

A CENTRAL GLASS CO., LTD. COMP16-CHLORO-4-HYDROXY-2-METHYL-N-(PYRIDIN-2-YL)-2H-THIENO[2,3-E][1,2]THIA ZINE-3-CARBOXAMIDE 1,1-DIOXIDE

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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: 6-CHLORO-4-HYDROXY-2-METHYL-N-(PYRIDIN-2-YL)-2H-THIENO[2,3-E][1,2]

THIAZINE-3-CARBOXAMIDE 1,1-DIOXIDE

CAS number: 70374-39-9

Product code: OR3118

Synonyms: 6-CHLORO-4-HYDROXY-2-METHYL-N-PYRIDIN-2-YL-2H-THIENO[2,3-E][1,2]THIAZINE-3-CARBOXAMID

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 CLP: Acute Tox. 2: H300

Most important adverse effects: Fatal if swallowed.

2.2. Label elements

Label elements:

Hazard statements: H300: Fatal if swallowed.

Signal words: Danger

Hazard pictograms: GHS06: Skull and crossbones



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Precautionary statements: P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/.

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

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity: 6-CHLORO-4-HYDROXY-2-METHYL-N-(PYRIDIN-2-YL)-2H-THIENO[2,3-E][1,2] THIAZINE-3-CARBOXAMIDE 1,1-DIOXIDE

CAS number: 70374-39-9

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. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

- **Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
 - **Ingestion:** Do not induce vomiting. If conscious, give half a litre of water to drink immediately. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.
 - **Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Transfer to hospital as soon as possible.

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 pain and redness.

Ingestion: There may be soreness and redness of the mouth and throat. Severe poisoning can cause unconsciousness and severe and persistent nausea and vomiting. Severe poisoning can cause shock, unconsciousness and convulsions. Severe poisoning can cause vision to be blurred or blindness, severe headache and rapid gasping breathing.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Absorption through the lungs can occur causing symptoms similar to those of ingestion. Nausea and stomach pain may occur.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

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

Immediate / special treatment: Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

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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. Use water spray to cool containers.	
5.2. Special hazards arising fro	om the substance or mixture	
Exposuro bazarda:	Very toxic. In combustion emits toxic fumes of carbon dioxide / carbon monoxide. Sulphur	
Exposure nazarus.	oxides (SOx). Nitrogen oxides (NOx). Hydrogen chloride (HCl).	
5.0. Advice for fire fighters		
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.	
Section 6: Accidental release I	neasures	
6.1. Personal precautions, pro	tective equipment and emergency procedures	
Personal precautions:	Notify the police and fire brigade immediately. 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 attempt to take action without suitable protective	
	clothing - see section 8 of SDS. Do not create dust.	
6.2. Environmental precaution	s	
Environmental precautions:	Do not discharge into drains or rivers.	
6.3. Methods and material for containment and cleaning up		
Clean-up procedures:	Clean-up should be dealt with only by qualified personnel familiar with the specific	
	substance. Transfer to a closable, labelled salvage container for disposal by an	
	appropriate method.	
6.4. Reference to other section	S	
Reference to other sections:	Refer to section 8 of SDS.	
Section 7: Handling and storage	ge	
7.1. Precautions for safe hand	ing	
Handling requirements:	Avoid the formation or spread of dust in the air. Ensure there is sufficient ventilation of	
	the area. Only use in fume hood.	
7.2. Conditions for safe storag	e, including any incompatibilities	
	Store in a cool, well ventilated area. Keep container tightly closed. Store at -20 °C	
-	Must only be kept in original packaging.	
7.3. Specific end use(s)		
Specific end use(s):	No data available.	

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Section 8: Exposure controls/p	ersonal protection	
8.1. Control parameters		
Workplace exposure limits:	No data available.	
DNEL/PNEC Values		
DNEL / PNEC	No data available.	
8.2. Exposure controls		
Engineering measures:	Ensure there is sufficient ventilation of the area.	
	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 chemic	cal properties	
9.1. Information on basic physi	cal and chemical properties	
State:	Powder	
Colour:	Yellow	
Also soluble in:	Dimethylsulfoxide. Dimethylformamide	
Melting point/range °C:	216-219 (dec.) Part.coeff. n-octanol/water: logPow: 3.534	
9.2. Other information		
Other information:	No data available.	
Section 10: Stability and reacti	vity	
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 r	eactions	
Hazardous reactions:	Hazardous reactions will not occur under normal transport or storage conditions.	
	Decomposition may occur on exposure to conditions or materials listed below.	
10.4. Conditions to avoid		
Conditions to avoid:	Heat.	
10.5. Incompatible materials		

Materials to avoid: Strong oxidising agents. Strong acids.

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10.6. Hazardous decomposition products

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

(NOx). Sulphur oxides (SOx) Hydrogen chloride (HCI).

Section 11: Toxicological information

11.1. Information on toxicological effects

Toxicity values:

Route	Species	Test	Value	Units
ORAL	RAT	LD50	5.73	mg/kg

Hazardous ingredients:

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ORAL RAT LD50 5.73 mg/kg

Relevant hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 2)	ING	Hazardous: calculated

Symptoms / routes of exposure		
Skin contact:	There may be irritation and redness at the site of contact.	
Eye contact:	There may be pain and redness.	
Ingestion:	There may be soreness and redness of the mouth and throat. Severe poisoning can	
	cause unconsciousness and severe and persistent nausea and vomiting. Severe	
	poisoning can cause shock, unconsciousness and convulsions. Severe poisoning can	
	cause vision to be blurred or blindness, severe headache and rapid gasping breathing.	
Inhalation:	There may be shortness of breath with a burning sensation in the throat. Absorption	
	through the lungs can occur causing symptoms similar to those of ingestion. Nausea	
	and stomach pain may occur.	
Delayed / immediate effects:	Immediate effects can be expected after short-term exposure.	
Section 12: Ecological information		
12.1. Toxicity		

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

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12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB 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

14.1. UN number

UN number: UN2811

14.2. UN proper shipping name

Shipping name: TOXIC SOLID, ORGANIC, N.O.S.

14.3. Transport hazard class(es)

Transport class: 6.1

14.4. Packing group

Packing group: ||

14.5. Environmental hazards

Environmentally hazardous: No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: D/E

Transport category: 2

Section 15: Regulatory information

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

Specific regulations: Not applicable.

Marine pollutant: No

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15.2. Chemical Safety Assessm	nent	
Chemical safety assessment:	A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.	
Section 16: Other information		
Section 10. Other information		
Other information		
Other information:	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	
	decision tree approach. http://ecb.jrc.ec.europa.eu/qsar/qsar-tools/index.php?	
	c=TOXTREE	
	~ Data predicted using computational software ACD/ToxSuite v 2.95.1 Copyright 1994-	
	2009 ACD/labs, Copyright 2001-2009 Pharma Algorithms, Inc, Advanced Chemistry	
	Development, Inc (ACD/Labs). http://www.acdlabs.com/products/pc_admet/tox/tox/	
Phrases used in s.2 and s.3:	H300: Fatal if swallowed.	
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	by those who have been fully trained in safety, laboratory and chemical handling	
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