

Office hours

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	4,4'-Bis(4-aminophenoxy)biphenyl(BAPB)		
Synonyms	4,4'-(1,1'-Biphenyl-4,4'-diyldioxy)dianiline		
Chemical Name	4,4'-Bis(4-aminophenoxy)biphenyl		
Chemical Formula	C24H20N2O2		
CAS No.	13080-85-8		
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		
E-mail	info@ossila.com		

08:00 - 17:00

1.4 Emergency telephone number
Emergency Phone #+44 (0) 20 3885 0382 (CHEMTREC)Other RegionsEmergency Phone Number (CHEMTREC)Europe, Middle East, Africa+44 20 3885 0382North America+1 703 527 3887Central America+52 55 8526 4930South America+55 11 4349 1359Asia, India, and Oceania+65 3163 8374

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
2.2 Label elements	
Product Name	According to Regulation (EC) No. 1272/2008 (CLP) 4,4'-Bis(4-aminophenoxy)biphenyl(BAPB)
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
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.



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

14:Big4- minophenoxy)biphenyl 13080-85-8 Not available. \$ 100 Skin Intr. 2 H315 EVE (Fir. 2 H319 STOT SE 3 H336 2 Mixtures lot applicable. 100 Skin Intr. 2 H315 STOT SE 3 H336 2 Mixtures lot applicable. First aiders should ensure they have taken adequate steps to protect themselves from exposure (see Section 8 for recommended personal protection equipment) Show this safety data sheet to the doctor in attendance. halation Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you below the inset. yee Contact Rines askin with water. If skin infration occurs, get medical advice/attention. Rines askin with water. Get medical advice/attention if you feel unwell. 2 Most important symptoms and effects, both accute and delayed, are included on lasting (Section 2.2) with Section 11. 3 Indication of any immediate medical attention and spacial treatment needed Treat symptomatically. 1 Extinguishing media busuble Extinguishing media a. As appropriate for surrounding fire. As appropriate for surrounding fire. As appropriate for surrounding fire. Solutable Extinguishing media busuble Extinguishing media a. As appropriate for surrounding fire. As appropri	3.1 Substances				
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Storage temperature Ambient.	7.2 Conditions for safe storage	je, including any i	ncompatibilities	Keen containe	er tightly closed
	Storage temperature				or againy blobba.
	Storage life			3.	



SAFETY DATA SHEET

Incompatible materials	None known.		
7.3 Specific end use(s)	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated		
SECTION 8: EXPOSURE CONTROLS/P	ERSONAL 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
Physical State	Solid: Powder.
Colour	White/Pale Reddish Grey.
Odour	Not known.
Odour threshold	Not known.
Melting point/freezing point	197-200 °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 REACTIVITY

10.1	Reactivity
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10.2 Chemical Stability	None anticipated.
10.2 Chemical Stability	Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions	6
-	Not known.
10.4 Conditions to avoid	
	Not known.
10.5 Incompatible materials	
•	Not known.
10.6 Hazardous decomposition produce	cts
	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. Not classified.
Toxicity - Sediment Compartment Toxicity - Terrestrial Compartment	Not classified.
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	
	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
12.6 Endocrine disrupting propertie	(vPvB) at levels of 0.1% or higher.
12.0 Endocrine disrupting propertie	Not known.
12.7 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.
13.2 Additional Information	Dispessed should be in secondance with level, state or notice all scielation
	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
CECTICA 13. REGULATORT INFOR	
15.1 Safety, health and environmen	ntal regulations/legislation specific for the substance or mixture
European Regulations - Authorisation	
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
 Not listed

 subject to authorisation
 Not listed

 manufacture, placing 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 European Parliament and of the Council	Not listed
concerning the export and import of	
hazardous chemicals	
National regulations	
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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