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Do not get in eyes, on skin, or on clothing.	
Wear protective gloves/protective clothing/eye protection/face protection +P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Reme	
present and easy to do. Continue rinsing. Protect from sunlight.	
ther hazards	
ts of PBT and vPvB assessment	
Not applicable.	
Not applicable.	

CHEMICALS, INC.

· CAS No. Description 1823268-46-7 2-Cyano-3-methyl-2-butylbenzodithiolate

(Contd. on page 2)

GB

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Trade name: 2-Cyano-3-methyl-2-butylbenzodithiolate

(Contd. of page 1)

SECTION 4: First aid measures

- 4.1 Description of first aid measures
- · General information: No special measures required.
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact: Immediately rinse with water.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- · 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed
- No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- · 5.3 Advice for firefighters
- · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

- · 6.1 Personal precautions, protective equipment and emergency procedures Not required.
- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- · 6.4 Reference to other sections
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling No special measures required.
- · Information about fire and explosion protection: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Keep cool.
- Protect from sunlight.
- Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed.
- Recommended storage temperature: Store at temperatures not exceeding -18 °C. Keep cool.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· Additional information about design of technical facilities: No further data; see item 7.

(Contd. on page 3)



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Revision: 16.07.2021



Printing date 16.07.2021

8.2 Exposure controls Personal protective equipment: Ceneral protective equipment: The usual precautionary measures are to be adhered to when handling chemicals. Respiratory protection: Not required. Protection of hands: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation/ to chemical instruce. Selection of the glove material on consideration of the glove material can be given for the product/ the preparation/ to chemical instruce. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality a varies from manufacturer to manufacturer. Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to observed. Septenction: Goggles recommended during refilling 9.1 Information on basic physical and chemical properties General Information Appearance: Form: Liquid Colour: Dark red Odour: Like rotten eggs (mercaptans) Odour threshold: Not determined. Flammability (solid, gas): Product does not present an explosion hazard. Explosive properties: Product does not present an explosion hazard. Explosive properties: Not determined. Flappersure: Not determined. Flappers		(Contd. of page
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	· Relative density	Not determined.



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Revision: 16.07.2021

Trade name: 2-Cyano-3-methyl-2-butylbenzodithiolate

		(Contd. of page
· Vapour density	Not determined.	
· Evaporation rate	Not determined.	
· Solubility in / Miscibility with		
water:	Not miscible or difficult to mix.	
· Partition coefficient: n-octanol/water:	Not determined.	
· Viscosity:		
Dynamic:	Not determined.	
Kinematic:	Not determined.	
· Solvent content:		
Organic solvents:	0.0 %	
VOC(EC)	0.00 %	
· 9.2 Other information	No further relevant information available.	

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

- · 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

· 11.1 Information on toxicological effects

- Acute toxicity Based on available data, the classification criteria are not met.
- · Primary irritant effect:
- · Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- · Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

· 12.1 Toxicity

- · Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.

(Contd. on page 5)

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Printing date 16.07.2021

Revision: 16.07.2021

(Contd. of page 4)

Trade name: 2-Cyano-3-methyl-2-butylbenzodithiolate

- · Additional ecological information:
- · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· 12.5 Results of PBT and vPvB assessment

• **PBT:** Not applicable.

· vPvB: Not applicable.

• 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation Disposal must be made according to official regulations.

· Uncleaned packaging:

• Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN-Number · ADR, ADN, IMDG, IATA	not regulated			
· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	not regulated			
· 14.3 Transport hazard class(es)	· 14.3 Transport hazard class(es)			
· ADR, ADN, IMDG, IATA · Class	not regulated			
· 14.4 Packing group · ADR, IMDG, IATA	not regulated			
· 14.5 Environmental hazards: · Marine pollutant:	No			
· 14.6 Special precautions for user	Not applicable.			
• 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code Not applicable.				
· UN "Model Regulation":	not regulated			

SECTION 15: Regulatory information

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

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I Substance is not listed.

· National regulations:

• Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

• 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

(Contd. on page 6)



Printing date 16.07.2021

CHEMICALS, INC

Revision: 16.07.2021

Trade name: 2-Cyano-3-methyl-2-butylbenzodithiolate

(Contd. of page 5)

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Department issuing SDS: Technical Department.

· Contact: Technical Director

· Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU) PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative