

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	1,4-Di(pyridin-4-yl)benzene			
Synonyms	DPyBz, 4,4'-(1,4-Phenylene)bispyridine, 1,4-Di(pyridin-4-yl)benzene			
Chemical Name	1,4-Di(4-pyridyl)benzene			
Chemical Formula	C16H12N2			
CAS No.	113682-56-7			
EC No.	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			

info@ossila.com

08:00 - 17:00

Telephone: E-mail 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 Eye Irrit. 2: Causes serious eye irritation STOT SE 3: May cause respiratory irritation Aquatic Chronic 3: Harmful to aquatic life with long lasting effects
2.2 Label elements	
Product Name	According to Regulation (EC) No. 1272/2008 (CLP) 1,4-Di(pyridin-4-yl)benzene
Hazard Pictogram(s)	GHS07
Signal Word(s)	Warning
Hazard Statement(s)	H315: Causes skin irritation H319: Causes serious eye irritation H335: May cause respiratory irritation H412: Harmful to aquatic life with long lasting effects
Precautionary Statement(s)	 P302 + P352: IF ON SKIN: Wash with plenty of water. 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. P273: Avoid release to the environment.
2.3 Other hazards	

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/IN 3.1 Substances Hazardous ingredient(s)	CAS No.	N INGREDIENTS		
hazaluous ingleulerii(s)		EC No.	%W/W	Hazard Statement(s)
1,4-Di(4-pyridyl)benzene	113682-56-7	Not available.	≤ 100	Skin Irrit. 2 H315 Eye Irrit. 2 H319 STOT SE 3 H335 Aquatic Chronic 3 H412
3.2 Mixtures Not applicable.				
SECTION 4: FIRST AID MEAS	URES			
4.1 Description of first aid me	easures			
General Advice	First a from e	exposure (see Sec		adequate steps to protect themselves inded personal protection equipment)
Inhalation	Remo advic	ove person to fresh e/attention if you fe	air and keep comf el unwell.	ortable for breathing. Get medical
Skin Contact Eye Contact	Rinse Rinse	skin with water. If cautiously with wa	skin irritation occur ater for several min	rs, get medical advice/attention. utes. Remove contact lenses, if present
Ingestion		asy to do. Continue out mouth with wa		dvice/attention if you feel unwell.
4.2 Most important symptom	s and effects, be	oth acute and dela	ayed	acute and delayed, are included on
	labelli	ng (Section 2.2) ar	nd in Section 11.	-
4.3 Indication of any immedia		symptomatically.	treatment needed	1
SECTION 5: FIREFIGHTING M	IEASURES			
 5.1 Extinguishing media Suitable Extinguishing media Unsuitable extinguishing media 5.2 Special hazards arising from the second second	As ap rom the substan Carbo	on oxides		
E 2 Advice for firefighters	Nitrog	jen oxides (NOx)		
5.3 Advice for firefighters		ghters should wea	r complete protecti	ve clothing including self-contained
SECTION 6: ACCIDENTAL RE	LEASE MEASU	RES		
6.1 Personal precautions, pro	otective equipm	ent and emergend	cy procedures	protective equipment recommendations
	(as pe		de adequate ventila	
6.2 Environmental precaution		release to the env	ironment.	
6.3 Methods and material for	Swee collec	p up spilled substa	, where practicable	g dust. Use vacuum equipment for . Dispose of contents in accordance with
6.4 Reference to other sectio	ns	Also Section 8, 13.	0	
SECTION 7: HANDLING AND	STORAGE			
7.1 Precautions for safe hand	dling			
Advice on safe handling	Avoid		on, and contact with otective clothing as	h skin and eyes. Use only in a well- s per section 8.
Hygiene measures		away from food an nd of workday.	nd drink. Wash han	ds after handling, before breaks, and at
7.2 Conditions for safe storage	ge, including an	y incompatibilitie		ainer tightly closed.
Storage temperature	3-5 °C)		
Storage life Incompatible materials 7.3 Specific end use(s)		ict is air sensitive. I known.	Handle and store u	inαer ineπ gas.
	Apart	from the uses mer	ntioned in section 1	.2 no other specific uses are stipulated



SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

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

Physical State	Solid: Powder.
Colour	White.
Odour	Not known.
Odour threshold	Not known.
Melting point/freezing point	193 °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 value)	Not known.
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.

10.1 Reactivity		
-	None anticipated.	
10.2 Chemical Stability		
-	Stable under recommended storage conditions.	
10.3 Possibility of hazardous r	eactions	
-	Not known.	
10.4 Conditions to avoid		
	Not known.	
10.5 Incompatible materials		
	Not known.	
10.6 Hazardous decomposition	n products	
	In the event of fire: see Section 5	

11.1 Information on toxicological effects

The information on toxicological effect	10
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. No data available.
STOT - single exposure 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	ΓΙΟΝ
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 12.2 Persistence and Degradation	Not classified.
12.2 Tersistence and Degradation	Not known.
12.3 Bioaccumulative potential	
-	Not known.
12.4 Mobility in soil	
12.5 Results of PBT and vPvB assess	Not known.
12.5 Results of FBT and VFVB assessi	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	
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Regulation (EU) N° 649/2012 of the European Parliament and of the Council concerning the export and import of hazardous chemicals National regulations	Not listed
Other 15.2 Chemical Safety Assessment	Not known.
13.2 Chemical Salety 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 : 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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