

Creation Date 19-Oct-2010

Revision Date 01-Apr-2011

Revision Number 1

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### Product Identifier

Product Description: 5-Amino-2-methyl-1,3-benzoxazole  
Cat No. 437920000; 437920010; 437920050

### Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Laboratory chemicals  
Uses advised against No Information available

### Details of the supplier of the safety data sheet

#### Company

Acros Organics BVBA  
Janssen Pharmaceuticaaan 3a  
2440 Geel, Belgium

E-mail address begel.sdsdesk@thermofisher.com

### Emergency Telephone Number

For information in the US, call: 001-800-ACROS-01  
For information in Europe, call: +32 14 57 52 11

Emergency Number, Europe: +32 14 57 52 99  
Emergency Number, US: 001-201-796-7100

CHEMTREC Phone Number, US: 001-800-424-9300  
CHEMTREC Phone Number, Europe: 001-703-527-3887

## SECTION 2. HAZARDS IDENTIFICATION

### Classification of the substance or mixture

#### REGULATION (EC) No 1272/2008

|                                                           |            |
|-----------------------------------------------------------|------------|
| Acute oral toxicity                                       | Category 4 |
| Skin Corrosion/Irritation                                 | Category 2 |
| Serious Eye Damage/Eye Irritation                         | Category 2 |
| Specific target organ systemic toxicity (single exposure) | Category 3 |

### Classification according to EU Directives 67/548/EEC or 1999/45/EC

For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16

Symbol(s) Xn - Harmful  
R-phrases R22 - Harmful if swallowed  
Risk Combination Phrases R36/37/38 - Irritating to eyes, respiratory system and skin

5-Amino-2-methyl-1,3-benzoxazole

Revision Date 01-Apr-2011

## SECTION 2. HAZARDS IDENTIFICATION

### Label Elements



### Signal Word

### Warning

### Hazard Statements

H319 - Causes serious eye irritation  
H315 - Causes skin irritation  
H302 - Harmful if swallowed  
H335 - May cause respiratory irritation

### Precautionary Statements - EU (§28, 1272/2008)

P261 - Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray  
P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

### Other Hazards

No information available.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component                                      | EC-No. | Weight % | CAS-No     | 67/548/EEC Classification | CLP Classification - Regulation (EC) No 1272/2008                                      | REACH No. |
|------------------------------------------------|--------|----------|------------|---------------------------|----------------------------------------------------------------------------------------|-----------|
| 5-Amino-2-methyl-1,3-benzoxazole<br>72745-76-7 |        | >95      | 72745-76-7 | Xn; R22<br>Xi; R36/37/38  | STOT SE 3 (H335)<br>Skin Irrit. 2 (H315)<br>Eye Irrit. 2 (H319)<br>Acute Tox. 4 (H302) | -         |

For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16

5-Amino-2-methyl-1,3-benzoxazole

Revision Date 01-Apr-2011

**SECTION 4. FIRST AID MEASURES****Description of first aid measures****Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

**Skin Contact**

Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing before re-use. Obtain medical attention.

**Ingestion**

Do not induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

**Inhalation**

Move to fresh air. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with a respiratory medical device. Obtain medical attention.

**Notes to Physician**

Treat symptomatically

**SECTION 5. FIRE-FIGHTING MEASURES****Extinguishing media****Suitable Extinguishing Media**

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

**Extinguishing media which must not be used for safety reasons**

No information available.

**Special hazards arising from the substance or mixture**

Thermal decomposition can lead to release of irritating gases and vapors

**Advice for fire-fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Thermal decomposition can lead to release of irritating gases and vapors.

**SECTION 6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation. Use personal protective equipment. Avoid dust formation.

**Environmental precautions**

Should not be released into the environment.

**Methods and material for containment and cleaning up**

Sweep up or vacuum up spillage and collect in suitable container for disposal. Avoid dust formation.

5-Amino-2-methyl-1,3-benzoxazole

Revision Date 01-Apr-2011

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

Wear personal protective equipment. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Avoid ingestion and inhalation. Avoid dust formation.

### Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Store under an inert atmosphere.

### Specific End Uses

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Biological limit values** This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL)** No information available.  
**Predicted No Effect Concentration (PNEC)** No information available.

### Exposure controls

**Engineering Measures** Ensure that eyewash stations and safety showers are close to the workstation location Ensure adequate ventilation, especially in confined areas

### **Personal protective equipment**

**Eye Protection**

Safety glasses with side-shields

**Hand Protection**

Protective gloves

**Skin and body protection**

Wear appropriate protective gloves and clothing to prevent skin exposure

**Respiratory Protection**

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice

**Environmental exposure controls** No information available.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State**

Solid

**Appearance**

Brown

**odor**

No information available

**pH**

No information available.

**Boiling Point/Range**

165°C / 329°F @ 8 torr

5-Amino-2-methyl-1,3-benzoxazole

Revision Date 01-Apr-2011

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

|                          |                                 |
|--------------------------|---------------------------------|
| Melting Point/Range      | 72.0 - 74.6°C / 161.6 - 166.3°F |
| Flash Point              | No information available.       |
| Autoignition Temperature | No information available.       |
| Molecular Formula        | C8 H8 N2 O                      |
| Molecular Weight         | 148.17                          |

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

### Chemical Stability

Stable under recommended storage conditions. Air sensitive.

### Possibility of Hazardous Reactions

|                                 |                                          |
|---------------------------------|------------------------------------------|
| <b>Hazardous Polymerization</b> | Hazardous polymerization does not occur. |
| <b>Hazardous Reactions .</b>    | None under normal processing..           |

### Conditions to Avoid

Incompatible products, Excess heat, Avoid dust formation, Exposure to air.

### Incompatible Materials

Strong oxidizing agents, Strong acids, Strong bases.

### Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects

### Acute Toxicity

|                            |                                                             |
|----------------------------|-------------------------------------------------------------|
| <b>Product Information</b> | No acute toxicity information is available for this product |
|----------------------------|-------------------------------------------------------------|

### Component Information

### Chronic Toxicity

|                        |                                                           |
|------------------------|-----------------------------------------------------------|
| <b>Carcinogenicity</b> | There are no known carcinogenic chemicals in this product |
|------------------------|-----------------------------------------------------------|

|                      |                           |
|----------------------|---------------------------|
| <b>Sensitization</b> | No information available. |
|----------------------|---------------------------|

5-Amino-2-methyl-1,3-benzoxazole

Revision Date 01-Apr-2011

## SECTION 11. TOXICOLOGICAL INFORMATION

|                                 |                              |
|---------------------------------|------------------------------|
| Mutagenic Effects               | No information available     |
| Reproductive Effects            | No information available.    |
| Developmental Effects           | No information available.    |
| Target Organs                   | Skin Respiratory system Eyes |
| Endocrine Disruptor Information | None known                   |

## SECTION 12. ECOLOGICAL INFORMATION

### Toxicity

|                     |                                                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------|
| Ecotoxicity effects | Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants |
|---------------------|----------------------------------------------------------------------------------------------------------------------------|

### Persistence and degradability

No information available

### Bioaccumulative potential

No information available.

### Mobility in soil

No information available.

### Results of PBT and vPvB assessment

### Other adverse effects

No information available

## SECTION 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

|                                       |                                                                  |
|---------------------------------------|------------------------------------------------------------------|
| Waste from Residues / Unused Products | Dispose of in accordance with local regulations                  |
| Contaminated Packaging                | Empty containers should be taken to local recyclers for disposal |

## SECTION 14. TRANSPORT INFORMATION

|          |               |
|----------|---------------|
| IMDG/IMO | Not regulated |
|----------|---------------|

|     |               |
|-----|---------------|
| ADR | Not regulated |
|-----|---------------|

5-Amino-2-methyl-1,3-benzoxazole

Revision Date 01-Apr-2011

**SECTION 14. TRANSPORT INFORMATION**IATA

Not regulated

**SECTION 15. REGULATORY INFORMATION**Safety, health and environmental regulations/legislation specific for the substance or mixtureInternational InventoriesLegend**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List**PICCS** - Philippines Inventory of Chemicals and Chemical Substances**ENCS** - Japan Existing and New Chemical Substances**CHINA** - China Inventory of Existing Chemical Substances**AICS** - Inventory of Chemical Substances**KECL** - Existing and Evaluated Chemical SubstancesChemical Safety Assessment**SECTION 16. OTHER INFORMATION**Full text of R-phrases referred to under sections 2 and 3

R22 - Harmful if swallowed

R36/37/38 - Irritating to eyes, respiratory system and skin

Revision Date

01-Apr-2011

Revision Summary

Not applicable

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of Safety Data Sheet

5-Amino-2-methyl-1,3-benzoxazole

Revision Date 01-Apr-2011

---