



## 2,5-Dibromopyridine Safety Data Sheet

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

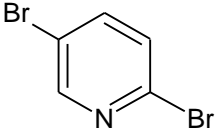
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# 2,5-Dibromopyridine Safety Data Sheet

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	: 2,5-Dibromopyridine
CAS RN	: 624-28-2
EC#	: 210-839-6
Synonyms	: 2, 5-Dibromopyridine
Technical Name	: 2, 5-Dibromopyridine
Molecular Formula	: C <sub>5</sub> H <sub>3</sub> Br <sub>2</sub> N
Structural Formula	: 

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

**Use of the substance:** Advance Pharma Intermediate.

### 1.3 Details of the supplier of the safety data sheet

**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](mailto:support@jubl.com) - [www.jubilantingrevia.com](http://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 corrosion / irritation: Skin Irrit. 2	H315: Causes skin irritation.
Serious eye damage / eye irritation: Eye Irrit. 2	H319: Causes serious eye irritation.
Specific Target Organ Toxicity (Single Exposure): STOT SE 3	H335: May cause respiratory irritation.

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## 2.2 Label Elements

Hazard Pictogram: GHS 07

Signal Word: Warning!



GHS07

## 2.3 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.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

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

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in position comfortable for breathing.

P310: Call a POISON CENTER or doctor/physician if you feel unwell.

P302 + P352: IF ON SKIN: Wash with plenty of soap and water.

P332 + P313: If skin irritation occurs: Get medical advice/attention.

P362: Take off contaminated clothing and wash before use.

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

Substance	CAS #	EC#	% w/w	GHS Classification
2,5-Dibromopyridine	624-28-2	210-839-6	NLT 98%	Skin corrosion / irritation: Skin Irrit. 2 Serious eye damage / eye irritation: Eye Irrit. 2 Specific Target Organ Toxicity (Single Exposure): STOT SE 3

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### Skin Contact:

- Take off contaminated clothing, shoes and wash before use.
- Wash with plenty of soap and water.
- If skin irritation occurs: Get medical advice/attention

#### Eye Contact:



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- Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/ attention.

### **Inhalation:**

- Remove victim to fresh air and keep at rest in position comfortable for breathing.
- Call a POISON CENTER or doctor/physician if you feel unwell.

### **Ingestion:**

- Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

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

- **Skin contact:** There may be irritation and redness at the site of contact.
- **Eye contact:** There may be irritation and redness. The eyes may water profusely.
- **Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur. There may be vomiting.
- **Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

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

- Call a POISON CENTER or doctor/physician if you feel unwell.

## **SECTION 5: FIRE-FIGHTING MEASURES**

### **5.1 Extinguishing media**

- **Suitable extinguishing media**
- Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### **5.2 Special hazards arising from the substance or mixture**

- Carbon oxides, Nitrogen oxides (NO<sub>x</sub>), Hydrogen bromide gas.

### **5.3 Advice for firefighters**

- Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **6.1 Personal precautions, protective equipment and emergency procedures**

- Use personal protective equipment.
- Avoid dust formation.
- Avoid breathing vapours, mist or gas.
- Ensure adequate ventilation.
- Evacuate personnel to safe areas.
- Avoid breathing dust.
- Avoid contact with skin, eyes and clothing.
- Keep people away from and upwind of spill/leak.
- Wear self-contained breathing apparatus and protective suit.
- Rubber gloves.

### **6.2 Environmental precautions**



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- Prevent product from entering drains.
- Do not flush into surface water or sanitary sewer system.

### 6.3 Methods and materials for containment and cleaning up

- Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

- Use only in area provided with appropriate exhaust ventilation.
- Wear personal protective equipment.
- Do not eat, drink or smoke when using this product.
- Wash hands after handling.
- Remove contaminated clothing and protective equipment before entering eating areas.
- Ensure that eyewash stations and safety showers are close to the workstation location.
- Avoid breathing vapors or mists.

### 7.2 Conditions for safe storage, including any incompatibilities

- In accordance with local and national regulations.
- Store in original container.
- Keep away from open flames, hot surfaces and sources of ignition.
- Keep container tightly closed.
- Keep in a dry, cool and well-ventilated place.

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Control parameters

- No data available

### 8.2 Exposure controls

#### Appropriate Engineering Controls:

- Use only in a chemical fume hood.

### 8.3 Individual protection measures, such as personal protective equipment

- **Eye/face protection**
  - Safety glasses with side-shields conforming to EN166.
  - Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
- **Skin protection**
  - Handle with gloves.
  - Gloves must be inspected prior to use.
  - Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.
  - Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.



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- Wash and dry hands.
- The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.
- **Body Protection**
- Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
- **Respiratory protection**
- For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle r (US) or type ABEKP2 (EU EN 143) respirator cartridges.
- Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### 8.4 General hygiene considerations

- Avoid contact with skin, eyes and clothing.
- Ensure that eyewash stations and safety showers are close to the workstation location.
- When using do not eat, drink or smoke.

### 8.5 Additional Information

- When mixing and loading, or cleaning equipment, wear a chemical resistant apron.
- Wash thoroughly with soap and water after handling, and before eating, chewing gum, drinking, using tobacco, or using the toilet.
- Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

### 8.6 Control of environmental exposure

- Prevent product from entering drains.
- Do not contaminate surface water

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- Information on basic physical and chemical properties.

Sr. No.	Parameter	Typical value
1.	Appearance	Off white to light beige powder
2.	Molecular weight	236.9
3.	Odor	Characteristic odor
4.	Odor Threshold	No data available
5.	pH	No data available
6.	Melting point	92-95°C
7.	Boiling Point	235°C
8.	Flash point	96.4±21.8°C
9.	pKa (@250C)	1.57±0.10
10.	Evaporation rate (n-BuAc=1)	No data available
11.	Flammability	No data available
12.	Upper/lower flammability or Explosive limits	No data available
13.	Vapor pressure	0.0754 Torr
14.	Vapor density (air=1)	No data available
15.	Density	1.633-1.635 g/cm3   Condition: Temp: 25°C

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Sr. No.	Parameter	Typical value
16.	Solubility	Insoluble in water and soluble in Acetone, MDC, Alcohol, DMF, etc
17.	Partition coefficient : n-(Octonol / water)	log Pow 1-3
18.	Auto-ignition temperature	No data available
19.	Decomposition temperature	No data available
20.	Viscosity	No data available
21.	Explosive property	No data available
22.	Oxidizing property	No data available

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1 Reactivity

- No data available

#### 10.2 Chemical stability

- Stable under recommended storage conditions.

#### 10.3 Possibility of hazardous reactions

- No data available

#### 10.4 Conditions to avoid

- Heat, flames and sparks.

#### 10.5 Incompatible materials

- Strong oxidising agents. Strong acids.

#### 10.6 Hazardous decomposition products

- Hazardous decomposition products formed under fire conditions. - Carbon oxides, Nitrogen oxides (NO<sub>x</sub>), Hydrogen bromide gas.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

- Acute toxicity: No data available
- Skin irritation / corrosion: Causes skin irritation.
- Eye irritation: Causes serious eye irritation.
- Respiratory or skin sensitization: May cause respiratory irritation.
- Germ cell mutagenicity: No data available.
- Carcinogenicity: No classification data on carcinogenic properties of this material is available from EPA, IARC, NTP, OSHA or ACGIH.
- Reproductive toxicity: No effects known.
- Specific target organ system toxicity - repeated exposure: No effects known.
- Specific target organ system toxicity - single exposure: No data available.
- Aspiration hazard: No data available.

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### SECTION 12: ECOLOGICAL INFORMATION

#### 12.1 Toxicity

**Eco-toxicity:**

- Fish: No data available
- Crustacea: No data available
- Algae: 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

### SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

**Waste Disposal Method:**

- Dispose of contents/container in accordance with local regulation.

**Contaminated Packaging:**

- Empty containers should be taken for local recycling, recovery or waste disposal.

### SECTION 14: TRANSPORT INFORMATION

- This substance is considered to be Non-hazardous for transport by Air/Rail/Road and Sea and thus regulated by TDG/ US DOT/ IATA/ ICAO/ IMO/ IMDG.

	ADR/ RID/ DOT	IMDG	IATA
<b>14.1 UN number</b>	Not applicable	Not applicable	Not applicable
<b>14.2 UN proper shipping name</b>	Not applicable	Not applicable	Not applicable
<b>14.3 Transport hazard class(es)</b>	Not applicable	Not applicable	Not applicable -
<b>14.4 Packing group</b>	Not applicable	Not applicable	Not applicable
<b>14.5 Pictogram</b>	Not applicable	Not applicable	Not applicable
<b>14.6 Environmental hazards</b>	Not applicable	Not applicable	Not applicable
		Not applicable	





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### SECTION 15: REGULATORY INFORMATION

Chemical Inventory Lists:	Status
TSCA:	Not Listed
EINECS:	Not Listed
EC Inventory	Listed
Canada(DSL/NDSL):	Not Listed
China Catalog of Hazardous chemicals 2015	Not Listed
New Zealand Inventory of Chemicals (NZIoC)	Not Listed
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	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

#### a) : Compilation information of safety data sheet

Date of Compilation	: 26 October 2004
Date of Revision	: April 02, 2024
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Version Name	: 0084Gj Ghs05 Div.3 sds 2,5-Dibromopyridine
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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.
- 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.
- 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.



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- 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.
- 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.

**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)