precautionary statements:

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wear protective gloves, protective clothing, eye protection, face protection

Do not breathe dust

If exposed or concerned: Get medical attention.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name: Amiodarone Hydrochloride, 100%

CAS number: 19774-82-4

EC number: 243-293-2

Formula: $C_{25}H_{29}I_2NO_3 \cdot H_2O$

Ingredients of known acute toxicity: Amiodarone Hydrochloride

4. FIRST AID MEASURES

After inhalation:

Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

After skin contact:

Wash off with soap and plenty of water. Consult a physician.

After eye contact:

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

After ingestion:

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Information for doctor:

Show this safety data sheet to the doctor in attendance

Symptoms/effects; acute and delayed:

None not described in this section, Section 3 or Section 11

5. FIRE-FIGHTING MEASURES

Suitable extinguishing agents:

Water spray, alcohol-resistant foam, dry chemical or carbon dioxide

Unsuitable extinguishing agents:

No information available

Special hazards caused by the material, its products of combustion or resulting gases:

No information available

Special fire fighting procedures:

Wear self-contained breathing apparatus and fully protective fire fighting equipment/clothing

Unusual fire and explosion hazard:

No information available

6. ACCIDENTAL RELEASE MEASURES

Person-related safety precautions:

Wear respiratory protection. Avoid dust formation. Ensure adequate ventilation.

Measures for environmental protection: Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Measures for cleaning/collecting:

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for proper disposal.

Additional information:

See Section 7 for information on safe handling

See Section 8 for information on personal protective equipment

See Section 13 for information on disposal

See Section 15 for regulatory information

7. HANDLING AND STORAGE

Information for safe handling: Avoid contact with skin and eyes. Avoid dust formation. Provide appropriate exhaust ventilation.

Information about protection against explosions and fires: No data available

Storage requirements to be met by storerooms and containers: Refrigerate. Keep container tightly closed in a dry and well-ventilated place

Incompatibility (avoid contact with): Oxidizing agents.

Further information about storage conditions: Protect from light - causes decomposition

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation requirements: Local exhaust, chemical fume hood

Components with exposure limits that require monitoring: No information available

Additional information: No additional data available

General protective and hygienic measures: The usual precautionary measures for handling chemicals should be adhered to. Keep away from foodstuffs, beverages and food. Instantly remove any soiled and

impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin

Personal protective equipment

Respiratory protection: Filter-dust, fume, mist; respirator equipped with HEPA (Use only NIOSH or CEN approved Equipment)

Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique.

Eye protection: Safety glasses, goggles

Skin protection: Completely covering work attire with full length apron

Additional protective equipment: Sufficient to prevent contact. Emergency eyewash and safety shower

Precautionary labeling: Wash thoroughly after handling

Do not get in eyes, on skin or on clothing

Do not breathe dust,

Keep away from heat, sparks, and open flames

Empty container may contain hazardous residues

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Crystalline Powder Color: White to off-white Odor: Odorless

Odor threshold: Not determined Molecular Weight (Calculated): 681.77 g/mol pH: Not determined

Melting point/freezing point/range: Not determined Boiling point/range: Not determined

Sublimation temperature/start: Not determined Decomposition temperature: Not determined

Flammability (solid, gas): Not determined Flash point: Not determined

Autoignition temperature: Not determined Danger of explosion: Not determined

Flammable limits: Not determined Lower: Not determined Upper: Not determined

Vapor pressure (mm Hg): Not determined Vapor density: Not determined

Specific gravity: No information available Bulk density: Not determined

Solubility/Miscibility with water: 1.4 g/L, 25°C Partition coefficient n-octanol/water: Not determined

Other solubility: 0.5% in ethanol, 1% in DMSO, DMT

Viscosity: Not determined

Other information: Not determined

10. STABILITY AND REACTIVITY

Reactivity: Not determined

Chemical stability: Stable under recommended storage conditions

Possibility of hazardous reactions: Not determined

Conditions to be avoided: Protect from light - causes decomposition

Materials to be avoided: See section 7 for information on proper handling and storage

Dangerous reactions: Explosive reaction with halogens or amine metal salts

Hazardous decomposition products: Oxides of carbon, iodine and nitrogen (NO_x)

11. TOXICOLOGICAL INFORMATION

LD/LC50 values that are relevant for classification: Oral-rat LD50: >3000 mg/kg, Oral-mouse LD50: >3000 mg/kg

Irritation or corrosion of skin: No data available

Irritation or corrosion of eyes: No data available

Primary irritant or corrosive effect:

on the skin: No data available

on the eye: No data available

Sensitization: No data available

Potential health effects:

Inhalation: No data available

Ingestion: No data available

Skin: No data available

Eyes: No data available

Prolonged or repeated exposure can cause damage to the lungs and heart, liver injury and stomach irregularities.

Signs and symptoms of exposure: Pulmonary toxicity, which is potentially fatal, is the most severe adverse effect associated with oral amiodarone therapy.

Carcinogenicity: Long term studies in rats indicated that amiodarone caused a substantial, dose-related increase in thyroid tumors (follicular adenoma and/or carcinoma), with an increase in tumors occurring even at dosages as low as 5 mg/kg daily.

Additional information: Reproduction studies in male and female rats using oral amiodarone hydrochloride dosages of 90 mg/kg daily... and initiated 9 weeks prior to mating, have revealed evidence of reduced fertility.

12. ECOTOXICOLOGICAL INFORMATION

Toxicity:

Toxicity to fish: No data available

Toxicity to daphnia and other aquatic invertebrates: No data available

Toxicity to algae: No data available

Persistence and degradability:

Biodegradability: No data available

Bioaccumulative potential:

Bioaccumulation: No data available

Mobility in soil: No data available

Other adverse effects: Very toxic to aquatic life with long lasting effects

13. DISPOSAL CONSIDERATIONS

Recommendation: Consult state, local or national regulation for proper disposal

Allow professional disposal company to handle waste. Must be specially treated under adherence to official regulations

Unclean packaging disposal: Disposal must be made according to official regulations

14. TRANSPORT INFORMATION


Land transport DOT: Not dangerous goods

15. REGULATORY INFORMATION

SARA Section 302 Extremely Hazardous components and corresponding TPQs: Not subject

SARA Section 311 / 312 hazards: Acute Health Hazard, Chronic Health Hazard

SARA Section 313 components: This product does not contain chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning & Community Right-to-know Act of 1986 and 40CFR372 California Proposition 65 components:

WARNING:  **WARNING:** This product can expose you to chemicals including Amiodarone hydrochloride, which is known to the State of California to cause birth defects or other reproductive harm
TSCA: Product is listed on TSCA Inventory

16. OTHER INFORMATION

Preparation Date: 11/27/2018

Revision Date: 11/27/2018

Prepared by: Ken Wiener

Disclaimer: All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. 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

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End of Safety Data Sheet