



Creation Date 08-Sep-2009

Revision Date 16-Nov-2010

Revision Number 1

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

Product Identifier Product Description: Cat No.

2-Formyl-3-thiopheneboronic acid 427690000; 427690010; 427690050

Relevant identified uses of the substance or mixture and uses advised againstRecommended UseLaboratory chemicalsUses advised againstNo Information available

Details of the supplier of the safety data sheet

 Company

 Acros Organics BVBA

 Janssen Pharmaceuticalaan 3a

 2440 Geel, Belgium

 E-mail address

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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 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 16Symbol(s)Xn - HarmfulR-phrase(s)R22 - Harmful if swallowedRisk Combination PhrasesR36/37/38 - Irritating to eyes, respiratory system and skin





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SECTION 2. HAZARDS IDENTIFICATION



Signal WordWarningHazard StatementsH319 - Causes serious eye irritationH315 - Causes skin irritationH302 - Harmful if swallowedH335 - 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.
2-Formyl-3-thiopheneboronic acid 4347-31-3		>95	4347-31-3	Xn; R22 Xi; R36/37/38	STOT SE 3 (H335) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Acute Tox. 4 (H302)	-

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





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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. Obtain medical attention.
Ingestion	Do not induce vomiting. 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.





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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. Keep refrigerated. 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 Derived No Effect Level (DNEL) Predicted No Effect Concentration (PNEC)	This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies. No information available. No information available.
Exposure controls	
Engineering Measures Personal protective equipment Eye Protection Hand Protection Skin and body protection Respiratory Protection	Ensure that eyewash stations and safety showers are close to the workstation location Ensure adequate ventilation, especially in confined areas Safety glasses with side-shields Protective gloves Wear appropriate protective gloves and clothing to prevent skin exposure 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
Hygiono Moasuros	Handle in accordance with good industrial byginne and safety practice

Hygiene Measures Environmental exposure controls Handle in accordance with good industrial hygiene and safety practice No information available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State pH Boiling Point/Range Melting Point/Range Flash Point Autoignition Temperature Solid No information available. No information available. 167 - 193°C / 332.6 - 379.4°F No information available. No information available.



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2-Formyl-3-thiopheneboronic acid

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula Molecular Weight C5 H5 B O3 S 155.99

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Chemical Stability

Stable under recommended storage conditions. Air sensitive.

Possibility of Hazardous Reactions

Hazardous PolymerizationNo information available.Hazardous Reactions .None under normal processing..

Conditions to Avoid

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

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Carbon monoxide (CO). Carbon dioxide (CO₂). Oxides of boron. Sulfur oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

Acute Toxicity

Component Information

Chronic Toxicity Carcinogenicity

There are no known carcinogenic chemicals in this product

Sensitization Mutagenic Effects Reproductive Effects Developmental Effects Target Organs Other Adverse Effects No information available. No information available No information available. No information available. Skin Respiratory system Eyes The toxicological properties have not been fully investigated.

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SECTION 11. TOXICOLOGICAL INFORMATION

Endocrine Disruptor Information

SECTION 12. ECOLOGICAL INFORMATION

Toxicity **Ecotoxicity effects**

Do not empty into drains

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	
ΙΑΤΑ	Not regulated	

SECTION 15. REGULATORY INFORMATION



None known





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SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

International Inventories

Legend

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 Substances

Chemical 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 Revision Summary 16-Nov-2010

Reason for revision 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