

Creation Date Oct-2013

Revision Date Oct-2018

Revision Number 2

## SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**Product Identifier**

**Product Description:**

**Ammonium bromide**

**Product Grade:**

SQ

**Cat No.**

Q16295

**CAS- No:**

12124-97-9

**Synonyms**

Hydrobromic Acid Monoammoniate.

**Relevant identified uses of the substance or mixture and uses advised against**

**Recommended Use**

Laboratory chemicals

**Uses advised against**

No Information available

**Details of the supplier of the safety data sheet**

**Company**

Thermo Fisher Scientific India Pvt. Ltd  
403-404, B-wing, Delphi, Hiranandani Business Park,  
Powai, Mumbai 400076, INDIA.

**E-mail address**

[laboratorysolutions@thermofisher.com](mailto:laboratorysolutions@thermofisher.com)

**Emergency telephone number**

India Toll Free: 18 00 22 22 30  
Chemtrec US: (800)424-9300  
Chemtrec EU: 001(202)483-7616

## SECTION 2. HAZARDS IDENTIFICATION

**Classification of the substance or mixture**

**REGULATION (EC) No 1272/2008**

Serious Eye Damage/Eye Irritation

Category 2

**Classification according to EU Directives 67/548/EEC or 1999/45/EC**

*For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16*

**Symbol(s)**

Xi - Irritant

**R-phrases(s)**

R36 - Irritating to eyes

**Label Elements**



**Signal Word**

**Warning**

# SAFETY DATA SHEET

Ammonium bromide

Revision Date Oct-2018

## Hazard Statements

H319 - Causes serious eye irritation

P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection

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

## Other Hazards

No information available.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	EC-No.	Weight %	CAS-No	67/548/EEC Classification	CLP Classification - Regulation (EC) No 1272/2008	REACH No.
Ammonium bromide 12124-97-9	EEC No. 235-183-8	>95	12124-97-9	Xi; R36	Eye Irrit. 2 (H319) -	

**For the full text of the R-phrases and H-Statements mentioned in this Section, see Section 16**

## SECTION 4. FIRST AID MEASURES

### Description of first aid measures

#### **Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

#### **Skin Contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. In the case of skin irritation or allergic reactions see a physician.

#### **Ingestion**

Never give anything by mouth to an unconscious person. Drink plenty of water. Get medical attention. If possible drink milk afterwards.

#### **Inhalation**

Remove from exposure, lie down. Move to fresh air. If symptoms persist, call a physician. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

#### **Notes to Physician**

Treat symptomatically

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing media

# SAFETY DATA SHEET

Ammonium bromide

Revision Date Oct-2018

## **Suitable Extinguishing Media**

Water spray. Carbon dioxide (CO<sub>2</sub>). Dry chemical. chemical foam.

## **Extinguishing media which must not be used for safety reasons**

No information available.

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

Thermal decomposition can lead to release of irritating gases and vapors

## **Advice for fire-fighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

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

Ensure adequate ventilation

### **Environmental precautions**

Prevent further leakage or spillage if safe to do so

### **Methods and material for containment and cleaning up**

Avoid dust formation. Sweep up or vacuum up spillage and collect in suitable container for disposal.

## **SECTION 7. HANDLING AND STORAGE**

### **Precautions for Safe Handling**

Avoid contact with skin and eyes. Avoid breathing vapors or mists. Do not ingest. Use only in well-ventilated areas. Minimize dust generation and accumulation.

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

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

### **Specific End Uses**

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### **Control parameters**

#### **Exposure limits**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

# SAFETY DATA SHEET

Ammonium bromide

Revision Date Oct-2018

## Biological limit values

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

## Derived No Effect Level (DNEL)

No information available.

## Predicted No Effect Concentration (PNEC)

No information available.

## Exposure controls

### Engineering Measures

Ensure adequate ventilation, especially in confined areas

### Personal protective equipment

#### Eye Protection

Goggles

#### Hand Protection

Protective gloves

#### Skin and body protection

Wear appropriate protective gloves and clothing to prevent skin exposure

#### Respiratory Protection

Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced

## Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice

## Environmental exposure controls

No information available.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical State

Powder, Solid

### Appearance

White

### odor

odorless

### pH

4.5-5.5

### Boiling Point/Range

235°C / 455°F

### Melting Point/Range

452°C / 845.6°F

### Flash Point

No information available.

### Autoignition Temperature

No information available.

### Water Solubility

970g/L (25°C)

### Molecular Formula

H4 Br N

### Molecular Weight

97.94

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

### Chemical Stability

Hygroscopic. Air sensitive. Stable.

### Possibility of Hazardous Reactions

### Hazardous Polymerization

No information available.

### Hazardous Reactions .

No information available.

### Conditions to Avoid

# SAFETY DATA SHEET

Ammonium bromide

Revision Date Oct-2018

Exposure to air, Incompatible products, Exposure to moisture.

## Incompatible Materials

Strong oxidizing agents, Strong acids, Strong bases.

## Hazardous Decomposition Products

Hydrogen halides. Ammonia.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects

#### Acute Toxicity

#### Component Information

##### Component

Ammonium bromide

LD50 Oral	LD50 Dermal	LC50 Inhalation
2700 mg/kg ( Rat )		

#### Chronic Toxicity

##### Carcinogenicity

There are no known carcinogenic chemicals in this product

##### Sensitization

No information available.

##### Mutagenic Effects

No information available

##### Reproductive Effects

No information available.

##### Developmental Effects

No information available.

##### Target Organs

No information available.

##### Other Adverse Effects

The toxicological properties have not been fully investigated.

##### Endocrine Disruptor Information

None known

## SECTION 12. ECOLOGICAL INFORMATION

#### Toxicity

##### Ecotoxicity effects

Contains no substances known to be hazardous to the environment or that are not degradable in waste water treatment plants

# SAFETY DATA SHEET

Ammonium bromide

Revision Date Oct-2018

## Persistence and degradability

No information available

## Bioaccumulative potential

No information available.

## Mobility in soil

No information available.

## Results of PBT and vPvB assessment

## Other adverse effects

No information available

## SECTION 13. DISPOSAL CONSIDERATIONS

### Waste treatment methods

**Waste from Residues / Unused Products**

Dispose of in accordance with local regulations

**Contaminated Packaging**

Empty containers should be taken to local recyclers for disposal

## SECTION 14. TRANSPORT INFORMATION

### IMDG/IMO

Not regulated

### ADR

Not regulated

### IATA

Not regulated

## SECTION 15. REGULATORY INFORMATION

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

### International Inventories

Component	EINECS	ELINCS	NLP	TSCA	DSL	NDSL	PICCS	ENCS	CHINA	AICS	KECL
Ammonium bromide	235-183-8	-		X	X	-	X	X	X	X	X

# SAFETY DATA SHEET

Ammonium bromide

Revision Date Oct-2018

## Legend

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**CHINA** - China Inventory of Existing Chemical Substances

**AICS** - Inventory of Chemical Substances

**KECL** - Existing and Evaluated Chemical Substances

## Chemical Safety Assessment

### SECTION 16. OTHER INFORMATION

#### Full text of R-phrases referred to under sections 2 and 3

R36 - Irritating to eyes

Creation Date	Oct-2013
Next Revision Date	Oct-2023
Revision Summary	SDS section 1 updated and update of Format

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

#### **Disclaimer**

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of Safety Data Sheet**