



2-Bromo-3-methylpyridine

Safety Data Sheet

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

Date of compilation	:	April 12, 2016
File Name	:	0783Gj Ghs00 Div.03 sds 2-Bromo-3-methylpyridine
Revision Number	:	00
Date of Issue	:	April 02, 2024
Revision Due Date	:	March, 2027
Supersedes date	:	Not applicable
Supersedes version	:	Not applicable

2-Bromo-3-methylpyridine

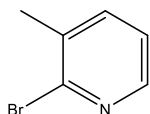
Safety Data Sheet

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

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

1.1. Product identifier

PRODUCT NAME	: 2-Bromo-3-methylpyridine
CAS RN	: 3430-17-9
EC#	: 629-415-0
SYNONYMS	: 2-bromo-3-methyl-pyridine; 2-Bromo-3-picoline
TRADE NAME	: 2-Bromo-3-methylpyridine
MOLECULAR FORMULA	: C ₆ H ₆ BrN
STRUCTURAL FORMULA	



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

1.2.1. Relevant identified uses

2-Bromo-3-methylpyridine is used as an Advance intermediate.

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, And 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

GHS-US classification

Skin irritation (Category 2)	H315	Causes skin irritation.
Eye irritation (Category 2)	H319	Causes serious eye irritation
Specific target organ toxicity - SE (Category 3)	H335	May cause respiratory irritation

Other hazards: None

2.2. Label Elements

Hazard Pictogram: GHS 07



GHS 07: Exclamation Mark

Signal Word: Warning!

HAZARD AND PRECAUTIONARY STATEMENTS:

HAZARD STATEMENTS

- H315: Causes skin irritation.
- H319: Causes serious eye irritation.
- H335: May cause respiratory irritation.

PRECAUTIONARY STATEMENTS

- P264: Wash hands thoroughly after handling.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.



2-Bromo-3-methylpyridine

Safety Data Sheet

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

- P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
- P271: Use only outdoors or in a well-ventilated area.
- P302+352: IF ON SKIN: Wash with plenty of soap and water.
- P332+313: If skin irritation occurs: Get medical advice/attention.

- P362: Take off contaminated clothing and wash before reuse.
- P305+351+338: IF IN EYES: Rinse continuously 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
- P304+340: 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.
- 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

Chemical	CAS #	Purity	GHS-US classification
2-Bromo-3-methylpyridine	3430-17-9	98%	Skin irritation (Category 2), H315 Eye irritation (Category 2), H319 Specific target organ toxicity - single exposure (Category 3), H335

SECTION 4: FIRST AID MEASURES

Description of first aid measures

Key symptoms:

Acute effects

- 2-Bromo-3-methylpyridine causes skin, and serious eyes irritation. Direct contact may cause irritation, redness, tearing and blurred vision. It may cause irritation to the respiratory tract. May cause occasional nausea, vomiting and diarrhoea. Exposure to chemicals with a strong odour often results in such non-specific symptoms as headache, dizziness, weakness, and nausea. 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

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.
- **Ingestion:** If swallowed call a poison centre if you feel unwell. Rinse mouth. INDUCE VOMITING by sticking finger in throat. Lower the head so that the vomit will not re-enter the mouth and throat. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive.

SECTION 5 : FIRE-FIGHTING MEASURES

Extinguishing media

- *Appropriate extinguishing media:* Dry chemical powder, carbon dioxide, and alcohol resistant foam. Do not permit water to get inside containers. 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.
- Do not get water inside the containers.
- Fire fighters must wear Self Contained Breathing Apparatus (SCBA) and full protective clothing.
- Report any run-off of fire waters contaminated with this chemical as per local and federal procedures applicable.

Unusual fire and explosion hazard



2-Bromo-3-methylpyridine

Safety Data Sheet

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

- Toxic vapors may be released on thermal decomposition including nitrogen oxides, carbon monoxide, Carbon di-oxide, halogenated compounds e.g HBr gas and irritating and toxic fumes is produced during combustion.
- High vapor concentration may result in an explosion hazard.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

- 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.
- 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.
- Prevent, by any means available, spillage from entering drains or water and watercourses.
- Collect recoverable product into labelled 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

Precautions for safe 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 well ventilated and dry place.
- Store in a flame proof area.
- Keep container tightly closed.
- Store away from incompatible materials.
- Handle and store under nitrogen moisture sensitive.

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

- **Exposure Limits Values**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
2-Bromo-3-methylpyridine	Not available	Not available	Not available

Exposure Controls

Appropriate Engineering 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.
- **Hands:** Wear appropriate protective gloves to prevent skin exposure.



2-Bromo-3-methylpyridine

Safety Data Sheet

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

- **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.
- For emergency situations, wear a positive pressure, pressure-demand, full face piece self-contained breathing apparatus (SCBA) or pressure-demand supplied air respirator with escape SCBA and a fully-encapsulating, chemical resistant suit. (EPA-1998).

General Hygiene and general comments:

- Wash hands and face after working with substance.
- Immediately change contaminated clothing.
- Apply skin protective barrier cream.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

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

Sr.No.	Parameter	Typical value
1.	Appearance	Colourless to yellow to brown color liquid
2.	Odor	Pungent
3.	Odor Threshold	Not available
4.	Molecular weight	172.02 g/mol
5.	pH	~6.0
6.	Melting point/Freezing point	Not available
7.	Initial Boiling point and boiling range	215-220°C at 760 mm Hg
8.	Flash point	110 °C/ 230°F
9.	Evaporation rate (n-BuAc=1)	Not available
10.	Flammability (Solid, gas)	Not available
11.	Upper/lower flammability or Explosive limits	Not available
12.	Vapor pressure	0.218 Torr @ 25°C
13.	Vapor density (air=1)	Not available
14.	Relative density	1.544 gm/cm ³
15.	Solubility	Soluble in methanol, dichloromethane, Acetone
16.	Log Pow, partition coefficient(Octonol /water)	Not available
17.	pKa (@25 °C)	1.08±0.10
18.	Auto-ignition temperature	Not available
19.	Decomposition temperature	Not available
20.	Viscosity	Not available
21.	Explosive property	Not available
22.	Oxidizing property	Not available

SECTION 10: STABILITY AND REACTIVITY

- **Stability:** Stable under specified condition of temperature and pressure.
- **Conditions to avoid:** Keep away from heat, moisture and incompatible chemicals. Avoid excessive heat and light.
- **Incompatible chemicals:** Strong oxidizing agents and reducing agents.
- **Hazardous decomposition products:** Toxic vapors may be released on thermal decomposition including nitrogen oxides, carbon monoxide, Carbon di-oxide, hydrogen cyanide, halogenated compounds e.g HBr gas and irritating and toxic fumes is produced during combustion.
- **Hazardous Polymerization:** Not reported.



2-Bromo-3-methylpyridine

Safety Data Sheet

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

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity	: 2-Bromo-3-methylpyridine causes serious eye irritation. Direct contact may cause irritation, redness, tearing and blurred vision. It may be harmful if swallowed. It is harmful in contact with skin and if inhaled. It may cause irritation to the respiratory tract. May cause occasional nausea, vomiting and diarrhoea.
LD50/LC 50	: Not available
Skin Corrosion/ Irritation	: Not available.
Serious Eye Damage/Irritation	: It causes serious eye irritation.
Respiratory Or Skin Sensitization	: May cause irritation to respiratory system.
Germ Cell Mutagenicity	: Not available.
Carcinogenicity	: Not listed by NTP, IARC and OSHA. Not present on the EU CMR list. According to information presently available 2-Bromo-3-methylpyridine is not found to be carcinogenic..
Reproductive Toxicity	: Not available.
Stot-Single Exposure	: It may cause respiratory irritation, drowsiness or dizziness.
Stot- Repeated Exposure	: Not available.
Aspiration hazard	: Not available.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

- The Ecotoxicity data is not available.

Persistence and degradability

2-Bromo-3-methylpyridine (3430-17-9)	
Persistence and degradability	Not available.

Bioaccumulative potential

2-Bromo-3-methylpyridine (3430-17-9)	
Bioconcentration factor (BCF REACH)	Not available
Log Pow	Not available

Mobility in soil

2-Bromo-3-methylpyridine (3430-17-9)	
Mobility in soil	Not available
Henry's Law Constant	Not available
Log Koc	153 at pH 1, Temp: 25 °C

Other adverse effects



2-Bromo-3-methylpyridine

Safety Data Sheet

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

Other information : It is recommended that the material should not be disposed into the environment. The material should never be disposed into the sewage.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Waste disposal recommendations

- Burn in a chemical incinerator equipped with an afterburner and scrubber.
- Exert extra care in igniting, as this material is combustible liquid.
- 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/US DOT.

Transport	Agency	Class	UN Number
Land Transport	ADR/RID/DOT	Not Dangerous good	Not Applicable
Maritime Transport	IMDG	Not Dangerous good	Not Applicable
Air Transport	IATA	Not Dangerous good	Not Applicable

Environmental hazards

- This chemical is not a marine pollutant.

SECTION 15: REGULATORY INFORMATION

- European Union Information

Classification as per CLP Regulation 1272/2008:

- **Hazards Class and Category:** Eye Dam. Cat 2; Skin Irr. Cat 2; STOT SE Cat 3.
- **Hazard Statements:** H315; H319; H335.

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

US information

- **SARA 302 :**
2-Bromo-3-methylpyridine not listed.
- **SARA 313 Components:**
2-Bromo-3-methylpyridine not listed.
- **California Prop. 65 Components:**
This product is not known to State of California to cause cancer, birth defects, or any other reproductive harm. 2-Bromo-3-methylpyridine not listed

SECTION 16: OTHER INFORMATION

a) Compilation information of safety data sheet

Date of compilation : April 12, 2016



2-Bromo-3-methylpyridine

Safety Data Sheet

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

Chemical : 2-Bromo-3-methylpyridine
CAS # : 3430-17-9
File Name : 0783Gj Ghs00 Div.03 sds 2-Bromo-3-methylpyridine
Revision Number : 00
Date of Revision : April 02, 2024
Revision Due Date : March, 2027
Supersedes date : Not applicable

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.
- 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.
- IARC= International Agency for Research on Cancer.
- EPA=Environmental Protection Agency.
- TSCA= Toxic Substances Control Act.
- SARA= Superfund Amendments and Reauthorization Act.
- 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 European relative au transport international de marchandises.
- IMDG-Code = International Maritime Code for Dangerous Goods.
- 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.
- APCISS

SDS US (GHS HazCom 2012)

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)