

3-HYDROXYPYRIDINE-2-CARBONITRILE

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Revision No: 3

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

1.1. Product identifier

Product name: 3-HYDROXYPYRIDINE-2-CARBONITRILE

CAS number: 932-35-4

Product code: OR7552

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 CLP: Acute Tox. 3: H301+311+331

Most important adverse effects: Toxic if swallowed, in contact with skin or if inhaled.

2.2. Label elements

Label elements:

Hazard statements: H301+311+331: Toxic if swallowed, in contact with skin or if inhaled.

Signal words: Danger

Hazard pictograms: GHS06: Skull and crossbones



Precautionary statements: P260: Do not breathe dust.

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

P301+310: IF SWALLOWED: Immediately call a.

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2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.1. Substances

Chemical identity: 3-HYDROXYPYRIDINE-2-CARBONITRILE

CAS number: 932-35-4

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. Transfer to hospital if there are burns or symptoms of poisoning.

- **Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
 - **Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.
 - Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If conscious, ensure the casualty sits or lies down. If unconscious and breathing is OK, place in the recovery position. If unconscious, check for breathing and apply artificial respiration if necessary. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

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

Skin contact:	There may be redness or whiteness of the skin in the area of exposure. Irritation or pain		
	may occur at the site of contact. Absorption through the skin may be fatal.		
Eye contact:	There may be severe pain. The eyes may water profusely.		
Ingestion:	There may be soreness and redness of the mouth and throat. There may be vomiting.		
	Convulsions may occur. There may be loss of consciousness.		
Inhalation:	There may be shortness of breath with a burning sensation in the throat. Absorption		
	through the lungs can occur causing symptoms similar to those of ingestion.		
	Convulsions may occur. There may be loss of consciousness.		

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. Use water spray to cool containers.

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5.2 Special horardo origina fra	m the substance or mixture	Page:
5.2. Special hazards arising fro		
Exposure hazards:	Toxic. In combustion emits toxic fumes of carbon dioxide / carbon monoxide. Nitrogen	
	oxides (NOx).	
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.	
ction 6: Accidental release r	neasures	
6.1. Personal precautions, prot	ective equipment and emergency procedures	
Personal precautions:	Notify the police and fire brigade immediately. 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	
	attempt to take action without suitable protective clothing - see section 8 of SDS. Do not	
	create dust.	
6.2. Environmental precautions	3	
Environmental precautions:	Do not discharge into drains or rivers.	
6.3. Methods and material for c	ontainment and cleaning up	
Clean-up procedures:	Clean-up should be dealt with only by qualified personnel familiar with the specific	
	substance. Transfer to a closable, labelled salvage container for disposal by an	
	appropriate method.	
6.4. Reference to other section	S	
ction 7: Handling and storage	je	
7.1. Precautions for safe handl	ing	
Handling requirements:	Avoid direct contact with the substance. Ensure there is exhaust ventilation of the area.	
	Avoid the formation or spread of dust in the air. Only use in fume hood.	
7.2. Conditions for safe storage	e, including any incompatibilities	
Storage conditions:	Store in a cool, well ventilated area. Keep container tightly closed. Store under Argon.	
-	Must only be kept in original packaging.	
7.3. Specific end use(s)		
Specific end use(s):	No data available.	
ction 8: Exposure controls/p	personal protection	

Workplace exposure limits: No data available.

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DNEL/PNEC Values

DNEL / PNEC No data available.

8.2. Exposure controls

Engineering measures:	Ensure there is exhaust ventilation of the area.		
Respiratory protection:	Self-contained breathing apparatus must be available in case of emergency. Parti		
	filter class P1 (EN143).		
Hand protection:	Protective gloves.		
Eye protection:	Safety glasses with side-shields. 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:	Solid		
Colour:	Pale yellow		
Evaporation rate:	No data available.		
Oxidising:	No data available.		
Solubility in water:	No data available.		
Viscosity:	No data available.		
Boiling point/range℃:	No data available.	Melting point/range °C:	No data available.
Flammability limits %: lower:	No data available.	upper:	No data available.
Flash point ℃:	No data available.	Part.coeff. n-octanol/water:	No data available.
Autoflammability℃:	No data available.	Vapour pressure:	No data available.
Relative density:	No data available.	pH:	No data available.
VOC g/l:	No data available.		

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.

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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).

Section 11: Toxicological information

11.1. Information on toxicological effects

Relevant hazards for product:

Hazard	Route	Basis
Acute toxicity (ac. tox. 3)	INH DRM ING	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be redness or whiteness of the skin in the area of exposure. Irritation or pain may occur at the site of contact. Absorption through the skin may be fatal.

Eye contact: There may be severe pain. The eyes may water profusely.

Ingestion: There may be soreness and redness of the mouth and throat. There may be vomiting. Convulsions may occur. There may be loss of consciousness.

Inhalation: There may be shortness of breath with a burning sensation in the throat. Absorption through the lungs can occur causing symptoms similar to those of ingestion. Convulsions may occur. There may be loss of consciousness.

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 product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: No data available.

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Section 13: Disposal considerations				
13.1. Waste treatment methods				
Disposal operations:	Transfer to a suitable container and arrange for collection by specialised disposal			
	company. 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	· · · ·			
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14.1. UN number				
UN number:	UN3439			
14.2. UN proper shipping name				
Shipping name:	NITRILES, SOLID, TOXIC, N.O.S.			
14.3. Transport hazard class(es	\$)			
Transport class:	6.1			
14.4. Packing group				
Packing group:	11			
14.5. Environmental hazards				
Environmentally hazardous:	No Marine pollutant: No			
14.6. Special precautions for us	ser			
Tunnel code:	E			
Transport category:	2			
Section 15: Regulatory information		_		
15.1. Safety, health and enviror	nmental regulations/legislation specific for the substance or mixture			
Specific regulations:	Not applicable.			
15.2. Chemical Safety Assessm	nent			
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			
	2015/830.			

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chemicals into categories. Developed by LMC bulgaria. http://echa.europa.eu/support/oecd-gsar-toolbox

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