

# **Apollo Scientific**

# Part Number: PC7961

Version No: 1.1 Safety Data Sheet (Conforms to Annex II of REACH (1907/2006) - Regulation 2020/878) Chemwatch Hazard Alert Code: 3

Issue Date: **16/05/2022** Print Date: **15/10/2024** S.REACH.GB-NIR.EN

## SECTION 1 Identification of the substance / mixture and of the company / undertaking

### 1.1. Product Identifier

Product name	3-(Trifluoromethyl)pyridine-2-thiol
Synonyms	Not Available
Proper shipping name	TOXIC SOLID, ORGANIC, N.O.S.
Other means of identification	Not Available
CAS number	104040-74-6

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

Relevant identified uses	Not Available
Uses advised against	No specific uses advised against are identified.

### 1.3. Details of the manufacturer or supplier of the safety data sheet

Registered company name	Apollo Scientific
Address	Whitefield Road, Bredbury SK62QR United Kingdom
Telephone	01614060505
Fax	0161 406 0506
Website	https://www.apolloscientific.co.uk/
Email	sales@apolloscientific.co.uk

## 1.4. Emergency telephone number

Association / Organisation	Not Available
Emergency telephone number(s)	Not Available
Other emergency telephone number(s)	Not Available

### **SECTION 2 Hazards identification**

#### 2.1. Classification of the substance or mixture

Classification according to regulation (EC) No 1272/2008 [CLP] and amendments <sup>[1]</sup>	H301 - Acute Toxicity (Oral) Category 3, H319 - Serious Eye Damage/Eye Irritation Category 2
Legend:	1. Classified by Chernwatch; 2. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI

#### 2.2. Label elements

Hazard pictogram(s)	
Signal word Danger	
Hazard statement(s)	
H301	Toxic if swallowed.
H319	Causes serious eye irritation.

#### Supplementary statement(s)

Not Applicable

Precautionary statement(s) Pre	evention		
P264	Wash all exposed external body areas thoroughly after handling.		
P270	Do not eat, drink or smoke when using this product.		
P280	Wear protective gloves, protective clothing, eye protection and face protection.		
Precautionary statement(s) Res	sponse		
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician/first aider.		
P330	Rinse mouth.		
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.		
P337+P313	If eye irritation persists: Get medical advice/attention.		
recautionary statement(s) Sto	brage		
P405	Store locked up.		
Precautionary statement(s) Dis	sposal		
P501	Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.		

Material does not contain any CLP Article 18 substances.

#### 2.3. Other hazards

Inhalation and/or ingestion may produce health damage\*.

REACH - Art.57-59: The mixture does not contain Substances of Very High Concern (SVHC) at the SDS print date.

### **SECTION 3 Composition / information on ingredients**

### 3.1.Substances

1. CAS No 2.EC No 3.Index No 4.REACH No	% [weight]	Name	Classification according to regulation (EC) No 1272/2008 [CLP] and amendments	SCL / M- Factor	Nanoform Particle Characteristics
Not Available	100	3-(Trifluoromethyl)pyridine- 2-thiol	Not Applicable	Not Applicable	Not Available

Legend: 1. Classified by Chernwatch; 2. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI; 3. Classification drawn from C&L; \* EU IOELVs available; [e] Substance identified as having endocrine disrupting properties

### 3.2.Mixtures

See 'Information on ingredients' in section 3.1

## **SECTION 4 First aid measures**

### 4.1. Description of first aid measures

Eye Contact	<ul> <li>If this product comes in contact with the eyes:</li> <li>Wash out immediately with fresh running water.</li> <li>Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.</li> <li>Seek medical attention without delay; if pain persists or recurs seek medical attention.</li> <li>Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.</li> </ul>
Skin Contact	<ul> <li>If skin or hair contact occurs:</li> <li>Flush skin and hair with running water (and soap if available).</li> <li>Seek medical attention in event of irritation.</li> </ul>
Inhalation	<ul> <li>If fumes or combustion products are inhaled remove from contaminated area.</li> <li>Lay patient down. Keep warm and rested.</li> <li>Prostheses such as false teeth, which may block airway, should be removed, where possible, prior to initiating first aid procedures.</li> <li>Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary.</li> <li>Transport to hospital, or doctor.</li> </ul>
Ingestion	<ul> <li>If swallowed do NOT induce vomiting.</li> <li>If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.</li> <li>Observe the patient carefully.</li> <li>Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.</li> <li>Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.</li> <li>Seek medical advice.</li> </ul>

4.2 Most important symptoms and effects, both acute and delayed See Section 11

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

As in all cases of suspected poisoning, follow the ABCDEs of emergency medicine (airway, breathing, circulation, disability, exposure), then the ABCDEs of toxicology (antidotes, basics, change absorption, change distribution, change elimination). For poisons (where specific treatment regime is absent):

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BASIC TREATMENT

- Establish a patent airway with suction where necessary.
- Watch for signs of respiratory insufficiency and assist ventilation as necessary.
- Administer oxygen by non-rebreather mask at 10 to 15 L/min.
- Monitor and treat, where necessary, for pulmonary oedema.
- Monitor and treat, where necessary, for shock.
- Anticipate seizures.
- DO NOT use emetics. Where ingestion is suspected rinse mouth and give up to 200 ml water (5 ml/kg recommended) for dilution where patient is able to swallow, has a strong gag reflex and does not drool.

ADVANCED TREATMENT

- Consider orotracheal or nasotracheal intubation for airway control in unconscious patient or where respiratory arrest has occurred.
- Positive-pressure ventilation using a bag-valve mask might be of use
- Monitor and treat, where necessary, for arrhythmias.
- Start an IV D5W TKO. If signs of hypovolaemia are present use lactated Ringers solution. Fluid overload might create complications.
- Drug therapy should be considered for pulmonary oedema.
  Hypotension with signs of hypovolaemia requires the cautious administration of fluids. Fluid overload might create complications.
- Treat seizures with diazepam.
- Proparacaine hydrochloride should be used to assist eye irrigation.

BRONSTEIN, A.C. and CURRANCE, P.L.

EMERGENCY CARE FOR HAZARDOUS MATERIALS EXPOSURE: 2nd Ed. 1994

### **SECTION 5 Firefighting measures**

#### 5.1. Extinguishing media

- There is no restriction on the type of extinguisher which may be used.
- Use extinguishing media suitable for surrounding area.

#### 5.2. Special hazards arising from the substrate or mixture

Fire Incompatibility None known.	
Fire Incompatibility None known.	

### 5.3. Advice for firefighters

Fire Fighting	<ul> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Wear breathing apparatus plus protective gloves in the event of a fire.</li> <li>Prevent, by any means available, spillage from entering drains or water courses.</li> <li>Use fire fighting procedures suitable for surrounding area.</li> <li>DO NOT approach containers suspected to be hot.</li> <li>Cool fire exposed containers with water spray from a protected location.</li> <li>If safe to do so, remove containers from path of fire.</li> <li>Equipment should be thoroughly decontaminated after use.</li> </ul>	
Fire/Explosion Hazard	<ul> <li>Non combustible.</li> <li>Not considered a significant fire risk, however containers may burn.</li> <li>May emit poisonous fumes.</li> </ul>	

#### **SECTION 6 Accidental release measures**

6.1. Personal precautions, protective equipment and emergency procedures

See section 8

#### 6.2. Environmental precautions

See section 12

#### 6.3. Methods and material for containment and cleaning up

Minor Spills	<ul> <li>Remove all ignition sources.</li> <li>Clean up all spills immediately.</li> <li>Avoid contact with skin and eyes.</li> <li>Control personal contact with the substance, by using protective equipment.</li> <li>Use dry clean up procedures and avoid generating dust.</li> <li>Place in a suitable, labelled container for waste disposal.</li> </ul>
Major Spills	<ul> <li>Clear area of personnel and move upwind.</li> <li>Alert Fire Brigade and tell them location and nature of hazard.</li> <li>Wear breathing apparatus plus protective gloves.</li> <li>Prevent, by any means available, spillage from entering drains or water course.</li> <li>Stop leak if safe to do so.</li> <li>Contain spill with sand, earth or vermiculite.</li> <li>Collect recoverable product into labelled containers for recycling.</li> <li>Neutralise/decontaminate residue (see Section 13 for specific agent).</li> <li>Collect solid residues and seal in labelled drums for disposal.</li> <li>Wash area and prevent runoff into drains.</li> <li>After clean up operations, decontaminate and launder all protective clothing and equipment before storing and re-using.</li> <li>If contamination of drains or waterways occurs, advise emergency services.</li> </ul>

### 6.4. Reference to other sections

Personal Protective Equipment advice is contained in Section 8 of the SDS.

# **SECTION 7 Handling and storage**

Safe handling	<ul> <li>Avoid all personal contact, including inhalation.</li> <li>Wear protective clothing when risk of exposure occurs.</li> <li>Use in a well-ventilated area.</li> <li>Prevent concentration in hollows and sumps.</li> <li>DO NOT enter confined spaces until atmosphere has been checked.</li> <li>DO NOT enter confined spaces until atmosphere has been checked.</li> <li>DO NOT allow material to contact humans, exposed food or food utensils.</li> <li>Avoid contact with incompatible materials.</li> <li>When handling, DO NOT eat, drink or smoke.</li> <li>Keep containers securely sealed when not in use.</li> <li>Avoid physical damage to containers.</li> <li>Always wash hands with soap and water after handling.</li> <li>Work clothes should be laundered separately. Launder contaminated clothing before re-use.</li> <li>Use good occupational work practice.</li> <li>Observe manufacturer's storage and handling recommendations contained within this SDS.</li> <li>Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.</li> </ul>
Fire and explosion protection	See section 5
Other information	<ul> <li>Store in original containers.</li> <li>Keep containers securely sealed.</li> <li>Store in a cool, dry, well-ventilated area.</li> <li>Store away from incompatible materials and foodstuff containers.</li> <li>Protect containers against physical damage and check regularly for leaks.</li> <li>Observe manufacturer's storage and handling recommendations contained within this SDS.</li> </ul>

### 7.2. Conditions for safe storage, including any incompatibilities

Suitable container	<ul> <li>Lined metal can, lined metal pail/ can.</li> <li>Plastic pail.</li> <li>Polyliner drum.</li> <li>Packing as recommended by manufacturer.</li> <li>Check all containers are clearly labelled and free from leaks.</li> <li>For low viscosity materials</li> <li>Drums and jerricans must be of the non-removable head type.</li> <li>Where a can is to be used as an inner package, the can must have a screwed enclosure.</li> <li>For materials with a viscosity of at least 2680 cSt. (23 deg. C) and solids (between 15 C deg. and 40 deg C.):</li> <li>Removable head packaging;</li> <li>Cans with friction closures and</li> <li>low pressure tubes and cartridges may be used.</li> <li>Where combination packages are used, and the inner packages are of glass, there must be sufficient inert cushioning material in contact with inner and outer packages *.</li> <li>In addition, where inner packagings are glass and contain liquids of packing group I and II there must be sufficient inert absorbent to absorb any spillage *.</li> <li>* unless the outer packaging is a close fitting moulded plastic box and the substances are not incompatible with the plastic.</li> </ul>
Storage incompatibility	None known
Hazard categories in accordance with Regulation (EC) No 2012/18/EU (Seveso III)	Not Available
Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of	Not Available

7.3. Specific end use(s)

See section 1.2

# SECTION 8 Exposure controls / personal protection

# 8.1. Control parameters

Ingredient	DNELs Exposure Pattern Worker	PNECs Compartment
Not Available	Not Available	Not Available

\* Values for General Population

### Occupational Exposure Limits (OEL)

INGREDIENT DATA						
Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Not Available	Not Available	Not Available	Not Available	Not Available	Not Available	Not Available
Not Applicable						
Ingredient	Original IDLH			Revised IDLH		

ingreaterit	Original IDEN	Revised IDEIT
3-(Trifluoromethyl)pyridine-2- thiol	Not Available	Not Available

### 8.2. Exposure controls

0.2. Exposure controls				
	Engineering controls are used to remove a hazard or place can be highly effective in protecting workers and will typica The basic types of engineering controls are: Process controls which involve changing the way a job acti Enclosure and/or isolation of emission source which keeps strategically 'adds' and 'removes' air in the work environme design of a ventilation system must match the particular pro Employers may need to use multiple types of controls to pr Local exhaust ventilation usually required. If risk of overexp protection. Supplied-air type respirator may be required in a An approved self contained breathing apparatus (SCBA) m Provide adequate ventilation in warehouse or closed storag	Ily be independent of worker interact vity or process is done to reduce th a selected hazard 'physically' away nt. Ventilation can remove or dilute ocess and chemical or contaminant event employee overexposure. posure exists, wear approved respir special circumstances. Correct fit is ay be required in some situations. ge area. Air contaminants generated	ctions to provide this high e risk. / from the worker and ver an air contaminant if des in use. ator. Correct fit is essenti essential to ensure adec d in the workplace posses	level of protection. ntilation that igned properly. The al to obtain adequate quate protection. ss varying 'escape'
	velocities which, in turn, determine the 'capture velocities' c	of fresh circulating air required to eff	fectively remove the conta	aminant.
	Type of Contaminant:			Air Speed:
	solvent, vapours, degreasing etc., evaporating from tank (	in still air).		0.25-0.5 m/s (50- 100 f/min.)
8.2.1. Appropriate	aerosols, fumes from pouring operations, intermittent cond drift, plating acid fumes, pickling (released at low velocity		ansfers, welding, spray	0.5-1 m/s (100- 200 f/min.)
engineering controls	direct spray, spray painting in shallow booths, drum filling, generation into zone of rapid air motion)			1-2.5 m/s (200- 500 f/min.)
	grinding, abrasive blasting, tumbling, high speed wheel ge very high rapid air motion).	enerated dusts (released at high init	tial velocity into zone of	2.5-10 m/s (500- 2000 f/min.)
	Within each range the appropriate value depends on:	1		
	Lower end of the range	Upper end of the range		
	1: Room air currents minimal or favourable to capture	1: Disturbing room air currents		
	2: Contaminants of low toxicity or of nuisance value only.	2: Contaminants of high toxicity		
	3: Intermittent, low production.	3: High production, heavy use		
	4: Large hood or large air mass in motion	4: Small hood-local control only		
8.2.2. Individual protection measures, such as personal protective equipment	a minimum of 1-2 m/s (200-400 f/min) for extraction of solv mechanical considerations, producing performance deficits multiplied by factors of 10 or more when extraction systems	within the extraction apparatus, ma		•
Eye and face protection	<ul> <li>Safety glasses with side shields.</li> <li>Chemical goggles. [AS/NZS 1337.1, EN166 or nationa</li> <li>Contact lenses may pose a special hazard; soft contact describing the wearing of lenses or restrictions on use, lens absorption and adsorption for the class of chemica should be trained in their removal and suitable equipmirrigation immediately and remove contact lens as soor irritation - lens should be removed in a clean environme. Intelligence Bulletin 59].</li> </ul>	t lenses may absorb and concentra should be created for each workpla als in use and an account of injury e ent should be readily available. In th n as practicable. Lens should be rer	ace or task. This should in experience. Medical and f he event of chemical expo moved at the first signs of	nclude a review of irst-aid personnel osure, begin eye eye redness or
Skin protection	See Hand protection below			
Hands/feet protection	The selection of suitable gloves does not only depend on the manufacturer. Where the chemical is a preparation of severadvance and has therefore to be checked prior to the applit. The exact break through time for substances has to be obter when making a final choice. Personal hygiene is a key element of effective hand care. Or washed and dried thoroughly. Application of a non-perfume Suitability and durability of glove type is dependent on usage . frequency and duration of contact,	ral substances, the resistance of the cation. ained from the manufacturer of the Sloves must only be worn on clean d moisturiser is recommended. ge. Important factors in the selection variable of the selection	e glove material can not l protective gloves and has hands. After using gloves n of gloves include: national equivalent). 5 or higher (breakthroug) ugh time greater than 60 punt when considering glo ended.	be calculated in s to be observed s, hands should be h time greater than minutes according to oves for long-term

	<ul> <li>be based on consideration of the task requirements and knowledge of breakthrough times.</li> <li>Glove thickness may also vary depending on the glove manufacturer, the glove type and the glove model. Therefore, the manufacturers technical data should always be taken into account to ensure selection of the most appropriate glove for the task.</li> <li>Note: Depending on the activity being conducted, gloves of varying thickness may be required for specific tasks. For example:</li> <li>Thinner gloves (down to 0.1 mm or less) may be required where a high degree of manual dexterity is needed. However, these gloves are only likely to give short duration protection and would normally be just for single use applications, then disposed of.</li> <li>Thicker gloves (up to 3 mm or more) may be required where there is a mechanical (as well as a chemical) risk i.e. where there is abrasion or puncture potential</li> <li>Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturiser is recommended.</li> <li>Wear chemical protective gloves, e.g. PVC.</li> <li>Wear safety footwear or safety gumboots, e.g. Rubber</li> </ul>
Body protection	See Other protection below
Other protection	<ul> <li>Overalls.</li> <li>Eyewash unit.</li> <li>Barrier cream.</li> <li>Skin cleansing cream.</li> </ul>

#### **Respiratory protection**

Type -P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Required Minimum Protection Factor	Half-Face Respirator	Full-Face Respirator	Powered Air Respirator
up to 10 x ES	P1 Air-line*	-	PAPR-P1 -
up to 50 x ES	Air-line**	P2	PAPR-P2
up to 100 x ES	-	P3	-
		Air-line*	-
100+ x ES	-	Air-line**	PAPR-P3

\* - Negative pressure demand \*\* - Continuous flow

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

· Respirators may be necessary when engineering and administrative controls do not adequately prevent exposures.

• The decision to use respiratory protection should be based on professional judgment that takes into account toxicity information, exposure measurement data, and frequency and likelihood of the worker's exposure - ensure users are not subject to high thermal loads which may result in heat stress or distress due to personal protective equipment (powered, positive flow, full face apparatus may be an option).

Published occupational exposure limits, where they exist, will assist in determining the adequacy of the selected respiratory protection. These may be government mandated or vendor recommended.

Certified respirators will be useful for protecting workers from inhalation of particulates when properly selected and fit tested as part of a complete respiratory protection
program.

• Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

· Use approved positive flow mask if significant quantities of dust becomes airborne.

· Try to avoid creating dust conditions.

#### 8.2.3. Environmental exposure controls

See section 12

#### **SECTION 9** Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Appearance	Not Available		
Physical state	Solid	Relative density (Water = 1)	Not Available
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Available	Decomposition temperature (°C)	Not Available
Melting point / freezing point (°C)	178-183	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Available
Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Available	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Applicable
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water	Not Available	pH as a solution (1%)	Not Available

Vapour density (Air = 1)	Not Available	VOC g/L	Not Available
Heat of Combustion (kJ/g)	Not Available	Ignition Distance (cm)	Not Available
Flame Height (cm)	Not Available	Flame Duration (s)	Not Available
Enclosed Space Ignition Time Equivalent (s/m3)	Not Available	Enclosed Space Ignition Deflagration Density (g/m3)	Not Available
Nanoform Solubility	Not Available	Nanoform Particle Characteristics	Not Available
Particle Size	Not Available		

9.2. Other information

Not Available

# **SECTION 10 Stability and reactivity**

10.1.Reactivity	See section 7.2
10.2. Chemical stability	<ul> <li>Unstable in the presence of incompatible materials.</li> <li>Product is considered stable.</li> <li>Hazardous polymerisation will not occur.</li> </ul>
10.3. Possibility of hazardous reactions	See section 7.2
10.4. Conditions to avoid	See section 7.2
10.5. Incompatible materials	See section 7.2
10.6. Hazardous decomposition products	See section 5.3

### **SECTION 11 Toxicological information**

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

The material is not thought to produce respiratory irrita dusts, or fumes, especially for prolonged periods, may Inhalation of dusts, generated by the material during th Accidental ingestion of the material may be damaging to The material is not thought to produce adverse health of models). Nevertheless, good hygiene practice requires occupational setting. Open cuts, abraded or irritated skin should not be expo Entry into the blood-stream, through, for example, cuts skin prior to the use of the material and ensure that any	produce respiratory discomfort ar the course of normal handling, may to the health of the individual. effects or skin irritation following of that exposure be kept to a minim posed to this material the abrasions or lesions, may produ	nd occasionally, distress. be damaging to the health of the individual. ontact (as classified by EC Directives using animal
The material is not thought to produce adverse health of models). Nevertheless, good hygiene practice requires occupational setting. Open cuts, abraded or irritated skin should not be expo Entry into the blood-stream, through, for example, cuts	effects or skin irritation following o that exposure be kept to a minim osed to this material , abrasions or lesions, may produ	
models). Nevertheless, good hygiene practice requires occupational setting. Open cuts, abraded or irritated skin should not be expo Entry into the blood-stream, through, for example, cuts	that exposure be kept to a minim osed to this material , abrasions or lesions, may produ	
	y external damage is suitably prot	
This material can cause eye irritation and damage in so	ome persons.	
TOXICITY Not Available	IRRITATION Not Available	
		stained from manufacturer's SDS. Unless otherwise
<b>~</b>	Carcinogenicity	×
×	Reproductivity	×
<b>v</b>	STOT - Single Exposure	×
×	STOT - Repeated Exposure	×
×	Aspiration Hazard	×
L a 1 s	ong-term exposure to the product is not thought to pro- nimal models); nevertheless exposure by all routes st TOXICITY Not Available	Not Available       Not Available         Not Available       Substances - Acute toxicity 2. Value of the productive of the pr

### 11.2 Information on other hazards

### 11.2.1. Endocrine disrupting properties

No evidence of endocrine disrupting properties were found in the current literature.

### 11.2.2. Other information

See Section 11.1

# **SECTION 12 Ecological information**

3-(Trifluoromethyl)pyridine-2- thiol	Endpoint	Test Duration (hr)	Species	Value	Source
	Not Available	Not Available	Not Available	Not Available	Not Available
Legend:		CLID Toxicity Data 2. Europe ECH			
		quatic Toxicity Data 5. ECETOC A tration Data 8. Vendor Data	Aquatic Hazard Assessment I	Data 6. NITE (Japan) - Bio	concentration Data 7. ME

# DO NOT discharge into sewer or waterways.

#### 12.2. Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
	No Data available for all ingredients	No Data available for all ingredients

### 12.3. Bioaccumulative potential

Ingredient	Bioaccumulation		
	No Data available for all ingredients		
12.4. Mobility in soil			

Ingredient	Mobility
	No Data available for all ingredients

#### 12.5. Results of PBT and vPvB assessment

	P	В	т	
Relevant available data	Not Available	Not Available	Not Available	
PBT	×	×	×	
vPvB	×	×	×	
PBT Criteria fulfilled?	No			
vPvB	No			

### 12.6. Endocrine disrupting properties

No evidence of endocrine disrupting properties were found in the current literature.

### 12.7. Other adverse effects

No evidence of ozone depleting properties were found in the current literature.

## **SECTION 13 Disposal considerations**

13.1. Waste treatment methods				
Product / Packaging disposal	<ul> <li>Recycle wherever possible or consult manufacturer for recycling options.</li> <li>Consult State Land Waste Management Authority for disposal.</li> <li>Bury residue in an authorised landfill.</li> <li>Recycle containers if possible, or dispose of in an authorised landfill.</li> </ul>			
Waste treatment options	Not Available			
Sewage disposal options	Not Available			

### **SECTION 14 Transport information**

#### Labels Required

	6
Marine Pollutant	NO
HAZCHEM	2X
Land transport (ADR-RID)	
14.1. UN number or ID number	2811

number			
14.2. UN proper shipping name	TOXIC SOLID, ORGANIC, N.O.S.		
14.3. Transport hazard class(es)	Class Subsidiary Hazard	6.1 Not Applicable	

14.4. Packing group	III		
14.5. Environmental hazard	Not Applicable		
	Hazard identification (Kemler)	60	
	Classification code	T2	
14.6. Special precautions for	Hazard Label	6.1	
user	Special provisions	274 614	
	Limited quantity	5 kg	
	Tunnel Restriction Code	E	

## Air transport (ICAO-IATA / DGR)

14.1. UN number	2811				
14.2. UN proper shipping name	Toxic solid, organic, n.o.s. *				
	ICAO/IATA Class 6.1				
14.3. Transport hazard class(es)	ICAO / IATA Subsidiary Hazard Not Applicable				
class(es)	ERG Code	6L			
14.4. Packing group	Ш				
14.5. Environmental hazard	Not Applicable				
	Special provisions		A3 A5		
	Cargo Only Packing Instructions		677		
	Cargo Only Maximum Qty / Pack		200 kg		
14.6. Special precautions for user	Passenger and Cargo Packing In	structions	670		
usei	Passenger and Cargo Maximum Qty / Pack		100 kg		
	Passenger and Cargo Limited Qu	antity Packing Instructions	Y645		
	Passenger and Cargo Limited Ma	aximum Qty / Pack	10 kg		

### Sea transport (IMDG-Code / GGVSee)

14.1. UN number	2811			
14.2. UN proper shipping name	TOXIC SOLID, ORGANIC, N.O.S.			
14.3. Transport hazard class(es)	IMDG Class     6.1       IMDG Subsidiary Hazard     Not Applicable			
14.4. Packing group	III			
14.5 Environmental hazard	Not Applicable			
14.6. Special precautions for user	EMS NumberF-A, S-ASpecial provisions223 274Limited Quantities5 kg			

### Inland waterways transport (ADN)

14.1. UN number	2811		
14.2. UN proper shipping name	TOXIC SOLID, ORGANIC, N.O.S.		
14.3. Transport hazard class(es)	6.1 Not Applicable		
14.4. Packing group	III		
14.5. Environmental hazard	Not Applicable		
	Classification code Special provisions	T2 274; 614; 802	
14.6. Special precautions for user	Limited quantity	5 kg	
usu	Equipment required	PP, EP	
	Fire cones number	0	

### 14.7. Maritime transport in bulk according to IMO instruments

14.7.1. Transport in bulk according to Annex II of MARPOL and the IBC code Not Applicable

# 14.7.2. Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Product name Group

Product name

Ship Type

Not Available

#### **SECTION 15 Regulatory information**

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

Additional Regulatory Information

#### Not Applicable

This safety data sheet is in compliance with the following EU legislation and its adaptations - as far as applicable - : Directives 98/24/EC, - 92/85/EEC, - 94/33/EC, - 2008/98/EC, - 2010/75/EU; Commission Regulation (EU) 2020/878; Regulation (EC) No 1272/2008 as updated through ATPs.

#### Information according to 2012/18/EU (Seveso III):

Seveso Category

#### 15.2. Chemical safety assessment

For further information please look at the Chemical Safety Assessment and Exposure Scenarios prepared by your Supply Chain if available.

#### National Inventory Status

National Inventory	Status
Australia - AIIC / Australia Non- Industrial Use	Not Available
Canada - DSL	Not Available
Canada - NDSL	Not Available
China - IECSC	Not Available
Europe - EINEC / ELINCS / NLP	Not Available
Japan - ENCS	Not Available
Korea - KECI	Not Available
New Zealand - NZIoC	Not Available
Philippines - PICCS	Not Available
USA - TSCA	Not Available
Taiwan - TCSI	Not Available
Mexico - INSQ	Not Available
Vietnam - NCI	Not Available
Russia - FBEPH	Not Available
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.

#### **SECTION 16 Other information**

Revision Date	16/05/2022
Initial Date	16/05/2022

#### Full text Risk and Hazard codes

### Other information

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

For detailed advice on Personal Protective Equipment, refer to the following EU CEN Standards:

EN 166 Personal eye-protection EN 340 Protective clothing

EN 374 Protective gloves against chemicals and micro-organisms

EN 13832 Footwear protecting against chemicals

EN 133 Respiratory protective devices

### Definitions and abbreviations

- PC TWA: Permissible Concentration-Time Weighted Average
- PC STEL: Permissible Concentration-Short Term Exposure Limit
- IARC: International Agency for Research on Cancer
- ACGIH: American Conference of Governmental Industrial Hygienists
- STEL: Short Term Exposure Limit
- TEEL: Temporary Emergency Exposure Limit.
- IDLH: Immediately Dangerous to Life or Health Concentrations
- ES: Exposure Standard
- OSF: Odour Safety Factor
- NOAEL: No Observed Adverse Effect Level
- LOAEL: Lowest Observed Adverse Effect Level
- TLV: Threshold Limit Value
- LOD: Limit Of Detection
- OTV: Odour Threshold Value
- BCF: BioConcentration Factors
- BEI: Biological Exposure Index
- DNEL: Derived No-Effect Level
- PNEC: Predicted no-effect concentration

- AllC: Australian Inventory of Industrial Chemicals
- DSL: Domestic Substances List
- NDSL: Non-Domestic Substances List
- IECSC: Inventory of Existing Chemical Substance in China
- EINECS: European INventory of Existing Commercial chemical Substances
   ELINCS: European List of Notified Chemical Substances
   NLP: No-Longer Polymers
   ENCS: Existing and New Chemical Substances Inventory

- KECI: Korea Existing Chemicals Inventory
- NZIoC: New Zealand Inventory of Chemicals PICCS: Philippine Inventory of Chemicals and Chemical Substances
   TSCA: Toxic Substances Control Act
- TCSI: Taiwan Chemical Substance Inventory
- INSQ: Inventario Nacional de Sustancias Químicas
- NCI: National Chemical Inventory
- FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

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