

## Safety Data Sheet

**Amlexanox**

**Cat#: orb321928**

**Updated Date:** 6/11/2020

### Section 1. Product and Company Identification

**Product Name** Amlexanox

Catalog No.: orb321928

**Chemical Name (Synonyms)** (1-Methylethyl)-5-oxo-5H-[1]Benzopyrano[2,3-b]pyridine-3-carboxylic acid  
CHX3673, AA673

### Section 2. Hazards Identification

**GHS Classification** Acute toxicity, Oral (Category 4), H302

#### GHS Label elements including precautionary statements



**Pictogram:**

**Signal word:** Warning

**Hazard statement**

**Hazard and precautionary statements**

H302 - Harmful if swallowed.

**Precautionary statements**

P264 - Wash skin thoroughly after handling.

P270 - Do not eat, drink, or smoke when using this product.

P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell

P330 - Rinse mouth.

P501 - Dispose of contents/ container to an approved waste disposal plant.

#### HMIS Classification

Health hazard: 2

Flammability: 0

Physical hazards: 0

**NFPA Rating**

Health hazard: 2

Fire: 0

Reactivity hazard: 0

#### Potential Health Effects

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation.

Skin: May be harmful if absorbed through skin. May cause skin irritation.

Eyes: May cause eye irritation.

Ingestion: Acute toxicity. Harmful if swallowed.

### Section 3. Composition/Information on Ingredients

#### Substances

**Formula**  $C_{16}H_{14}N_2O_4$                       **Formula Wt.** 298.29

**CAS No.** 68302-57-8                      **EC No.**

### Section 4. First Aid Measures

**General advice** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**Eye Contact** Flush eyes with water as a precaution.

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

**Inhalation** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

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

### Section 5. Firefighting Measures

#### Flash Point

Not available.

#### Extinguishing Media

Use water spray, alcohol-resistant foam, dry chemical, or carbon dioxide.

#### Firefighting Procedures

Wear self-contained breathing apparatus and protective clothing for firefighting if necessary.

#### Unusual Fire Hazards

Carbon oxides, nitrogen oxides (NO<sub>x</sub>)

### Section 6. Accidental Release Measures

#### Personal Precautions

Use personal protective equipment. Avoid dust formation. Avoid breathing dust, vapors, mist, or gas. Ensure adequate ventilation.

#### Environmental Precautions

Do not let product enter drains.

#### Methods and materials for containment and cleanup

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

### Section 7. Handling and Storage

#### Handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

#### Storage Conditions

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

Recommended storage temperature: Ambient

#### Hazardous Decomposition Products

Not available.

### Section 8. Exposure Controls/Personal Protection

#### Personal protective equipment

##### CONTROLS

Contains no substances with occupational exposure limit values.

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

##### PERSONAL PROTECTION

**Eye/Face protection:** Safety glasses with side-shields conforming to EN 166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

**Skin protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Body protection:** Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Respiratory protection:** For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator.

For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### Section 9. Physical and Chemical Properties

<b>Physical State</b>	Solid.	<b>Color</b>	White to off-white powder.
<b>Boiling Point</b>	Not available.	<b>Volatility</b>	Not available.

**Melting Point** Not available.

**Solubility** Ethanol (0.58 mg/ml), DMSO (10 mg/ml), DMF (14 mg/ml), and 1:1 DMSO: PBS (pH 7.2) (0.5 mg/ml)

**Flash Point** Not available.

**Lower explosion limit** Not available.

**Upper explosion limit** Not available.

**Water solubility** Not available.

**Partition coefficient** log Pow: 2.652

**n-octanol/water**

**Relative vapor density** Not available.

**Density** Not available.

**pH** Not available.

**Ignition temperature** Not available.

**Autoignition temperature** Not available.

**Vapor pressure** Not available.

**Odor** Not available.

**Odor Threshold** Not available.

**Evaporation rate** Not available.

## Section 10. Stability and Reactivity

### Stability

Stable under recommended storage conditions.

### Materials To Avoid

Strong oxidizing agents.

### Hazardous Decomposition Products

Not available.

### Possibility of hazardous reactions

Not available.

### Conditions to avoid

Not available.

## Section 11. Toxicological Information

### Oral LD50

Not available.

### Inhalation LC50

Not available.

### Dermal LD50

Not available.

### Other information on acute toxicity

Not available.

### Skin corrosion/irritation

Not available.

### Serious eye damage/irritation

Not available.

#### **Respiratory or skin sensitization**

Not available.

#### **Germ cell mutagenicity**

Not available.

#### **Reproductive Toxicity**

Not available.

#### **Teratogenicity**

Not available.

#### **Specific organ toxicity single exposure (GHS)**

Not available.

#### **Specific organ toxicity repeated exposure (GHS)**

Not available.

#### **Aspiration Hazard**

Not available.

#### **Signs and symptoms of exposure**

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

#### **Synergistic effects**

Not available.

#### **Additional Information**

RTECS: Not available.

#### **Potential Health Effects**

Inhalation: May be harmful if inhaled. May cause respiratory tract irritation. Skin: May be harmful if absorbed through skin. May cause skin irritation. Eyes: May cause eye irritation. Ingestion: Acute toxicity. Harmful if swallowed.

#### **Carcinogenicity**

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

#### **Section 12. Ecological Information**

**Toxicity** Not available.

**Mobility in soil** Not available.

#### **PBT and vPvB assessment**

PBT/vPvB assessment not available as chemical safety assessment not required/ not conducted.

**Persistence and degradability** Not available.

**Other adverse effects** Not available.

**Bioaccumulative potential** Not available.

### **Section 13. Disposal Considerations**

#### **Waste Disposal**

Dispose of material according to all federal, state, and local regulations.

Offer material to a licensed, professional waste disposal company to dispose of as unused product.

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

### **Section 14. Transport Information**

**DOT (US)** Not dangerous goods.

**IATA** Not dangerous goods.

**IMDG** Not dangerous goods.

### **Section 15. Regulatory Information**

#### **Reach No.**

**SARA 302 Components** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Components** Acute health hazard.

**Massachusetts Right To Know Components** No components are subject to the Massachusetts Right to Know Act.

#### **Pennsylvania Right**

**To Know Components** Amlexanox CAS #: 68302-57-8

**New Jersey Right to Know Components** Amlexanox CAS #: 68302-57-8

#### **California Prop 65 Components**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

### **Section 16. Other Information**

#### **Other information**

The information in this document is believed to be correct but is not necessarily complete. Biorbyt does not guarantee the accuracy of the information. The burden of verifying the information in this document rests solely upon the user.