



2,6-Picolinoxylidide

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) No. 2020/878

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2,6-Picolinoxylidide

Safety Data Sheet

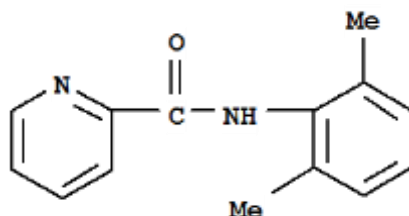
According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) No. 2020/878

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/ MIXTURE AND OF THE COMPANY/ UNDERTAKING

1.1. Product identifier

PRODUCT NAME : **2,6-Picolinoxylidide**
 CAS RN : **39627-98-0**
 EC/List No. : **700-273-2**
 SYNONYMS : N-(2',6'-Dimethylphenyl)-2-pyridinecarboxamide ; N-(2,6-Dimethylphenyl)-2-Picolinamid ; N-(2,6-Dimethylphenyl)pyridine-2-carboxamide ; N-(2',6'-Dimethylphenyl)-2-pyridine carboxamide; 2',6'-picolinoxylidide; 2-Picolinoxylidide; ; N-(2,6-dimethylphenyl)pyridine-2-carboxamide; N-(2,6-Dimethylphenyl)-2-Picolinamide, 2,6-Picoloxylidide

TECHNICAL NAME : N-(2,6-Dimethylphenyl)-2-Picolinamide
 MOLECULAR FORMULA : C₁₄H₁₄N₂O
 STRUCTURAL FORMULA



CLP Notification Number

CLP Notification Number : **02-2119909838-24-0000**

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.2.1. Relevant identified uses

2,6-Picolinoxylidide is used for research and development purposes only. It is probably used as an intermediate in the pharmaceutical industry.

Uses advised against: None

1.3. Details of the supplier of the safety data sheet

Jubilant Ingrevia Limited

FACTORY & REGISTERED OFFICE: Jubilant Ingrevia Limited., Bhartiagram, Gajraula, District: Amroha, Uttar Pradesh-244223, India
 T +91-5924-267437& +91-5924-267438

HEAD OFFICE: Jubilant Ingrevia Limited, Plot 1-A, Sector 16-A, Institutional Area, Noida, Uttar Pradesh, 201301 - India
 T +91-120-4361000 - F +91-120-4234881 / 84 / 85 / 87 / 95 / 96 support@jubl.com - www.jubilantingrevia.com

1.4. Emergency telephone number

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

SECTION 2: HAZARD(S) IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute toxicity, Oral (Category 4)	H302	Harmful if swallowed
Skin irritation (Category 2)	H315	Causes skin irritation.
Eye irritation (Category 2)	H319	Causes serious eye irritation.
Single Target organ Toxicity(Single exposure):(Category 3)	H335	May cause respiratory irritation

2.2. Label Elements

2,6-Picolinoxylidide

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) No. 2020/878

According to regulation (EC) 1272/2008

Hazard Pictogram: GHS 07



Signal Word: Warning!

GHS 07: Exclamation

HAZARD AND PRECAUTIONARY STATEMENTS:

HAZARD STATEMENTS

- H302: 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.
- P264: Wash clothes thoroughly after handling.
- P270: Do not eat, drink or smoke when using this product.
- P271: Use only outdoors or in well ventilated area.
- P280: Wear protective gloves/protective clothing.
- P273: Avoid release to the environment.
- P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor /physician if you feel unwell.
- P330: Rinse mouth
- P302+P352: IF ON SKIN: Wash with plenty of soap and water
- P332+P313: If skin irritation occurs: Get medical advice/attention.
- P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P312: Call a POISON CENTER or doctor/physician if you feel unwell.
- 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.

2.3 Other Hazards

- Not available. For further details see section 12.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

S.No.	Chemical	CAS #	EC#	% Composition
1	2,6-Picolinoxylidide	39627-98-0	700-273-2	>99%(GC)

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

- Consult a physician. Show this safety data sheet to the doctor in attendance.
- **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.
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2,6-Picolinoxyliidide

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) No. 2020/878

- **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.
- **Ingestion:** If swallowed call a poison center if you feel unwell. Rinse mouth. Do NOT induce vomiting by use of emetics. Seek medical attention.

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

Acute effects:

- 2,6-Picolinoxyliidide is harmful if swallowed. It causes skin irritation, serious eye irritation and also may cause respiratory irritation. Follow safe industrial hygiene practices and always wear proper protective equipment when handling this compound

Chronic effects:

- Repeated or prolonged exposure to this compound is not known to aggravate existing medical conditions.

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

- Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

- *Appropriate extinguishing media:* Use water spray, dry chemical, carbon dioxide, or chemical foam.

5.2. Special hazards arising from the substance or mixture

- Combustible, but not flammable. In case of fire toxic fumes of carbon monoxide (CO) and nitrogen oxides (NOx) may be formed.
- No explosivity or flammability data identified.
- High concentrations of finely divided airborne organic particles can potentially explode if ignited.

5.3. Advice for firefighters

- Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Prevent fire-extinguishing water from contaminating the watercourses.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures.

6.1.1 For non-emergency personnel

- Wear protective clothing, full boots, impervious gloves, safety glasses and Self Contained Breathing Apparatus (SCBA), as may be deemed appropriate.
- Avoid breathing vapors and contact with skin and eyes.
- Shut off leak source if possible.
- Shut off all possible sources of ignition.
- Wipe up.
- Decontaminate all equipment.
- Use non-sparking tools.

6.1.2 For emergency personnel

- Wear protective clothing, full boots, impervious gloves, safety glasses and Self Contained Breathing Apparatus (SCBA), as may be deemed appropriate.
- Alert Emergency Responders and tell them location and nature of hazard.
- Shut off all possible sources of ignition and increase ventilation.
- Stop leaks if possible.
- Clean up all spills immediately following relevant Standard Operating Procedures.
- Avoid breathing vapors and contact with skin and eyes.

6.2. Environmental precautions

- Clean up all spills immediately following relevant Standard Operating Procedures.
- Inform authorities in event of contamination of any public sewers, drains or water bodies.
- Wipe up.
- Prevent, by any means available, spillage from entering drains or water and watercourses.
- Collect recoverable product into labeled containers for recycling, recovery or disposal.
- Spread area with lime or absorbent material, and leave for at least 1 hour before washing.

6.3. Methods and material for containment and cleaning up

- Clean up all tools and equipment.
- Decontaminate all equipment.

6.4. Reference to other sections

- For more information please refer to section 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

- Wear protective gloves/clothing and eye/face protection.
- Wash thoroughly after handling.
- 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.
- Avoid dust generation and inhalation of dust.
- Avoid contact with eyes and skin.
- Ensure good ventilation.
- The material may form flammable dust clouds in air. Dust clouds may be extremely sensitive to ignition by electrostatic discharge and other ignition sources.
- Ensure good earthing of equipment and personnel.

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

- 2,6-Picolinoxylidide is used for research and development purposes only. It is probably used as an intermediate in the pharmaceutical industry

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control parameters

Exposure Limits Values

Chemical name	STEL (ppm)	NIOSH	OSHA	ACGIH
2,6-Picolinoxylidide	None available	None available	None available	None available

Exposure Limits (International):

- Not available.

Derived No-Effect-Levels (DNEL) / Predicted No-effect-concentration (PNEC)

- DNEL and PNEC data not available

8.2. Exposure controls

Appropriate Engineering Controls:

Use appropriate controls (e.g. containment, local exhaust ventilation) as specified in a workplace risk assessment. Technical measures and appropriate operations should be given priority over the use of protective equipment. Handle in accordance with good industrial hygiene and safety practice.

Personal Protection

- **Eye face protection** - Wear safety glasses with side shields. An emergency eyewash station should be available.
- **Skin protection** - Handle with gloves. The selected gloves must comply with the specifications in EC Directive 89/686/EEC and the related standard EN374 or applicable federal, state and national legislation.
- **Protective clothing** - Use protective clothing to prevent skin contact. The type should be selected according to concentrations, quantities and duration of handling at the specific workplace.
- **Respiratory protection** - Required when dusts are generated. Where risk assessment shows that an air-purifying respirator is appropriate, use filter of type P3 (EN143) or N100 (NIOSH) or types recommended in applicable federal, state and national legislation.
- **Environmental exposure controls** - Do not empty in drains.

General Hygiene and general comments:

- Wash hands and face after working with the substance.
- Under no circumstances eat or drink at the workplace.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties.

2,6-Picolinoxylidide

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) No. 2020/878

Sr.No.	Parameter	Typical value/Test method/Remarks
1.	Physical state	Solid
2.	Color	White to slightly cream coloured crystalline powder
3.	Odor, Odor Threshold	Odorless
4.	Melting point/freezing point	105-106 °C
5.	Boiling point or initial boiling point and boiling range	290.3±35.0 °C Press: 760 Torr (Estimated)
6.	Flammability	Non Flammable
7.	Lower and upper explosion limit	Not Available
8.	Flash point	129.4±25.9°C (Estimated)
9.	Auto-ignition temperature	Not Available
10.	Decomposition temperature	Not Available
11.	pH	Neutral
12.	Kinematic viscosity	Not Applicable (Solid)
13.	Solubility in water in other solvents	Insoluble in water and Soluble in Di-chloromethane and Toluene
14.	Partition coefficient n-octanol/water (log value)	2.12
15.	Vapor pressure	2.09E-3 Torr Temp: 25 °C (Estimated)
16.	Density and/or relative density	Not applicable (Solid)
17.	Relative vapour density	Not applicable (Solid)
18.	Particle characteristics	Not available

9.2. Other information.

9.2.1. Information with regard to physical hazard classes

- No additional information available

9.2.2. Other safety characteristics

- No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity: No known reactivity hazards under normal conditions.

10.2 Chemical Stability: The substance is chemically stable at standard room temperature conditions.

10.3 Conditions to avoid: Keep away from high temperature, incompatible chemicals & dust generation

10.4 Incompatible chemicals: Strong acids and bases.

10.5 Hazardous decomposition products: Thermal decomposition may produce carbon monoxide and oxides of nitrogen, carbon dioxide &, irritating and toxic fumes

10.6 Possibility of hazardous reactions: No data available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008:

Acute toxicity

- Harmful if swallowed
- Causes skin irritation
- Causes serious eye irritation.
- May cause respiratory irritation

RTECS#: Unlisted

LD50:rat (oral): 1594.15 mg/kg (Predicted Oral rat LD50 by Consensus method)

Skin corrosion/irritation	: Causes skin irritation
Eye damage/irritation	: Causes serious eye irritation
Respiratory or skin sensitization	: No data available
Germ cell Mutagenicity	: No data Available
Carcinogenicity	: No data available
Reproductive toxicity	:No data available.
STOT-single exposure	:May cause respiratory irritation.
STOT- repeated exposure	:No data available.
Aspiration Hazards	:No data available.

11.2. Information on other hazards

11.2.1. Endocrine Disrupting Properties:

This product does not contain any known or suspected endocrine disruptors.

11.2.2 Other information:

No other information available

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity:

No data available

12.2. Persistence and degradability

- No data available

12.3. Bio accumulative potential

- No data available

12.4. Mobility in soil

- No data available

12.5. Results of PBT and vPvB assessment

- No data available.

12.6. Endocrine disrupting properties:

- This product does not contain any known or suspected endocrine disruptors



2,6-Picolinoxylidide

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) No. 2020/878

12.6. Other adverse effects.

- Endocrine Disruptor Information: This product does not contain any known or suspected endocrine disruptors
- Persistent Organic Pollutant: This product does not contain any known or suspected substance
- Ozone Depletion Potential: This product does not contain any known or suspected substance

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

13.1.1. Information regarding the disposal of the product: Waste is classified as hazardous. Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations.

13.1.2. Information regarding the disposal of the packaging: Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product. Dispose of this container to hazardous or special waste collection point.

Other Information: Waste codes should be assigned by the user based on the application for which the product was used. Do not empty into drains. Do not flush to sewer. Large amounts will affect pH and harm aquatic organisms.

13.1.3. Physical/chemical properties that may affect waste treatment options shall be specified: None

13.1.4. Sewage disposal: Avoid release to the environment. Do not flush to sewer. Waste codes should be assigned by the user based on the application for which the product was used. Do not empty into drains. Do not let this chemical enter the environment.

13.1.5. Special precautions for any recommended waste treatment: NOTE: Generator is responsible for proper waste characterization. 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 reinstates

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.

ADR/ RID	IMDG	IATA
14.1. UN number		
Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name		
Not dangerous good	Not dangerous good	Not dangerous good
14.3. Transport hazard class(es)		
Not applicable	Not applicable	Not applicable
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental hazards		
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No
No supplementary information available		

14.6. Special precautions for user

No special precautions required

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Classification as per GHS HazCom 2012:

- **Hazards Class and Category:** Acute toxicity, Oral (Category 4), Skin irritation (Category 2) Eye irritation (Category 2), STOT (Single exposure) (Category 3)
- **Hazard Statements:** H302, H315, H319, H335

Chemical Inventory Lists:	Status
TSCA:	Listed



2,6-Picolinoxyllidide Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) No. 2020/878

EC Inventory	Listed (700-273-2)
Canada(DSL/NDSL):	Listed(NDSL)
China Catalog of Hazardous chemicals 2015	Not Listed
New Zealand Inventory of Chemicals (NZIoC)	Not Listed
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	Not Listed
Inventory of Existing and New Chemical Substances (ENCS)	Not Listed
Japan ISHL Existing Substances List (ISHL)	Not Listed
China: IECSC	Not Listed
Existing Chemicals List (KECI)	Not Listed
Australian Inventory of Chemical Substances (AICS)	Not Listed

US information

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

2,6-Picolinoxyllidide is not listed

SARA 302/304 : 2,6-Picolinoxyllidide is not listed

SARA 311/312 : See section 2 for more information

California Prop. 65: 2,6-Picolinoxyllidide is not listed

CAA (Clean Air Act): 2,6-Picolinoxyllidide is not listed

CWA (Clean Water Act): 2,6-Picolinoxyllidide is not listed

EU Information

Water hazard class WGK : Not classified

Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006: 2,6-Picolinoxyllidide is not listed

SECTION 16: OTHER INFORMATION

a) Compilation information of safety data sheet

Date of compilation	: June 06, 2012
Chemical	: 2,6-Picolinoxyllidide
CAS #	: 39627-98-0
File Name	: 0646Gj Clp12 Div.3 sds 2,6-Picolinoxyllidide
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b) 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.
- RTECS= Registry of Toxic Effects of Chemical Substances.
- NTP=National Toxicology Program.
- IARC= International Agency for Research on Cancer.
- EPA=Environmental Protection Agency.
- TSCA= Toxic Substances Control Act.
- SARA= Superfund Amendments and Reauthorization Act.
- WHIMS= Workplace Hazardous Materials Information System.
- DSL/NDSL= Domestic/Non-Domestic Substances List.
- BCF = Bio Concentration Factor.
- TLV = Threshold Limit Value.
- ACGIH = American Conference of Governmental Industrial Hygienists.
- REACH = Registration, Evaluation .Authorization and Restriction of Chemicals.
- CLP = Classification, Labeling and Packaging.



2,6-Picolinoxyldide

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) No. 2020/878

- LD / LC = Lethal Doses / Lethal Concentration.
- GHS = Globally Harmonized System.
- ADR = Accord European 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.

c) Key Literature reference and sources for data

Biographical reference and data sources

- Globally Harmonized System of Classification and Labelling of Chemicals.
- CLP REG (regulation) (EC) no. 1272/2008, last modification by regulation (EC) no. 790/2009
- REG (EC) no. 1907/2006, last modification by REG (EC) Nr. 830/2015.

d) List of hazard statements

Hazards Statements	
	<ul style="list-style-type: none">• H302: Harmful if swallowed• H315: Causes skin irritation• H319: Causes serious eye irritation.• H335: May cause respiratory irritation

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

(End of Safety Data Sheet)