



Safety Data Sheet

In accordance with CFR 1910.1200 (OSHA HCS)

SDS No. 633

Review date: October 11, 2018

1 Identification of substance and company

Product name: **Potassium bromide**
Product code: 11753, 11755, 13664, 14130
Relevant identified uses of the substance: Research and product development
Manufacturer/Supplier: Noah Technologies Corporation
1 Noah Park
San Antonio, Texas 78249-3419
Phone: 210-691-2000
Fax: 210-691-2600
Web site: www.noahtech.com

Emergency information: CHEMTREC
800-424-9300

2 Hazards identification

Emergency Overview:

Pictogram(s):



Signal word(s):

Warning

Hazard statements:

H319: Causes serious eye irritation

Precautionary statements:

P264: Wash skin thoroughly after handling
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.
P337 + P313: If eye irritation persists: Get medical advice/attention
P403 + P233: Store in a well-ventilated place. Keep container tightly closed.

GHS Classification:

Eye irritation - 2A

Hazards not otherwise classified:

None

HMIS ratings (scale 0-4):

Health hazard:	2
Flammability:	0
Physical hazard:	0

3 Composition/Information on ingredients

Chemical name: Potassium bromide
Designation: (CAS#): 7758-02-3
EC number: 231-830-3
Formula: KBr
Synonyms: None known

4 First aid measures

After inhalation: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Only qualified personnel should administer oxygen. Get medical attention.

After skin contact: Wash with soap and water. If irritation persists seek medical advice.

After eye contact: Rinse opened eye for at least 15 minutes under running water. Assure adequate flushing by separating the eyelids with fingers. If irritation persists, seek medical advice.

After ingestion: If conscious, rinse mouth out with water. Never give anything by mouth to an unconscious person. Seek medical advice.

Information for doctor: Show this safety data sheet to the doctor in attendance

5 Fire-fighting measures

Suitable and unsuitable extinguishing agents: Use water spray, carbon dioxide, dry chemical, earth, sand, or foam

Special hazards caused by the material, its products of combustion or resulting gases:
Special fire fighting procedures:

Oxides of potassium, hydrogen bromide

Wear self-contained breathing apparatus. Always wear full fire fighting equipment/clothing in fire situations

6 Accidental release measures

Person-related safety precautions:

Always wear personal protective equipment. Keep unprotected persons away. Ensure adequate ventilation. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.

Measures for environmental protection:

Prevent spread or spill. Sweep or scoop up and remove. Avoid raising dust. Ventilate area and wash spill after material pickup is complete. Do not allow material to be released to proper the environment without governmental permits.

Measures for cleaning/collecting:

Sweep or scoop up and remove. Keep in suitable, closed containers for disposal. Dispose of contaminated material as waste according to item 13

Additional information:

See Section 7 for information on safe handling
See Section 8 for information on personal protective equipment
See Section 13 for information on disposal
See Section 15 for regulatory information

7 Handling and storage

Information for safe handling:

Keep container tightly sealed. Store in cool, dry place. Ensure good ventilation/exhaust at the workplace

Storage requirements to be met by storerooms and containers:

No special requirements.

Incompatibility (avoid contact with):

Strong acids, oxidizers, aluminum, potassium, heavy metal salts

Further information about storage conditions:

Avoid Water / moisture
Hygroscopic

8 Exposure controls/personal protection

Ventilation requirements:

Always maintain exposure below permissible exposure limits. Local exhaust.

Components with exposure limits that require monitoring:

Not available

Additional information:

None

General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be adhered to
Keep away from foodstuffs, beverages and food
Instantly remove any soiled and impregnated garments
Wash hands during breaks and at the end of the work
Avoid contact with the eyes and skin

Personal protective equipment:

Respiratory protection:

Only use NIOSH/MESA or CEN approved equipment. For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator.

Hand protection:

Neoprene / Natural rubber / Impervious

Eye protection:

Safety glasses / goggles

Skin protection:

Protective work clothing

Additional protective equipment:

Sufficient to prevent contact. Emergency eyewash and safety shower.

9 Physical and chemical properties

Physical state:

Crystalline powder, pieces, or chunks

Color:

White

Odor:

Odorless

Molecular Weight (Calculated):

119.01

pH

5 - 6 @ 119 g/L @ 25 C

Melting point/freezing point/range:

734 C

Boiling point/range:

1435 C

Sublimation temperature/start:

Not determined

Flash point:

Non-flammable

Autoignition temperature:

No data available

Danger of explosion:

No data available

Flammable limits:

Lower:

No data available

Upper:

No data available

Evaporation Rate:

No data available

Vapor pressure (mm Hg):

1 mmHg @ 795 C

Specific gravity:

2.75

Solubility in/Miscibility with water:

700 g/L @ 25 C

Other safety information:

No data available

10 Stability and reactivity

Chemical stability:

Stable under recommended storage conditions

Conditions to be avoided:	Water / Moisture See section 7 for information on proper handling and storage Violent reaction with bromine trifluoride
Materials to be avoided:	Strong acids; strong oxidizers, aluminum, potassium, heavy metal salts
Hazardous Decomposition products:	Oxides of potassium, hydrogen bromide

11 Toxicological information

LD/LC50 values that are relevant for classification:	oral-rat LD ₅₀ : 3070 mg/kg
Primary irritant or corrosive effect:	
on the skin:	None
on the eye:	Irritant
Inhalation:	Material is irritating to mucous membranes and upper respiratory tract
Signs and symptoms of exposure:	May be harmful by inhalation, ingestion, or skin absorption. Can cause central nervous depression. Ingestion of large quantities can cause irritability, confusion, tremors, acne-like skin eruptions, memory loss, headache, slurred speech and anorexia.
Carcinogenicity:	To the best of our knowledge the acute and chronic toxicity of this substance is not fully known No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH

12 Ecotoxicological information

Toxicity:	
Toxicity to fish:	Fathead minnow LC ₅₀ : > 30 mg/L:96H
Toxicity to daphnia and other aquatic invertebrates:	Daphnia magna EC ₅₀ : > 100 mg/L:48H
Persistence and degradability:	No data available
Bioaccumulative potential:	No data available
Mobility in soil:	No data available
Other adverse effects:	No data available

13 Disposal considerations

Recommendation:	Consult state, local or national regulation for proper disposal Allow professional disposal company to handle waste Must be specially treated under adherence to official regulations
Unclean packagings recommendation:	Disposal must be made according to official regulations

14 Transport information

Land transport DOT	
Proper shipping name:	Chemicals Non-Hazardous
Technical name:	Potassium bromide
Air transport ICAO-TI and IATA-DGR:	
Proper shipping name:	Chemicals Non-Hazardous
Technical name:	Potassium bromide
UPS Ground / FedEx Ground	
Proper shipping name:	Chemicals Non-Hazardous
Technical name:	Potassium bromide
UPS Air	
Proper shipping name:	Chemicals Non-Hazardous
Technical name:	Potassium bromide

15 Regulatory information

SARA Section 302 Extremely Hazardous components and corresponding TPQs:	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302
SARA Section 311 / 312 hazards:	Acute health hazard, Chronic health hazard
SARA Section 313 components:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title II, Section 313
California Proposition 65 components:	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm
TSCA:	Listed

16 Other information

The above information is accurate to the best of our knowledge. However, since data, safety standards and government regulation are subject to change and the conditions of handling and use, or misuse are beyond our control. NOAH MAKES NO WARRANTY, EITHER EXPRESSED OR IMPLIED, WITH RESPECT TO THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. User should satisfy himself that he has all current data relevant to his particular use.