



Safety Data Sheet

According to the federal final rule of hazard communication revised on 2012
(HazCom 2012)

Product Identification: 3-Pyridyl acetic acid 0210Gj Ghs11 Div.3 sds 3-Pyridyl acetic acid

Date of issue: March 12, 2024

Date of Compilation : October 12, 2012

Date of Revision : March 12, 2024

Due Date of Revision : February 2027

Revision Number : 11

Version Number : 0210Gj Ghs11 Div.3 sds 3-Pyridyl acetic acid

Supersedes date : January 02, 2024

Supersedes version : 0210Gj Ghs10 Div.3 sds 3-Pyridyl acetic acid



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SECTION 1.: IDENTIFICATION

PRODUCT NAME 3-Pyridyl acetic acid

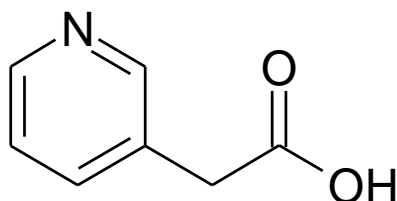
CAS RN 501-81-5

EC# 207-928-7

SYSTEMATIC NAME 3- Pyridylacetic acid

MOLECULAR FORMULA $C_7H_7NO_2$

STRUCTURAL FORMULA



FACTORY & REGISTERED OFFICE:

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Emergency telephone:

For Chemical Emergency ONLY (in the case of fire, leak, spill, exposure or accident) Call
Chemtrec: 1-800-424-9300 (US), 1-703-527-3887 (Outside U.S.)

Chemtrec (India) : 000-800-100-7141

For ALL other emergencies call Emergency Control Room Gajraula at 99970 22412

Product Uses:

- 3-pyridylacetic acid is used as an intermediate in pharmaceutical industry.

SECTION 2:

HAZARDS IDENTIFICATION

GHS CLASSIFICATION

Acute Toxicity (Oral): Category 5

Eye damage/eye irritant: Category 2A

Skin corrosion/irritation: Category 2

Specific target organ toxicity – Single exposure: Category 3



Hazard Pictogram: GHS 07

Signal Word: Warning!

HAZARD AND PRECAUTIONARY STATEMENTS:

HAZARD STATEMENTS

- H303: May be harmful if swallowed
- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H335: May cause respiratory irritation.

PRECAUTIONARY STATEMENTS

- P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
- P262: Use only outdoors or in well ventilated area.
- P264: Wash clothes thoroughly after handling.
- P280: Wear protective gloves/clothing and eye/face protection.
- P302+P352: IF ON SKIN: Wash with plenty of soap and water.
- P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P312: Call a POISON CENTER/doctor/physician/if you feel unwell.
- P332+P313: If skin irritation occurs: Get medical advice/attention.



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- P362: Take off contaminated clothing and wash before reuse.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- P337+P313: If eye irritation persists: Get medical advice/attention.
- P403+P233: Store in a well-ventilated place. Keep container tightly closed.
- P405: Store locked up.
- P501: Dispose of contents/container to local/regional/national/international regulations.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Sr.No.	Chemical	CAS #	EC#	Purity
1.	3-Pyridyl acetic acid	501-81-5	207-928-7	≥99%

SECTION 4: FIRST AID MEASURES

Key symptoms

Acute effects:

- 3-Pyridylacetic acid causes skin, eyes and respiratory irritation. The toxicological properties of this material have not been fully investigated. Currently it is not categorized as toxic.

Chronic effects:

- To the best of our knowledge, the chronic health effects of this product have not been thoroughly investigated.

FIRST AID:

- **Eyes:** If in eyes rinse cautiously with water for at least 15 minutes. Remove contact lenses if easy to do so. Continue rinsing. Seek medical attention.
- **Skin:** Immediately take off all contaminated clothing. Wash thoroughly with water for at least 15 minutes. Wash contaminated clothes before reuse. Seek immediate medical attention.
- **Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if you feel unwell. Monitor for respiratory distress. Apply artificial respiration if not breathing. Do not use mouth-to-mouth methods if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Toxic vapours may be released on thermal decomposition including nitrogen oxides, carbon monoxide and cyanide.
- **Ingestion:** If swallowed call a poison center if you feel unwell. Rinse mouth. Do NOT induce vomiting by use of emetics. Seek medical attention.



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SECTION 5 : FIRE-FIGHTING MEASURES

Extinguishing media:

- *Appropriate extinguishing media:* Dry chemical powder, carbon dioxide, and alcohol resistant foam. Water may also be used. Water can be effective in cooling down the fire-exposed containers and knocking down the vapours. Water jets may be used to flush spills away and dilute the same to non-flammable mixtures fog or alcohol-resistant foam by directing streams to the periphery of the fires to prevent spread.

Special Protective Equipment and Precautions for Fire Fighter:

- Evacuate the area and fight fires from a safe distance.
- If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions or as per locally valid procedures.
- Fire fighters must wear Self Contained Breathing Apparatus (SCBA) and full protective clothing. The chemical is harmful in contact with skin.
- Report any run-off of fire waters contaminated with this chemical as per local and federal procedures applicable.

Unusual fire and explosion hazard:

- Toxic vapors may be released on thermal decomposition including nitrogen oxides, carbon monoxide and carbon dioxide.
- High vapor concentration may result in an explosion hazard.
- Vapors are heavier than air. May travel considerable distance from source and flashback.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Minor Spills

- Clean up all spills immediately following relevant Standard Operating Procedures.
- Avoid breathing vapors and contact with skin and eyes.
- Shut off leak source if possible.
- Shut off all possible sources of ignition.
- Wear protective clothing, boots, impervious gloves and safety glasses.
- Wipe up.
- Decontaminate all equipment.

Major Spill

- Alert Emergency Responders and tell them location and nature of hazard.
- Shut off all possible sources of ignition and increase ventilation.
- Wear protective clothing, full boots, impervious gloves, safety glasses and Self Contained Breathing Apparatus (SCBA), as may be deemed appropriate.
- Clear area of personnel and move upwind.
- Stop leaks if possible.



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- Prevent, by any means available, spillage from entering drains or water and watercourses.
- Collect recoverable product into labeled containers for recycling, recovery or disposal.
- Contain spill with sand, earth or vermiculite.
- Spread area with lime or absorbent material, and leave for at least 1 hour before washing.
- Clean up all tools and equipment.
- Inform authorities in event of contamination of any public sewers, drains or water bodies.

SECTION 7: HANDLING AND STORAGE

Handling

- Do not breathe vapor or mist.
- Wear protective gloves/clothing and eye/face protection.
- Wash thoroughly after handling.
- Ground and secure containers when dispensing or pouring product.
- Avoid contact with incompatible materials.
- When handling, DO NOT eat, drink or smoke.
- Launder contaminated clothing before re-use.
- If on skin or hair, IMMEDIATELY remove all contaminated clothing and rinse/shower with plenty of water.
- Use in a well ventilated place/Use protective clothing commensurate with exposure levels.

Storage

- Store at ambient temperature in a dry and ventilated place.
- Store away from incompatible materials.
- Keep securely closed when not in use.

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits

Chemical name	ACGIH	OSHA-Final PELs	NIOSH
3-Pyridyl acetic acid	None listed	None listed	None listed

Exposure Controls

- Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits. Local ventilation is usually preferred. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal Protection:

- Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.



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- **Hands:** Wear appropriate protective gloves to prevent skin exposure.
- **Eyes:** Safety goggles/ Chemical Safety glasses and Face shield.
- **Clothing:** Boots and clothing to prevent contact.
- **Respirator:** Follow the OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

General Industrial hygiene:

- Immediately change contaminated clothing.
- Apply skin protective barrier cream.
- Wash hands and face after working with the substance.
- Under no circumstances eat or drink at the workplace.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

- **Information on basic physical and chemical properties.**

Sr.No.	Parameter	Typical value
1.	Appearance	Crystalline White powder
2.	Odor	Not available
3.	Odor Threshold	Not available
4.	pH	Not applicable
5.	Melting point/Freezing point	140 - 146 ⁰ C
6.	Boiling Point	301.6 °C at 760mmHg
7.	Flash point	136.2±20.9 °C
8.	Evaporation rate (n-BuAc=1)	Not available
9.	Flammability	Not available
10.	Upper/lower flammability or Explosive limits	Not available
11.	Vapor pressure	0.0±0.7 mmHg at 25°C
12.	Vapor density (air=1)	Not available



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13.	Density	1.2±0.1 g/cm ³
14.	Solubility	Not available
15.	Partition coefficient : n- (Octanol / water)	0.24
16.	Auto-ignition temperature	Not available
17.	Decomposition temperature	Not available
18.	Viscosity	Not available
19.	Explosive property	No
20.	Oxidizing property	No

SECTION 10: STABILITY AND REACTIVITY

- **Stability:** Stable under normal temperature and pressures.
- **Conditions to avoid:** Keep away from heat, sparks, flame, high temperature and incompatible chemicals, dust generation, u.v. light, strong oxidants and strong reducing agents.
- **Incompatible chemicals:** Strong oxidizing and reducing agents.
- **Hazardous decomposition:** Thermal decomposition may produce carbon monoxide and oxides of nitrogen, carbon dioxide & nitrogen, Hydrogen chloride, hydrogen cyanide and irritating and toxic fumes.
- **Hazardous Polymerization:** No data available.

SECTION 11: TOXICOLOGICAL INFORMATION

a) Acute Toxicity:

- 3-Pyridylacetic acid may be harmful if swallowed and causes skin, eye and respiratory irritation. The toxicological properties of this material have not been fully investigated. Currently it is not categorized as toxic.

RTECS#: Not listed

Acute Oral (Rat) LD50: 2504.81mg/kg (Predicted Oral rat LD50 from concensus method)

b) Skin irritation/ corrosion

- Causes skin irritation.

c) Serious Eye damage/ irritation

- Causes eye irritation.



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d) Respiratory or skin sensitization

- No data is available.

e) Germ cell Mutagenicity

- No data is available.

f) Carcinogenicity

- Not listed by NTP, IARC and OSHA.
- Not present on the EU CMR list.
- According to information presently available 3-Pyridylacetic acid is not found to be carcinogenic.

g) Reproductive toxicity

- No data is available.

h) STOT-single exposure

- May cause respiratory irritation.

i) STOT-repeated exposure

- No data available.

j) Aspiration hazard.

- No data available.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity (Ecotoxicity):

- The ecotoxicity data based on the experiments for this material is not currently available. Based on the environmental modals the following information can be used to estimate the ecotoxicity.
- Fathead minnow LC50 (96 hr)-162.57 mg/L (Predicted Fathead minnow LC50 (96HR) from consensus method.

Persistence and degradability

- Readily biodegradable.

Bio accumulative potential(Predicted)

- BCF = 3.162 (Estimated)
- Log Kow = 0.24 (Estimated).

Based on the Log Kow and Bio concentration factor value it is expected to have Non bio accumulative in fish and aquatic organisms and Negligible potential to bio accumulate.

Mobility in soil

- Log Koc = 1.16
- Henry's Law constant=5.8X 10⁻¹¹ atm/m³. Non-volatile from aqueous bodies.
- Log Kow=0.24 Low potential to bio accumulate.

Other adverse effects.

- **Environment Fate:**



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- Based on environmental modeling, this material is not expected to be persistent in the environment and is not expected to bio accumulate. It also has very negligible sorption in soil. It is readily biodegradable. Since this is an estimated result, necessary guidelines should be followed before disposing off the material in to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

- Burn in a chemical incinerator equipped with an afterburner and scrubber.
- Dispose of this material in accordance with standard practice for disposal of potentially hazardous materials as required by applicable federal, state or local laws. Note that disposal regulations may also apply to empty containers and equipment rinsates.

SECTION 14: TRANSPORT INFORMATION

- This substance is considered to be Non Hazardous for transport by Air/Rail/Road and Sea and thus Not regulated by IATA/ICAO/ARD/RID/IMO/IMDG.

Environmental hazards

- It is expected that this chemical is not a marine pollutant and is not Harmful to the Aquatic environment.

SECTION 15: REGULATORY INFORMATION

Classification (as per CLP Regulation EC No. 1272/2008):

- Hazards Class and Category:** Skin Irrit. Cat.2, Eye Irrit. Cat2, STOT(SE). Cat. 3
- Hazard Statements:** H315; H319,H335

Chemical Inventory Lists:	Status
TSCA:	Listed (Active)
EINECS:	Listed
Canada(DSL/NDSL):	Listed (NDSL)
Japan:	Listed
Korea:	Not Listed



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Australia:	Not Listed
China: IECSC	Listed

US information

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):

3-Pyridyl acetic acid is not listed

SARA 302/304 : 3-Pyridyl acetic acid is not listed

SARA 311/312 : See section 2 for more information

California Prop. 65: 3-Pyridyl acetic acid is not listed

CAA (Clean Air Act): 3-Pyridyl acetic acid is not listed

CWA (Clean Water Act): 3-Pyridyl acetic acid is not listed

EU Information

Water hazard class (WGK): Not available

Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006:

3-Pyridyl acetic acid is not listed

SECTION 16: OTHER INFORMATION

Compilation information of safety data sheet

Chemical: 3-Pyridyl acetic acid

CAS #: 501-81-5

File Name: 0210Gj Ghs11 Div.3 sds 3-Pyridyl acetic acid

Revision Number: 11

Date of Issue of SDS: March 12, 2024

Revision Due Date: February, 2027

(a) A key or legend to aberrations and acronyms used in the safety data sheet;

- PBT =Persistent Bio accumulative and Toxic.
- vPvB= Very Persistent and Very Bio accumulative.
- SCBA= Self Contained Breathing Apparatus.
- NIOSH REL= National Institute for Occupational Safety and Health Recommended Exposure Limit.
- OSHA PEL=Occupational Safety and Health Administration Permissible Exposure Limit.
- OELTWA= Occupational Exposure Limit Time Weighted Averages.
- IDLH= Immediately Dangerous to Life or Health.
- UEL= Upper Explosive Limit.
- LEL= Lower Explosive Limit.
- RTECS= Registry of Toxic Effects of Chemical Substances.
- NTP=National Toxicology Program



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- IARC= International Agency for Research on Cancer.
- EPA=Environmental Protection Agency.
- TSCA= Toxic Substances Control Act.
- CERCLA= Comprehensive Environmental Response, Compensation, and Liability Act.
- SARA= Superfund Amendments and Reauthorization Act.
- NFPA= National Fire Protection Association.
- WHIMS= Workplace Hazardous Materials Information System.
- DSL/NDSL= Domestic/Non-Domestic Substances List.
- CSR=Chemical Safety Report.
- BCF = Bio Concentration Factor.
- DNEL = Derived No Effect Level.
- PNEC = Predicted No Effect Concentration.
- TLV = Threshold Limit Value.
- ACGIH = American Conference of Governmental Industrial Hygienists.
- REACH = Registration, Evaluation, Authorization and Restriction of Chemicals.
- CLP = Classification, Labeling and Packaging.
- LD / LC = Lethal Doses / Lethal Concentration.
- GHS = Globally Harmonized System.
- ADR = Accord européen relative au transport international de marchandises.
- IMDG-Code = International Maritime Code for Dangerous Goods.
- EmS = Emergency measures on Sea.
- ICAO = International Civil Aviation Organization.
- IATA/DGR= International Air Transport Association/Dangerous Goods Regulation.

(b) Key Literature reference and sources for data

Biographical reference and data sources

- CLP REG (regulation) (EC) no. 1272/2008, last modification by regulation (EC) no. 790/2009
- DIR 67/548/EWG, last modification by DIR 2009/2/EC
- Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EC) No. 2020/878

Internet

- RTECS

Company's Declaration:

Information contained in this SDS is believed to be correct but no representation, guarantee or warranties of any kind are made as to its accuracy, suitability for a particular application or results to be obtained from them. This SDS shall be used as a guide only. Jubilant Ingrevia Limited makes no warranties expressed or implied of the adequacy of this document for any particular purpose.

(End of Safety Data Sheet)