

A CENTRAL GLASS CO., LTD. COMPANY 5-METHOXY-1H-INDOLE-2-BORONIC ACID, N-BOC PROTECTED

Page: 1

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Revision No: 2

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

 Product name:
 5-METHOXY-1H-INDOLE-2-BORONIC ACID, N-BOC PROTECTED

 CAS number:
 290331-71-4

 Product code:
 OR14256

 Synonyms:
 1-(TERT-BUTOXYCARBONYL)-5-METHOXY-1H-INDOLE-2-BORONIC ACID

 TERT-BUTYL 2-BORONO-5-METHOXY-1H-INDOLE-1-CARBOXYLATE

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Company name: Apollo Scientific Ltd

	Units 3 & 4
	Parkway
	Denton
	Manchester
	M34 3SG
	UK
Tel:	0161 337 9971
Fax:	0161 336 6932
Email:	david.tideswell@apolloscientific.co.uk

1.4. Emergency telephone number

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP:	Xi: R36/37/38
Classification under CLP:	STOT SE 3: H335; Eye Irrit. 2: H319; Skin Irrit. 2: H315
Most important adverse effects:	Irritating to eyes, respiratory system and skin.

2.2. Label elements

Label elements under CLP:

Hazard statements: H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

Signal words: Warning

Hazard pictograms: GHS07: Exclamation mark



5-METHOXY-1H-INDOLE-2-BORONIC ACID, N-BOC PROTECTED

Page: 2

Precautionary statements: P271: Use only outdoors or in a well-ventilated area.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Label elements under CHIP:

Hazard symbols: Irritant.



 Risk phrases:
 R36/37/38: Irritating to eyes, respiratory system and skin.

 Safety phrases:
 S22: Do not breathe dust.

 S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

 S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

2.3. Other hazards

PBT: This substance is not identified as a PBT substance.

Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity: 5-METHOXY-1H-INDOLE-2-BORONIC ACID, N-BOC PROTECTED

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

4.3. Indication of any immediate medical attention and special treatment needed

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Carbon dioxide, dry chemical powder, foam. Suitable extinguishing media for the surrounding fire should be used.

5-METHOXY-1H-INDOLE-2-BORONIC ACID, N-BOC PROTECTED

	Pa	ige:
5.2. Special hazards arising fro	om the substance or mixture	
Exposure hazards:	In combustion emits toxic fumes. Carbon oxides. Nitrogen oxides (NOx). Borane/boron oxides.	
5.3. Advice for fire-fighters		
Advice for fire-fighters:	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact	
	with skin and eyes.	
ection 6: Accidental release r	neasures	
6.1. Personal precautions, prot	ective equipment and emergency procedures	
Personal precautions:	Refer to section 8 of SDS for personal protection details. If outside do not approach from	
	downwind. If outside keep bystanders upwind and away from danger point. Mark out the	
	contaminated area with signs and prevent access to unauthorised personnel. Do not	
	create dust.	
6.2. Environmental precautions	3	
Environmental precautions:	Do not discharge into drains or rivers.	
6.3. Methods and material for o	containment and cleaning up	
Clean-up procedures:	Transfer to a closable, labelled salvage container for disposal by an appropriate	
	method.	
6.4. Reference to other section	S	
ection 7: Handling and storage	ge	
7.1. Precautions for safe handl	ing	
Handling requirements:	Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.	
	Do not handle in a confined space. Avoid the formation or spread of dust in the air. Only	
	use in fume hood.	
7.2. Conditions for safe storag	e, including any incompatibilities	
Storage conditions:	Store in cool, well ventilated area. Keep container tightly closed. Light Sensitive. Store	
~	under Argon. Recommended storage temp 2-8 °C.	
Suitable packaging:	Must only be kept in original packaging.	
7.3. Specific end use(s)		
Specific end use(s):	No data available.	
ection 8: Exposure controls/	personal protection	
8.1. Control parameters		
•		_

Workplace exposure limits: Not applicable.

5-METHOXY-1H-INDOLE-2-BORONIC ACID, N-BOC PROTECTED

Page: 4

8.2. Exposure controls Engineering measures: Ensure there is sufficient ventilation of the area. Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. Respiratory protective device with particle filter. Hand protection: Protective gloves. Eye protection: Safety glasses. Ensure eye bath is to hand. Skin protection: Protective clothing. Section 9: Physical and chemical properties

Part.coeff. n-octanol/water: log Pow: 3.031

9.1. Information on basic physical and chemical properties

State: Powder

Colour: White to off white

Melting point/range °C: 102-108

9.2. Other information

Other information: Not applicable.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: Heat. Light.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide. Nitrogen oxides

(NOx). Boron Oxides

Section 11: Toxicological information

11.1. Information on toxicological effects

5-METHOXY-1H-INDOLE-2-BORONIC ACID, N-BOC PROTECTED

Relevant hazards for substance:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Based on test data
Serious eye damage/irritation	OPT	Based on test data
STOT-single exposure	INH	Based on test data

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: Not applicable.

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance.

12.6. Other adverse effects

Other adverse effects: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations:	MATERIAL SHOULD BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND
	FEDERAL REGULATIONS
Disposal of packaging:	Dispose of as special waste in compliance with local and national regulations Observe
	all federal, state and local environmental regulations.
NB:	The user's attention is drawn to the possible existence of regional or national
	regulations regarding disposal.

Section 14: Transport information

5-METHOXY-1H-INDOLE-2-BORONIC ACID, N-BOC PROTECTED

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NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS	
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No Marine pollutant: No	
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nmental regulations/legislation specific for the substance or mixture	
nent	
This safety data sheet is prepared in accordance with Commission Regulation (EU) No	
453/2010.	
* Data predicted using computational software. Toxtree - Toxic Hazard Estimation by	
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	UNnone NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS. NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS. NO Marine pollutant: No ser Ation A chemical safety assessment has not been carried out for the substance or mixture thent A chemical safety assessment has not been carried out for the substance or the mixture by the supplier. This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

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