

2,2-BIS[4-(4-AMINOPHENOXY)PHENYL]HEXAFLUOROPROPANE

Page: 1 Compilation date: 27/07/2004 Revision date: 05/12/2013 Revision No: 2

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name:2,2-BIS[4-(4-AMINOPHENOXY)PHENYL]HEXAFLUOROPROPANECAS number:69563-88-8Product code:PC1225Synonyms:4,4'-[(1,1,1,3,3,3-HEXAFLUOROPROPANE-2,2-DIYL)BIS(BENZENE-4,1-DIYLOXY)]DIANILINE
BIS-AF-A

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

1.3. Details of the supplier of the safety data sheet

Company name: Apollo Scientific Ltd Units 3 & 4 Parkway Denton Manchester M34 3SG UK Tel: 0161 337 9971 Fax: 0161 336 6932 Email: david.tideswell@apolloscientific.co.uk

1.4. Emergency telephone number

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CHIP:	Xn: R22; Xi: R36/37/38
Classification under CLP:	Acute Tox. 4: H302; STOT SE 3: H335; Eye Irrit. 2: H319; Skin Irrit. 2: H315
Most important adverse effects:	Harmful if swallowed. Irritating to eyes, respiratory system and skin.

2.2. Label elements

Label elements under CLP:	
Hazard statements:	H302: Harmful if swallowed.
	H315: Causes skin irritation.
	H319: Causes serious eye irritation.
	H335: May cause respiratory irritation.
Signal words:	Warning

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 Hazard pictograms:
 GHS07: Exclamation mark

 Image: Precautionary statements:
 P271: Use only outdoors or in a well-ventilated area.

 P200: Wear protective gloves/protective clothing/eye protection/face protection.

 Label elements under CHIP:

 Hazard symbols:

 Hazard symbols:

 Fisk phrase:

 R6/37/38: Irritating to eyes, respiratory system and skin.

 Safety phrase:

 Safety phrase:

 S2: Do not breathe dust.

 S2: Near suitable protective clothing, gloves and eye / face protection.

PBT: This substance is not identified as a PBT substance.

Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity: 2,2-BIS[4-(4-AMINOPHENOXY)PHENYL]HEXAFLUOROPROPANE

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.
Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact:There may be irritation and redness at the site of contact.Eye contact:There may be irritation and redness. The eyes may water profusely.Ingestion:There may be soreness and redness of the mouth and throat.Inhalation:There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / **immediate effects:** Immediate effects can be expected after short-term exposure.

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4.3. Indication of any immediate	e medical attention and special treatment needed		
Immediate / special treatment:	Not applicable.		
Section 5: Fire-fighting measur	es		
5.1. Extinguishing media			
Extinguishing media:	Carbon dioxide, dry chemical powder, foam. Suitable extinguishing media for the		
	surrounding fire should be used.		
5.2. Special hazards arising from			
Exposure bazards:	In combustion emits toxic fumes of carbon dioxide / carbon monoxide. Hydrogen fluoride		
	(HF).		
5.3. Advice for fire-fighters			
Advice for fire-fighters:	Wear self-contained breathing apparatus. Wear protective clothing to prevent contact		
Advice for the lighterer	with skin and eyes.		
Section 6: Accidental release m			
· · · · ·	ective equipment and emergency procedures		
Personal precautions:	Refer to section 8 of SDS for personal protection details. If outside do not approach from		
	downwind. If outside keep bystanders upwind and away from danger point. Mark out the		
	contaminated area with signs and prevent access to unauthorised personnel. Do not create dust.		
6.2. Environmental precautions			
-	Do not discharge into drains or rivers.		_
6.3. Methods and material for c	ontainment and cleaning up		
Clean-up procedures:	Transfer to a closable, labelled salvage container for disposal by an appropriate		
	method.		
6.4. Reference to other sections	3		
Reference to other sections:	Refer to section 8 of SDS.		
Section 7: Handling and storag	e		
7.1. Precautions for safe handli	ng		
Handling requirements:	Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area.		
	Do not handle in a confined space. Avoid the formation or spread of dust in the air. Only		
	use in fume hood.		
7.2. Conditions for safe storage	, including any incompatibilities		
Storage conditions:	Store in cool, well ventilated area. Keep container tightly closed.		

Suitable packaging: Must only be kept in original packaging.

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7.3. Specific end use(s)		
Specific end use(s):	No data available.	
Section 8: Exposure controls/pe	ersonal protection	
8.1. Control parameters		
Workplace exposure limits:	No data available.	
8.2. Exposure controls		
Engineering measures:	Ensure there is sufficient ventilation of the area.	
	Self-contained breathing apparatus must be available in case of emergency. Respiratory	
	protective device with particle filter.	
Hand protection:		
-	Safety glasses. Ensure eye bath is to hand.	
Skin protection:	Protective clothing.	
Section 9: Physical and chemic	al properties	
9.1. Information on basic physic	al and chemical properties	
State:	Solid	
Colour:	Pale brown	
Oxidising:	Non-oxidising (by EC criteria)	
Melting point/range °C:	159-163	
9.2. Other information		
Other information:	No data available.	
Section 10: Stability and reactiv	ity	
10.1. Reactivity		
Reactivity:	Stable under recommended transport or storage conditions.	
10.2. Chemical stability		
Chemical stability:	Stable under normal conditions.	
10.3. Possibility of hazardous re	actions	

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

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10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide. Hydrogen fluoride

(HF).

Section 11: Toxicological information

11.1. Information on toxicological effects

Relevant hazards for substance:

Hazard	Route	Basis
Acute toxicity (ac. tox. 4)	ING	Based on test data
Skin corrosion/irritation	DRM	Based on test data
Serious eye damage/irritation	OPT	Based on test data
STOT-single exposure	INH	Based on test data

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing.

Delayed / immediate effects: Immediate effects can be expected after short-term exposure.

Section 12: Ecological information

12.1. Toxicity

Ecotoxicity values: No data available.

12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance.

12.6. Other adverse effects

Other adverse effects: No data available.

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Section 13: Disposal considera	tions	
13.1. Waste treatment methods		
Disposal operations:	MATERIAL SHOULD BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS	
Disposal of packaging:	Dispose of as special waste in compliance with local and national regulations Observe	
	all federal, state and local environmental regulations.	
NB:	The user's attention is drawn to the possible existence of regional or national	
	regulations regarding disposal.	
ection 14: Transport informati	on	
14.1. UN number		
UN number:	UNnone	
14.2. UN proper shipping name		
Shipping name:	NOT CLASSIFIED AS DANGEROUS IN THE MEANING OF TRANSPORT REGULATIONS.	
14.3. Transport hazard class(es		
14.4. Packing group		
14.5. Environmental hazards		
Environmentally hazardous:	No Marine pollutant: No	
14.6. Special precautions for us	er	
Special precautions:	No special precautions.	
Section 15: Regulatory information	tion	
15.1. Safety, health and environ	mental regulations/legislation specific for the substance or mixture	
15.2. Chemical Safety Assessme	ent	
Chemical safety assessment:	A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.	
Section 16: Other information		
Other information		
Other information:	This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.	
	* Data predicted using computational software. Toxtree - Toxic Hazard Estimation by	
	decision tree approach. http://ecb.jrc.ec.europa.eu/qsar/qsar-tools/index.php?	
	c=TOXTREE ~ Data predicted using computatioanl software ACD/ToxSuite v 2.95.1 Copyright 1994-	
		[cont]

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