

Issue Date: 17/11/2020

Safety Data Sheet

1	Product Identifiers Product Name: Guanidine thiocyanate				
	Product Code: CAS-No.:	BM2054 593-84-0			
.2	Guanidinium isot	thiocyanate			
.3	Relevant identif Identified uses	ied uses of the su	ubstance or mixture and uses advised against Laboratory chemicals, Manufacture of substances		
1.4	Details of the su	upplier of the safe	ety data sheet		
	Company		Boron Molecular Pty Ltd		
	Address		500 Princes Hwy (PO Box 756),		
			Noble Park, Vic, 3174		
			Australia		
	Telephone Numb	ber	+61 3 8558 8000		
	Emergency Telep		+1 703 527 3887 (Chemtrec)		
	5 ···· 5 · 5 · 6 P		+61 413 777887, +61 412 191161 (Australia)		
	HAZARDS IDEN Classification of Skin irritation Eye irritation	TIFICATION f the substance o			
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2.1	Classification of Skin irritation Eye irritation Label elements Pictogram Signal word Hazard statemen H315 H319 H335 Prevention	f the substance o vv t(s) Ca Ca Ma Av Wa	r mixture		



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P301+P310	IF SWALLOWED Immediately call Poison Centre or Physician
P302+P352	IF ON SKIN: Immediately flush skin with plenty of soap and water.
P305+P338+P351	IF IN EYES: Immediately flush eyes with plenty of water for at
	least 20 minutes.
P333+P313	If skin irritation or rash occurs: Get medical advice
P337+P313	If eye irritation persists: Get medical advice
P363	Wash contaminated clothing before reuse

2.3 Other hazards - none

3 COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Synonyms Guanidinium isothiocyanate

FormulaCH5N3.CHNSMolecular weight118.1600amuCAS Number593-84-0ConcentrationConcentrationConformsConforms

4 FIRST AID MEASURES

4.1 Description of first aid measures

General Advice

Consult a Physician. Show this safety data sheet to the doctor in attendance.

Ingestion

If swallowed do not induce vomiting. If Victim is conscious, wash out mouth with copious amounts of water. Seek immediate medical assistance.

Eye

Immediately flush eyes with plenty of water for at least 20 minutes while holding eyelids open.

Skin

Immediately flush skin with plenty of water for at least 20 minutes while removing contaminated clothing and shoes. Dispose of contaminated clothing and shoes in compliance with all local, state and federal laws and regulations.

Inhalation

Remove affected person to fresh air. If not breathing, give artificial respiration & seek immediate medical attention. If breathing is difficult, give oxygen.

Chronic

No specific information available on toxicity or the effects of overexposure

SEEK IMMEDIATE MEDICAL ASSISTANCE IN ALL CASES

- **4.2 Most important symptoms and effects, both acute and delayed** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
- **4.3 Indication of any immediate medical attention and special treatment needed.** No data available



5	FIRE FIGHTING MEASURES
5.1	Extinguishing media Suitable extinguishing media Foam / Carbon dioxide / Dry powder
5.2	Special hazards arising from the substance or mixture Not Determined – May include carbon monoxide, carbon dioxide, boron oxides, Nitrous Oxides &/or organic fumes.
5.3	Advise for firefighters Wear self contained breathing apparatus for fire fighting if necessary
5.4	Further information No data available
6	ACCIDENTAL RELEASE MEASURES
6.1	Personal precautions, protective equipment and emergency procedures Use personal protective equipment. Avoid dust formation. Avoid breathing dust, vapours, mist or gas. Ensure adequate ventilation. For respiratory protection, wear a NIOSH/MSHA approved dust mask or self contained breathing apparatus.
6.2	Environmental precautions Do not let product enter drains.
6.3	Methods and materials for containment and cleaning up Pickup and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.
6.4	Reference to other sections For disposal see section 13.
7	HANDLING AND STORAGE
7.1	Precautions for safe handling Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapours or mist. Use only with adequate ventilation
7.2	Conditions for safe storage, including any incompatibilities Handle and store in a DRY closed system, preferably under DRY nitrogen. Storage conditions: Store ≤ 25°C
7.3	Specific end uses Apart from the uses mentioned in section 1.3, no other specific uses are stipulated.
8	EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1	Control parameters No data available

8.2 Exposure controls



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Personal protective equipment

Eye/face protection Safety glass with side shields

Skin protection

Handle with chemical resistant gloves. Gloves must be inspected before use.

Body protection Impervious clothing

Respiratory protection

When inhalation of vapor or mist is possible, wear a NIOSH/MSHA approved dust mask or self-contained breathing apparatus with full face-piece operated in positive-pressure mode.

White Solid

118-120

Not Determined

Not Determined Not Determined

Not Determined

Not Determined Not Determined

Not Determined

Engineering controls

Eye wash and safety showers must be available and in good working order.

PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- a) Appearance (Color and Form)
- b) Odour
- **Odour Threshold** c)
- d) pН

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- Melting Point e)
- **Boiling Point** f)
- Flashpoint g)
- Evaporation rate h)
- i) Flammability
- Upper/lower flammability or j) explosive limits
- k) Vapour Pressure
- I) Vapour density
- Relative density m)
- Water solubility n)
- partition coefficient: o)
- p) Autoignition temperature
- Decomposition temperature q)
- r) Viscosity
- s) Explosive properties
- t) Oxidizing properties

Other safety information 9.2 No data available

10 STABILITY AND REACTIVITY

10.1 Reactivity

Not Determined.



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Spe – re Asp OLOGIO 1 Tox 2 Per 3 Bio 4 Mol 5 Res		Inhalation – May cause respiratory irritation. Not Determined. Not Determined. Not Determined. Not Determined. Not Determined. Not Determined. Not Determined. Not Determined. Not Determined. Not Determined.					
DISPOSAL CONSIDERATIONS							
Waste treatment methods Contact a licensed professional waste disposal service to dispose of this material. Burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state & local environmental regulations.							
ANSPOI I numbe R/RID:		N/A IATA-DGR: N/A					
	Oth POSAL ste treat tact a lic mical inc l enviror NSPOF number R/RID: proper	Other adverse effects POSAL CONSIDERATIONS Ste treatment methods tact a licensed professional waste disposal mical incinerator equipped with an afterburn l environmental regulations. NSPORTATION INFORMATION number					



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	IMDG: Not dang	erous goods			
	IATA-DGR: Not dang	erous goods			
14.3	Transport hazard class ADR/RID: N/A	s(es) IMDG:	N/A	IATA-DGR:	N/A
14.4	Packaging group ADR/RID: N/A	IMDG:	N/A	IATA-DGR:	N/A
14.5	Environmental hazard ADR/RID: No	IMDG:	No	IATA-DGR:	No
14.6	Special precautions fo	r user			
15	REGULATORY INFOR	MATION			
16					
16	OTHER INFORMATION		7/11/2020		
16	OTHER INFORMATION Date of Preparation Revision No.		7/11/2020		