

2,3-DIFLUORO-4-IODOBENZOIC ACID

Page: 1

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Revision No: 1

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

1.1. Product identifier

Product name: 2,3-DIFLUORO-4-IODOBENZOIC ACID

CAS number: 501433-05-2

Product code: PC500469

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

Hazard pictograms: GHS07: Exclamation mark



2,3-DIFLUORO-4-IODOBENZOIC ACID

Precautionary statements: P261: Avoid breathing dust.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.

Label elements under CHIP:

Hazard symbols: Harmful.



Risk phrases: R22: Harmful if swallowed.

R36/37/38: Irritating to eyes, respiratory system and skin.

2.3. Other hazards

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

Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity: 2,3-DIFLUORO-4-IODOBENZOIC ACID

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.
Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Consult a doctor.
Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

- **Ingestion:** Wash out mouth with water. Do not induce vomiting. Transfer to hospital as soon as possible.
- 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. Nausea and stomach

pain may occur. There may be vomiting.

Inhalation: There may be irritation of the throat with a feeling of tightness in the chest.

4.3. Indication of any immediate medical attention and special treatment needed

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Carbon dioxide, dry chemical powder, foam. Suitable extinguishing media for the surrounding fire should be used.

Page: 2

2,3-DIFLUORO-4-IODOBENZOIC ACID

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide. Hydrogen fluoride

(HF). Hydrogen iodide (HI).

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective 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.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

6.3. Methods and material for containment 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

Section 7: Handling and storage

7.1. Precautions for safe handling

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. Light Sensitive.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal 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.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency. Respiratory

protective device with particle filter.

2,3-DIFLUORO-4-IODOBENZOIC ACID

Hand protection: Protective gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Crystals

Colour: Brown

Melting point/range °C: 195-197

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

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 reactions

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

10.4. Conditions to avoid

Conditions to avoid: Heat. Light.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide. Hydrogen fluoride (HF). Hydrogen iodide (HI).

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

2,3-DIFLUORO-4-IODOBENZOIC ACID

				Page: 5
STOT-single exposure		INH	Based on test data	
Symptoms / routes of exposure	9			
Skin contact:	There may	be irritation and redness at	the site of contact.	
Eye contact:	There may	be irritation and redness. Th	ne eyes may water profusely.	
Ingestion:	There may	be soreness and redness o	f the mouth and throat. Nausea and stomach	
	pain may c	occur. There may be vomiting).	
Inhalation:	There may	be irritation of the throat wit	h a feeling of tightness in the chest.	
Section 12: Ecological information	ition			
12.1. Toxicity				
Ecotoxicity values:	No data av	vailable.		
12.2. Persistence and degrada	bility			
Persistence and degradability:	No data av	vailable.		
12.3. Bioaccumulative potentia	ıl			
Bioaccumulative potential:	No data av	vailable.		
12.4. Mobility in soil				
Mobility:	No data av	vailable.		
12.5. Results of PBT and vPvB	assessmer	nt		
PBT identification:	This substa	ance is not identified as a PE	BT substance.	
12.6. Other adverse effects				
Other adverse effects:	No data av	vailable.		
Section 13: Disposal consideration	ations			
13.1. Waste treatment methods	6			
Disposal operations:	MATERIAL	_ SHOULD BE DISPOSED C	OF IN ACCORDANCE WITH LOCAL, STATE AND	
· ·		REGULATIONS		
Disposal of packaging:			nce with local and national regulations Observe	
		- I	U	
	all federal.	state and local environment	al regulations.	
NB:		state and local environment	al regulations. ssible existence of regional or national	

regulations regarding disposal.

Section 14: Transport information

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.

2,3-DIFLUORO-4-IODOBENZOIC ACID

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14.3. Transport hazard class(es	(ئ	
14.4. Packing group		
14.5. Environmental hazards		
Environmentally hazardous:	No Marine pollutant: No	
14.6. Special precautions for us	ser	
Section 15: Regulatory information	ation	
15.1. Safety, health and enviror	mental regulations/legislation specific for the substance or mixture	
15.2. Chemical Safety Assessm	lent	
	A chemical safety assessment has not been carried out for the substance or the mixture	
Chemical salety assessment.	by the supplier.	
tion to Other information		
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-	
	2009 ACD/labs, Copyright 2001-2009 Pharma Algorithms, Inc, Advanced Chemistry	
	Development, Inc (ACD/Labs). http://www.acdlabs.com/products/pc_admet/tox/tox/	
Phrases used in s.2 and 3:	H302: Harmful if swallowed.	
	H315: Causes skin irritation.	
	H319: Causes serious eye irritation.	
	H335: May cause respiratory irritation.	
	R22: Harmful if swallowed.	
	R36/37/38: Irritating to eyes, respiratory system and skin.	
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	by those who have been fully trained in safety, laboratory and chemical handling	
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	knowledge. The above information is believed to be correct to the best of our knowledge	
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