

## Material Safety Data Sheet

### Ammonium bromide

#### SECTION 1.1 – PRODUCT IDENTIFICATION

**Product Name** : Ammonium bromide  
**Molecular Formula** :  $\text{H}_4\text{BrN}$   
**Molecular Weight** : 97.94 g/mol.  
**CAS No.** : 12124-97-9

#### SECTION: 1.2 – COMPANY IDENTIFICATION

**Company Name:** Indenta Chemicals (India) Pvt. Ltd.

**Address:** 117, The Summit Business Bay, Opp Cinemax, Off. Sir M.V. Road, Near WEH Metro Station, Andheri (E), Mumbai 400 093, India

**Telephone #:** +91-22-26849600

**Fax #:** +91-22-26849060

#### SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS #	% by Weight
Ammonium bromide	12124-97-9	100

**Toxicological Data on Ingredients:** Not Available.

#### SECTION 3: HAZARD IDENTIFICATION

##### Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008

Eye irritation (Category 2), H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

##### Label elements

Labelling according Regulation (EC) No 1272/2008

##### Signal word Warning

##### Hazard statement(s)

H319 Causes serious eye irritation.

##### Precautionary statement(s)

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

##### Supplemental Hazard

**Statements** none

**Other hazards** This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

#### Indenta Chemicals (India) Pvt. Ltd.

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Unit 1: Plot No. 1405, GIDC Sarigam, Dist. Valsad, Gujarat – 396155

Unit 2: Building No. 73, Gala No. 7, Indian Corporation Compound, Village Gundavli, Mankoli Naka, Bhiwandi, Thane - 421302

## SECTION 4: FIRST AID MEASURES

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### Description of first aid measures

#### General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

#### In case of skin contact

Wash off with soap and plenty of water. Consult a physician.

#### In case of eye contact

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

#### Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

#### Indication of any immediate medical attention and special treatment needed

No data available

## SECTION 5: FIRE AND EXPLOSION DATA

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### Extinguishing media

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

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

#### Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

#### Further information

No data available

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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### Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

#### For personal protection see section 8.

#### Environmental precautions

Do not let product enter drains.

#### 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.

#### Reference to other sections

For disposal see section 13.

## SECTION 7: HANDLING AND STORAGE

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### Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire

protection.

For precautions see section 2.2.

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

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Air sensitive. Hygroscopic.

Storage class (TRGS 510): Combustible Solids

#### **Specific end use(s)**

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

## **SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION**

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### **Control parameters**

#### **Exposure controls**

##### **Appropriate engineering controls**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

#### **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.

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.

##### **Full contact**

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M)

##### **Splash contact**

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: Dermatrill® (KCL 740 / Aldrich Z677272, Size M)

Data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de,

test method: EN374

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial situation of anticipated use by our customers. It should not be

Construed as offering an approval for any specific use scenario.

##### **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).

Control of environmental exposure

Do not let product enter drains.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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### Information on basic physical and chemical properties

- a) **Appearance Form:** powder Colour: colourless
- b) **Odour** No data available
- c) **Odour Threshold** No data available
- d) **PH** 5.0 - 6.5 at 50 g/l at 25 °C
- e) **Melting point/freezing point Melting point/range:** 452 °C - lit.
- f) **Initial boiling point and boiling range** No data available
- g) **Flash point** Not applicable
- h) **Evaporation rate** No data available
- i) **Flammability (solid, gas)** No data available
- j) **Upper/lower flammability or explosive limits** No data available
- k) **Vapour pressure** 1 mmHg at 197.7 °C
- l) **Vapour density** No data available
- m) **Relative density** 2.43 g/mL at 25 °C
- n) **Water solubility** No data available
- o) **Partition coefficient: noctanol/water** No data available
- p) **Auto-ignition temperature** No data available
- q) **Decomposition temperature** No data available
- r) **Viscosity** No data available
- s) **Explosive properties** No data available
- t) **Oxidizing properties** No data available

## SECTION 10: STABILITY AND REACTIVITY

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### Reactivity

No data available

### Chemical stability

Stable under recommended storage conditions.

### Possibility of hazardous reactions

No data available

### Conditions to avoid

Avoid moisture.

### Incompatible materials

Strong oxidizing agents, Strong acids, Strong bases, Heavy metals, Silver salts, Potassium

### Hazardous decomposition products

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

### Other decomposition products - No data available

In the event of fire: see section 5

## SECTION 11: TOXICOLOGICAL INFORMATION

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### Information on toxicological effects

#### Acute toxicity

LD50 Oral - Rat - 2,700 mg/kg (Ammonium bromide)

Remarks: Sense Organs and Special Senses (Nose, Eye, Ear, and Taste): Olfaction: Other changes.

Behavioral: Somnolence (general depressed activity). Lungs, Thorax, or Respiration: Other changes.

#### Skin corrosion/irritation

Skin - Rabbit (Ammonium bromide)

Result: No skin irritation

**Serious eye damage/eye irritation**

Eyes - Rabbit (Ammonium bromide)

Result: Mild eye irritation

**Respiratory or skin sensitisation**

No data available (Ammonium bromide)

**Germ cell mutagenicity**

No data available (Ammonium bromide)

**Carcinogenicity**

**IARC:** No components of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**Reproductive toxicity**

No data available (Ammonium bromide)

**Specific target organ toxicity - single exposure**

No data available (Ammonium bromide)

**Specific target organ toxicity - repeated exposure**

No data available

**Aspiration hazard**

No data available (Ammonium bromide)

**Additional Information**

**RTECS:** BO9155000

Bronchitis., Confusion., Tremors, Headache, Anorexia., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.(Ammonium bromide)

## SECTION 12: ECOLOGICAL INFORMATION

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**Toxicity**

No data available

**Persistence and degradability**

No data available

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available (Ammonium bromide)

**Results of PBT and vPvB assessment**

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**Other adverse effects**

No data available

## SECTION 13: DISPOSAL CONSIDERATION

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**Waste treatment methods**

**Product**

Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chem scrubber.

**Contaminated packaging**

Dispose of as unused product.

**SECTION 14: TRANSPORT INFORMATION**

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**UN number**

ADR/RID: -

IMDG: -

IATA: -

**UN proper shipping name**

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

**Transport hazard class (es)**

ADR/RID: -

IMDG: -

IATA: -

**Packaging group**

ADR/RID: -

IMDG: -

IATA: -

**Environmental hazards**

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

**Special precautions for user**

No data available

**SECTION 15: OTHER REGULATORY INFORMATION**

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

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

**Chemical safety assessment**

For this product a chemical safety assessment was not carried out

**SECTION 16: ADDITIONAL INFORMATION**

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This information is provided for documentation purposes only.

The information contained in this Certificate of Analysis and Material Safety Data Sheet is obtained from current and reliable sources. The information contained herein is true and to the best of Indenta Chemicals (India) Pvt. Ltd.

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