

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier	
Product Name	5-Fluorobenzoxazole-2-thiol
Synonyms	2-Mercapto-5-fluorobenzoxazole, 5-Fluoro-2-mercaptobenzoxazole, 5-Fluoro-2(3H)- benzoxazolethiene
Chemical Name	5-Fluoro-1,3-benzoxazole-2(3H)-thione
Chemical Formula	C7H4FNOS
CAS No.	13451-78-0
EC No.	Not available.
Index No.	Not available.
REACH Registration No.	Not applicable.
1.2 Relevant identified uses of the sul	bstance or mixture and uses advised against
Identified Use(s)	PC21 Laboratory chemicals, Research and development use only

1.3 Details of the supplier of the safety data sheet

Company Identification	Ossila Limited
Address of Supplier	Solpro Business Park
	Windsor Street
	Sheffield
Postal code	S4 7WB, UK
Telephone:	+441142999180
E-mail	info@ossila.com
Office hours	08:00 - 17:00
1.4 Emergency telephone number	
Emergency Phone #	+44 (0) 20 3885 0382 (CHEMTREC)

Other Regions	Emergency Phone Number (CHEMTREC)
Europe, Middle East, Africa	+44 20 3885 0382
North America	+1 703 527 3887
Central America	+52 55 8526 4930
South America	+55 11 4349 1359
Asia, India, and Oceania	+65 3163 8374

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or Regulation (EC) No. 1272/2008 (CLP)	mixture Acute Tox. 4: Harmful if swallowed Eye Dam. 1: Causes serious eye damage
2.2 Label elements	
Product Name	According to Regulation (EC) No. 1272/2008 (CLP) 5-Fluorobenzoxazole-2-thiol
Hazard Pictogram(s)	GHS05 GHS07
Signal Word(s)	Danger
Hazard Statement(s)	H302: Harmful if swallowed H318: Causes serious eye damage
Precautionary Statement(s)	 P280: Wear protective gloves/protective clothing/eye protection. P301 + P312 + P330: IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell. Rinse mouth. P305 + P310 + P351 + P338: IF IN EYES: Immediately call a POISON CENTER or doctor. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. **2.4 Additional Information**

Not applicable.



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances				
Hazardous ingredient(s)	CAS No.	EC No.	%W/W	Hazard Statement(s)
5-Fluoro-1,3-benzoxazole-	13451-78-0	Not available.	≤ 100	Acute Tox. 4 H302
2(3H)-thione				Eye Dam. 1 H318
3.2 Mixtures		a construction of the second s		
Not applicable.				
SECTION 4: FIRST AID MEA	SURES			
4.1 Description of first aid n	neasures			
General Advice		aiders should ensu	ure they have take	n adequate steps to protect themselves
				ended personal protection equipment)
		w this safety data s		
Inhalation				nfortable for breathing. Get medical
Skin Contact		ce/attention if you for		ure not modical advice (attention
Skin Contact				urs, get medical advice/attention. at least 15 minutes. Remove contact
Eye Contact				ie rinsing. Call a POISON CENTER or
		or/physician.		Standing. Can all CIGON CENTER OF
Ingestion			ater. Get medical	advice/attention if you feel unwell.
4.2 Most important sympton	ms and effects, b	both acute and del	layed	
				th acute and delayed, are included on
		lling (Section 2.2) a		
4.3 Indication of any immed			treatment neede	d
	Irea	t symptomatically.		
SECTION 5: FIREFIGHTING	MEASURES			
5.1 Extinguishing modia				
5.1 Extinguishing media Suitable Extinguishing media	Ac. c	ppropriate for surro	unding fire	
Unsuitable extinguishing media		ppropriate for surro		
5.2 Special hazards arising	from the substa			
		on oxides		
	Hydi	ogen fluoride		
	Nitro	gen oxides (NOx)		
	Sulfu	ur oxides		
5.3 Advice for firefighters		<i>.</i>		
		0	ar complete protec	tive clothing including self-contained
	brea	thing apparatus.		
SECTION 6: ACCIDENTAL R	ELEASE MEASU	JRES		
6.1 Personal precautions, p	rotective equipn	nent and emergen	cy procedures	
				protective equipment recommendations
	(I	per section 8). Prov	ide adequate vent	ilation.
6.2 Environmental precaution		d release to the en	vironment	
6.3 Methods and material for			VII OFIITI C TIL.	
the methods and material it			ance - avoid makii	ng dust. Use vacuum equipment for
				le. Dispose of contents in accordance with
		, state or national le		
6.4 Reference to other section	ons		-	
	See	Also Section 8, 13	i.	
SECTION 7: HANDLING AND	O STORAGE			
7.1 Precautions for safe har Advice on safe handling	•	d inhalation indext	ion and contact w	ith skin and eyes. Use only in a well-
Aurice on sale handling		ilated area. Wear p		
Hydiana massures		•	0	inds after handling, before breaks, and at
Hygiene measures		o away from food a and of workday.	nu unnk. wasn ha	nus alter handling, before breaks, and at
7.2 Conditions for safe stor			26	
	stor	e in a well-ventilate	d place. Keep con	tainer tightly closed.
Storage temperature	3-5 °		- p	
Storage life		luct is air sensitive.	Handle and store	under inert gas.
Incompatible materials		e known.		-
7.3 Specific end use(s)				
	Apar	t from the uses me	ntioned in section	1.2 no other specific uses are stipulated



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1	Control	parameters
0.1	00111101	parameters

8.1.1	Occupational	Exposure Limits	
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	No Occupational Exposure Limit assigned.
8.2 Exposure controls	
8.2.1. Appropriate engineering controls	Ensure adequate ventilation and/or exhaust. A washing facility/water for eye and skin cleaning purposes should be present.
8.2.2. Personal protection equipment	
Eye Protection	Wear eye protection with side protection tested and approved under appropriate government standards such as EN166 (EU).
Hand protection	Handle with gloves. Gloves must be inspected prior to use and proper glove removal techniques should be used. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.
Body protection	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.
Respiratory protection	Where risk assessment shows air-purifying respirators are appropriate use a full- face particle respirator type N99 (US) or type P2 (EN 143) respirator cartridges as a backup to engineering controls.
Thermal hazards	None known.
8.2.3. Environmental Exposure Controls	Avoid release to the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

9.1 Information on basic physical and	• •
Physical State	Solid: Powder.
Colour	Off-White.
Odour	Not known.
Odour threshold	Not known.
Melting point/freezing point	238 – 240 °C
Initial boiling point and boiling range	Not known.
Flammability	Not known.
Lower and upper explosion limit	Not known.
Flash Point	Not known.
Auto-ignition temperature (°C)	Not known.
Decomposition temperature (°C)	Not known.
рН	Not known.
Kinematic viscosity	Not known.
Solubility(ies)	Solubility (Water): Not known.
	Solubility (Other): Not known.
Partition coefficient: n-octanol/water (log	Not known.
value)	
Vapour pressure	Not known.
Density	Not known.
Relative density	Not known.
Relative vapour density	Not known.
Particle characteristics	Not known.
9.2 Other information	
	None.
SECTION 10: STABILITY AND REACTIV	

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10.1 Reactivity	
•	None anticipated.
10.2 Chemical Stability	
	Stable under recommended storage conditions.
10.3 Possibility of hazardous reaction	IS
	Not known.
10.4 Conditions to avoid	
	Not known.
10.5 Incompatible materials	
	Not known.
10.6 Hazardous decomposition produ	icts
	In the event of fire: see Section 5

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effe	cts
Acute toxicity - Ingestion	No data available.
Acute toxicity - Skin Contact	No data available.
Acute toxicity - Inhalation	No data available.
Skin corrosion/irritation	No data available.
Serious eye damage/irritation	No data available.



Skin sensitization data	No data available.
Respiratory sensitization data	No data available.
Germ cell mutagenicity	No data available.
Carcinogenicity Reproductive toxicity	No data available. No data available.
Lactation	No data available.
STOT - single exposure	No data available.
STOT - repeated exposure	No data available.
Aspiration hazard	No data available.
11.2 Information on other hazards	
11.2.1 Endocrine disrupting properties	None known.
11.2.2. Information on other hazards	None known.
	None known.
SECTION 12: ECOLOGICAL INFORMA	τιον
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12.1 Toxicity	
	No data available.
Toxicity - Aquatic invertebrates	No data available. No data available.
Toxicity - Fish Toxicity - Algae	No data available.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.
12.2 Persistence and Degradation	
_	Not known.
12.3 Bioaccumulative potential	Alet Learner
12.4 Mobility in soil	Not known.
	Not known.
12.5 Results of PBT and vPvB assess	
	This substance/mixture contains no components considered to be either persistent,
	bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative
	(vPvB) at levels of 0.1% or higher.
12.6 Endocrine disrupting properties	Not known.
	NOU KHOWH.
12.7 Other adverse effects	
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concerning the export and import of hazardous chemicals **National regulations** Other **15.2 Chemical Safety Assessment**

A REACH chemical safety assessment has not been carried out.

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

Not known.

LEGEND

Disclaimers

ADN : European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR : European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS : Chemical Abstracts Service
CLP : Regulation (EC) No 1272/2008 on classification, labelling and packaging of
substances and mixtures
DNEL : Derived No Effect Level
EC : European Community
EINECS : European Inventory of Existing Commercial Chemical Substances
IATA : International Air Transport Association
IBC : Intermediate Bulk Container
ICAO : International Civil Aviation Organization
IMDG : International Maritime Dangerous Goods
LTEL : Long term exposure limit
PBT : Persistent, Bioaccumulative and Toxic
PNEC : Predicted No Effect Concentration
REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals
RID : Regulations concerning the International Carriage of Dangerous Goods by Rail
STEL : Short term exposure limit
STOT : Specific Target Organ Toxicity
UN : United Nations
vPvB : very Persistent and very Bioaccumulative
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