

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 Synonyms Chemical Name Chemical Formula CAS No. EC No.	2-(Difluoromethyl)benzimidazole 2-(Difluoromethyl)-1H-benzomidazole 2-(Difluoromethyl)-1H-benzimidazole C8H6N2F2 705-09-9 Not available.		
Index No.	Not available.		
REACH Registration No.	Not applicable.		
1.2 Relevant identified uses of the substance 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		

Office hours **1.4 Emergency telephone number** Emergency Phone

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	

+44 (0) 20 3885 0382 (CHEMTREC)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or Regulation (EC) No. 1272/2008 (CLP)	mixture Skin Irrit. 2: Causes skin irritation Skin Sens. 1: May cause an allergic skin reaction Eye Irrit. 2: Causes serious eye irritation STOT SE 3: May cause respiratory irritation
2.2 Label elements	According to Regulation (EC) No. 1272/2008 (CLP)
Product Name	2-(Difluoromethyl)benzimidazole
Hazard Pictogram(s)	GHS07
Signal Word(s)	Warning
Hazard Statement(s)	H315: Causes skin irritation H317: May cause an allergic skin reaction H319: Causes serious eye irritation H335: May cause respiratory irritation
Precautionary Statement(s)	 P264: Wash hands thoroughly after handling. P302 + P352 + P333 + P313: IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312: Call a POISON CENTER or doctor if you feel unwell. P337 + P313: If eye irritation persists: Get medical advice/attention.



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)
2-(Difluoromethyl)-1H- benzimidazole	705-09-9	Not available.	<= 100	Skin Irrit. 2 H315 Skin Sens. 1 H317
Denzimiuazoie				Eye Irrit. 2 H319
				STOT SE 3 H335
3.2 Mixtures				
Not applicable.				
SECTION 4: FIRST AID MEA	SURES			
4.1 Description of first aid n	neasures			
General Advice	First aid			lequate steps to protect themselves
				led personal protection equipment)
Inhalation		is safety data sheet to person to fresh air ar		table for breathing. Get medical
		attention if you feel un		
Skin Contact	Rinse sl	kin with water. If skin i	rritation occurs,	get medical advice/attention.
Eye Contact				es. Remove contact lenses, if present
Ingestion		y to do. Continue rinsi		ice/attention if you feel unwell.
4.2 Most important sympton				
,,	Most im	portant symptoms and		cute and delayed, are included on
		(Section 2.2) and in S		
4.3 Indication of any immed		on and special treati mptomatically.	ment needed	
		mpiomatically.		
SECTION 5: FIREFIGHTING	MEASURES			
5.1 Extinguishing media				
Suitable Extinguishing media		opriate for surrounding		
Unsuitable extinguishing medi 5.2 Special hazards arising		opriate for surrounding	g fire.	
5.2 Special flazarus arising	Carbon			
		en fluoride		
	Nitroger	n oxides (NOx)		
5.3 Advice for firefighters	Eiro fiak	tora abould woor com	plata protostiva	olothing including calf contained
		ig apparatus.	piete protective	clothing including self-contained
		• • • •		
SECTION 6: ACCIDENTAL R				
6.1 Personal precautions, p	rotective equipmen	t and emergency pro	nd personal pro	tective equipment recommendations
		section 8). Provide ad		
6.2 Environmental precaution			equate vortilation	
-	Avoid re	elease to the environm	ient.	
6.3 Methods and material fo	r containment and	cleaning up		
				lust. Use vacuum equipment for Dispose of contents in accordance with
		ate or national legislat		hispose of contents in accordance with
6.4 Reference to other section		ale of fighterial logislat		
	See Als	o Section 8, 13.		
SECTION 7: HANDLING AND	STORAGE			
7.1 Precautions for safe har	ndlina			
Advice on safe handling		halation, ingestion, ar	nd contact with s	skin and eyes. Use only in a well-
Ŭ		ed area. Wear protecti		
Hygiene measures			nk. Wash hands	after handling, before breaks, and at
		of workday.		
7.2 Conditions for safe stora			a Kaon contain	er tightly closed
Store in a well-ventilated place. Keep container tightly closed. Ambient.				
	7 (110)011			



Incompatible materials

7.3 Specific end use(s)

Storage life

Stable under normal conditions. None known.

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters 8.1.1 Occupational Exposure Limits	
	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

on monaton on baolo phycloar a	
Physical State	Solid: Powder.
Colour	White/Off-White.
Odour	Not known.
Odour threshold	Not known.
Melting point/freezing point	155-157 °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 (lo	g 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 REACTIVITY

10.1	Reactivity		
10 2	Chemical Stability	None anticipated.	
		Stable under recommended storage conditions.	
10.3	0.3 Possibility of hazardous reactions		
		Not known.	
10.4	Conditions to avoid		
		Not known.	
10.5	Incompatible materials		
	·	Not known.	
10.6	0.6 Hazardous decomposition products		
		In the event of fire: see Section 5	



SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effec	ts
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	No data available.
Reproductive toxicity	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.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	
-	No data available.
Toxicity - Aquatic invertebrates	No data available.
Toxicity - Fish	No data available.
Toxicity - Algae	No data available.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.
12.2 Persistence and Degradation	
10.2. Disconstructive metantial	Not known.
12.3 Bioaccumulative potential	Not known.
12.4 Mobility in soil	NUL KIUWII.
12.4 Wobinty In Soli	Not known.
12.5 Results of PBT and vPvB asse	
	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.
2.6 Endocrine disrupting properti	
	Not known.
2.7 Other adverse effects	
	Not known.
SECTION 13: DISPOSAL CONSIDER	ATIONS
13.1 Waste treatment methods	
	Dispose of contents in accordance with local, state or national legislation. Recycle
	only completely emptied packaging. Normal disposal is via incineration operated by
	an accredited disposal contractor. Send to a licensed recycler, reclaimer or
	incinerator.
3.2 Additional Information	Discover the bould be for a second and with the set of state on an thread the side for
	Disposal should be in accordance with local, state or national legislation.
SECTION 14: TRANSPORT INFORM	ATION
IATA/IMO/RID/ADR	Not classified as hazardous for transport.
SECTION 15: REGULATORY INFOR	MATION
	ntal regulations/legislation specific for the substance or mixture
European Regulations - Authorisatio	
Candidate List of Substances of Very	Not listed
High Concern for Authorisation	

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

 European Regulations - Authorisations and/or Restrictions On Use

 Candidate List of Substances of Very
 Not listed

 High Concern for Authorisation
 Not listed

 REACH: ANNEX XIV list of substances on the substance or mixture
 Not listed

 Note:
 Not listed

 Subject to authorisation
 Not listed

 REACH: Annex XVII Restrictions on the market and use of certain dangerous substances, mixtures and articles
 Not listed



Community Rolling Action Plan (CoRAP) Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants	Not listed Not listed
Regulation (EC) N° 1005/2009 on	Not listed
substances that deplete the ozone layer	
Regulation (EU) N° 649/2012 of the	Not listed
European Parliament and of the Council	
concerning the export and import of	
hazardous chemicals	
National regulations	Net las sous
Other	Not known.
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:

LEGEND

Acronyms	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 : Internediate 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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