

2-FLUORO-4-IODONICOTINALDEHYDE

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Revision No: 2

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

1.1. Product identifier

Product name: 2-FLUORO-4-IODONICOTINALDEHYDE

CAS number: 153034-82-3

Product code: PC8525

Synonyms: 2-FLUORO-4-IODOPYRIDINE-3-CARBOXALDEHYDE

2-FLUORO-3-FORMYL-4-IODOPYRIDINE

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 substa	ance or mixture
Classification under CHIP:	Xn: R20/21/22; Xi: R36/37/38
Classification under CLP:	Acute Tox. 4: H302+312+332; STOT SE 3: H335; Eye Irrit. 2: H319; Skin Irrit. 2: H315
Most important adverse effects:	Harmful by inhalation, in contact with skin and if swallowed. Irritating to eyes, respiratory
	system and skin.
2.2. Label elements	
Label elements under CLP:	
Hazard statements:	H302+312+332: Harmful if swallowed, in contact with skin or if inhaled.
	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:
 P260: Do not breathe dust.

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

 P312: Call a POISON CENTER or doctor if you feel unwell.
 P312: Call a POISON CENTER or doctor if you feel unwell.

 Label elements under CHIP:
 Image: Particular Poison

 Hazard symbols:
 Harmful.

 Fisk phrases:
 R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

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

 Safety phrases:
 S22: Do not breathe dust.
 S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

 S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.
 S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

 S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 Safety phrase

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-FLUORO-4-IODONICOTINALDEHYDE

CAS number: 153034-82-3

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. Consult a doctor.

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

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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.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes of carbon dioxide / carbon monoxide. Nitrogen oxides (NOx). 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.

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7.2. Conditions for safe storag	e, including any incompatibilities		
Storage conditions:	Keep container tightly closed. Light Sensitive. Air sensitive. Store under Argon.		
	Recommended storage temp 2-8 °C.		
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.		_
DNEL / PNEC	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.		
Hand protection:	Protective gloves.		
Eye protection:	Safety glasses. Ensure eye bath is to hand.		
Skin protection:	Protective clothing.		
Section 9: Physical and chemi	cal properties		
9.1. Information on basic phys	ical and chemical properties		

State: Powder

Melting point/range °C: 78

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. Air.

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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. Nitrogen oxides

(NOx). 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)	INH DRM 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. 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.

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	itions	
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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.	
Section 14: Transport informat	ion	
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	ser	
Section 15: Regulatory information	ition	
	ation mental regulations/legislation specific for the substance or mixture	
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H335: May cause respiratory irritation.
R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.
R36/37/38: Irritating to eyes, respiratory system and skin.Legal disclaimer:The material is intended for research purposes only and should be handled exclusively
by those who have been fully trained in safety, laboratory and chemical handling
procedures. The above information is believed to be correct to the best of our
knowledge. The above information is believed to be correct to the best of our knowledge
at the date of its publication, but should not be considered to be all inclusive. It should
be used only as a guide for safe handling, storage, transportation and disposal. We
cannot guarantee that the hazards detailed in this document are the only hazards that
exist for this product. This is not a warranty and Apollo Scientific Ltd shall not be held
liable for any damage resulting from handling or from contact with the above product.

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