

1-Methyl-1H-pyrazole-3-carbonitrile: sc-258790



The Power to Question

MATERIAL SAFETY DATA SHEET

Section 1: Product & Company Identification

Product Name: 1-Methyl-1H-pyrazole-3-carbonitrile
Catalog Number: sc-258790
Synonyms: 3-Cyano-1-methyl-1H-pyrazole
Supplier: Santa Cruz Biotechnology, Inc.
2145 Delaware Avenue
Santa Cruz, CA 95060
800.457.3801 or 831.457.3800
Emergency: ChemWatch
Within the US & Canada: 877-715-9305
Outside the US & Canada: +800 2436 2255 (1-800-CHEMCALL) or call +613 9573 3112

Section 2: Hazards identification

Classification of the substance or mixture

Classification under CLP: Acute Tox. 2: H330; Acute Tox. 3: H301+311

Classification under CHIP: T: R23/24/25

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

Label elements

Label elements under CLP:

Hazard statements:

H301+311 Toxic if swallowed or in contact with skin.

H330 Fatal if inhaled.

Signal words: Danger

Hazard pictograms: GHS06: Skull and crossbones



Precautionary statements:

P260 Do not breathe dust.

P271 Use only outdoors or in a well-ventilated area.

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

Other hazards

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

Section 3: Composition/information on ingredients

Substances

Chemical identity: 1-METHYL-1H-PYRAZOLE-3-CARBONITRILE

Molecular weight: 107.11

Molecular formula: C₅H₅N₃

Cas: 79080-39-0

Section 4: First aid measures

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.

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.

Indication of any immediate medical attention and special treatment needed

Section 5: Fire-fighting measures

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.

Special hazards arising from the substance or mixture

Exposure hazards: Toxic. In combustion emits toxic fumes. Carbon oxides. Nitrogen oxides (NO_x).

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

Personal precautions, protective 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 unauthorized personnel. Do not attempt to take action without suitable protective clothing – see section 8 of SDS. Do not create dust.

Environmental precautions

Environmental precautions: Do not discharge into drains or rivers.

Methods and material for containment 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.

Reference to other sections

Section 7: Handling and storage

Precautions for safe handling

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.

Conditions for safe storage, including any incompatibilities

Storage conditions: Store in cool, well ventilated area. Keep container tightly closed. Store at room temperature.

Suitable packaging: Must only be kept in original packaging.

Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

Control parameters

Workplace exposure limits: Not applicable.

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. Particle 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

Information on basic physical and chemical properties

State: Powder

Melting point/range°C: 41.5–45 °C

Other information

Other information: Not applicable.

Section 10: Stability and reactivity

Reactivity

Reactivity: Stable under recommended transport or storage conditions.

Chemical stability

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions

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

Conditions to avoid

Conditions to avoid: Heat.

Incompatible materials

Materials to avoid: Strong oxidizing agents. Strong acids.

Hazardous decomposition products

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

Section 11: Toxicological information

Information on toxicological effects

Relevant hazards for substance:

| Hazard | Route | Basis |
|-----------------------------|---------|--------------------|
| Acute toxicity (ac. tox. 3) | DRM ING | Based on test data |
| Acute toxicity (ac. tox. 2) | INH | Based on test data |

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

Toxicity

Ecotoxicity values: Not applicable.

Persistence and degradability

Persistence and degradability: No data available.

Bioaccumulative potential

Bioaccumulative potential: No data available.

Mobility in soil

Mobility: No data available.

Results of PBT and vPvB assessment

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

Other adverse effects

Other adverse effects: No data available.

Section 13: Disposal considerations**Waste treatment methods**

Disposal operations: Transfer to a suitable container and arrange for collection by specialized 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 information**UN number**

UN number: UN2811

UN proper shipping name

Shipping name: TOXIC SOLID, ORGANIC, N.O.S.

Transport hazard class(es)

Transport class: 6.1

Packing group

Packing group: III

Environmental hazards

Environmentally hazardous: No

Marine pollutant: No

Special precautions for user

Tunnel code: E

Transport category: 2

Section 15: Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture****Chemical Safety Assessment**

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**Phrases used in s.2 and 3:**

H301+311: Toxic if swallowed or in contact with skin.

H330: Fatal if inhaled.

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

The above information is believed to be correct but does not purport to be complete and should be used only as a guide. The burden of safe use of this material rests entirely with the user.

1/29/2013