

Potassium bromate concentrate**38080-1EA**

Version 1.3

Revision Date 09/29/2023

Print Date 09/30/2023

SECTION 1. IDENTIFICATION

Product name : Potassium bromate concentrate

Number : 000000022030

Product Use Description : Laboratory chemicals

Manufacturer or supplier's details : Honeywell International Inc.
1953 South Harvey Street
Muskegon, MI 49442

For more information call : 1-800-368-0050
+1-231-726-3171(Monday-Friday, 9:00am-5:00pm)

In case of emergency call : **Medical: 1-800-498-5701 or +1-303-389-1414**
: **Transportation (CHEMTREC): 1-800-424-9300 or**
: **+1-703-527-3887**
:
: (24 hours/day, 7 days/week)

SECTION 2. HAZARDS IDENTIFICATION**Emergency Overview**

Form : liquid

Color : No data available

Odor : No data available

Classification of the substance or mixture

Classification of the substance : Carcinogenicity, Category 1B
or mixture

GHS Label elements, including precautionary statements

Potassium bromate concentrate**38080-1EA**

Version 1.3

Revision Date 09/29/2023

Print Date 09/30/2023

Symbol(s)

:



Signal word

: Danger

Hazard statements

: May cause cancer.

Precautionary statements

: **Prevention:**

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Use personal protective equipment as required.

Response:

IF exposed or concerned: Get medical advice/ attention.

Storage:

Store locked up.

Disposal:

Dispose of contents/ container to an approved waste disposal plant.

Carcinogenicity

IARC:

Potassium bromate

7758-01-2

Group 2B: Possibly carcinogenic to humans

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula

: BrKO3

Chemical nature

: Mixture

Chemical name	CAS-No.	Concentration
Potassium bromate	7758-01-2	>=3.00 - <5.00 %

Potassium bromate concentrate**38080-1EA**

Version 1.3

Revision Date 09/29/2023

Print Date 09/30/2023

Water

7732-18-5

≥95.00 - ≤100.00 %

SECTION 4. FIRST AID MEASURES

- General advice : First aider needs to protect himself. Move out of dangerous area. Take off all contaminated clothing immediately.
- Inhalation : In case of accident by inhalation: remove casualty to fresh air and keep at rest. Consult a physician.
- Skin contact : After contact with skin, wash immediately with plenty of water. If symptoms persist, call a physician.
- Eye contact : Protect unharmed eye. Rinse thoroughly with plenty of water, also under the eyelids. Call a physician immediately.
- Ingestion : Do not induce vomiting without medical advice. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. Call a physician immediately.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray
Foam
Carbon dioxide (CO₂)
Dry powder
- Specific hazards during firefighting : In case of fire hazardous decomposition products may be produced such as:
Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus and protective suit.
No unprotected exposed skin areas.

Potassium bromate concentrate**38080-1EA**

Version 1.3

Revision Date 09/29/2023

Print Date 09/30/2023

SECTION 6. ACCIDENTAL RELEASE MEASURES

- | | | |
|---|---|--|
| Personal precautions,
protective equipment and
emergency procedures | : | Evacuate personnel to safe areas.
Wear personal protective equipment. Unprotected persons
must be kept away.
Ensure adequate ventilation.
Avoid breathing dust or spray mist.
Avoid contact with skin, eyes and clothing. |
| Environmental precautions | : | Prevent further leakage or spillage if safe to do so.
Do not flush into surface water or sanitary sewer system. |
| Methods and materials for
containment and cleaning
up | : | Ventilate the area.
Soak up with inert absorbent material.
Take up mechanically and collect in suitable container for
disposal.
Dispose of in accordance with local regulations. |

SECTION 7. HANDLING AND STORAGE**Handling**

- | | | |
|----------------------------------|---|---|
| Precautions for safe
handling | : | Wear personal protective equipment.
Use only in well-ventilated areas.
Avoid exposure - obtain special instructions before use.
Avoid breathing dust or spray mist.
Avoid contact with skin, eyes and clothing. |
|----------------------------------|---|---|

- | | | |
|--|---|---|
| Advice on protection against
fire and explosion | : | Normal measures for preventive fire protection. |
|--|---|---|

Storage

- | | | |
|--|---|--|
| Conditions for safe storage,
including any
incompatibilities | : | Store in original container.
Keep containers tightly closed in a dry, cool and well-ventilated
place.
Keep locked up or in an area accessible only to qualified or
authorised persons. |
|--|---|--|

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Potassium bromate concentrate**38080-1EA**

Version 1.3

Revision Date 09/29/2023

Print Date 09/30/2023

- Protective measures : Ensure that eyewash stations and safety showers are close to the workstation location.
Legal requirements are to be considered in regard of the selection, use and care of personal protective equipment.
Avoid exposure - obtain special instructions before use.
- Engineering measures : Use product only in closed system.
Prevent vapour buildup by providing adequate ventilation during and after use.
- Eye protection : Safety goggles
- Hand protection : Latex gloves
Gloves must be inspected prior to use.
Replace when worn.
- Skin and body protection : Wear suitable protective equipment.
Lab coat
Complete suit protecting against chemicals
- Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.
- Hygiene measures : Remove and wash contaminated clothing before re-use.
Recommended preventive skin protection
Wash hands before breaks and at the end of workday.
Usual hygienic precautions must be taken when working with dangerous cancer causing substances.
Keep working clothes separately.
Separate rooms are required for washing, showering and changing clothes.

Exposure Guidelines

Components	CAS-No.	Value	Control parameters	Update	Basis
Potassium bromate	7758-01-2	TWA : Time weighted average	0.1 mg/m ³	2007	WEEL:US. OARS. WEELs Workplace Environmental Exposure Level Guide, as amended

Potassium bromate concentrate**38080-1EA**

Version 1.3

Revision Date 09/29/2023

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: liquid
Color	: No data available
Odor	: No data available
Odor threshold	: Note: No data available
pH	: Note: No data available
Melting point/range	: Note: Not applicable
Boiling point/boiling range	: Note: No data available
Flash point	: Note: No data available
Evaporation rate	: Note: No data available
Lower explosion limit	: Note: No data available
Upper explosion limit	: Note: No data available
Vapor pressure	: Note: No data available
Vapor density	: Note: No data available
Density	: 1.024 g/cm ³ at 20 °C
Water solubility	: Note: completely miscible

Potassium bromate concentrate**38080-1EA**

Version 1.3

Revision Date 09/29/2023

Print Date 09/30/2023

Ignition temperature : Note: No data available

Decomposition temperature : Note: No decomposition if used as directed.

Viscosity, kinematic : Note: No data available

Oxidizing properties : The substance or mixture is not classified as oxidizing.

Molecular weight : 167 g/mol

SECTION 10. STABILITY AND REACTIVITY

Reactivity : Not classified as a reactivity hazard.

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous reactions : Hazardous polymerisation does not occur.

Conditions to avoid : Heat, flames and sparks.
Keep away from direct sunlight.

Incompatible materials : Strong oxidizing agents

Hazardous decomposition products : In case of fire hazardous decomposition products may be produced such as:
Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : Acute toxicity estimate: 2,000 mg/kg
Method: Calculation method

Potassium bromate concentrate**38080-1EA**

Version 1.3

Revision Date 09/29/2023

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Acute inhalation toxicity	: Note: No data available
Acute dermal toxicity	: Note: No data available
Skin irritation	: Note: No data available
Eye irritation	: Note: No data available
Sensitisation	: Note: No data available
Repeated dose toxicity	: Note: No data available
Genotoxicity in vitro	: Note: No data available
Carcinogenicity	: Species: not specified Note: Classification based on Annex VI of regulation 1272/2008/EC.
Reproductive toxicity	: Species: not specified Note: No data available
Further information	: Note: May cause cancer.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Toxicity to fish	: Note: No data available
Toxicity to daphnia and other aquatic invertebrates	: Note: No data available

Potassium bromate concentrate**38080-1EA**

Version 1.3

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Toxicity to algae : Note: No data available

Elimination information (persistence and degradability)

Biodegradability : Note: The methods for determining biodegradability are not applicable to inorganic substances.

Further information on ecology**SECTION 13. DISPOSAL CONSIDERATIONS**

Disposal methods : Observe all Federal, State, and Local Environmental regulations.

SECTION 14. TRANSPORT INFORMATION**DOT** Not dangerous goods**TDG** Not dangerous goods**IATA** Not dangerous goods**IMDG** Not dangerous goods**SECTION 15. REGULATORY INFORMATION****Inventories**

US. Toxic Substances Control Act : On TSCA Inventory

Australia. Inventory of Industrial Chemicals (AIIC), as amended : On the inventory, or in compliance with the inventory

Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL) : All components of this product are on the Canadian DSL

Potassium bromate concentrate**38080-1EA**

Version 1.3

Revision Date 09/29/2023

Print Date 09/30/2023

Japan. Kashin-Hou Law List : On the inventory, or in compliance with the inventory

Korea. Existing Chemicals Inventory (KECI) : On the inventory, or in compliance with the inventory

Philippines. Inventory of Chemicals and Chemical Substances (PICCS) : On the inventory, or in compliance with the inventory

China. Inventory of Existing Chemical Substances (IECSC) : On the inventory, or in compliance with the inventory

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand : On the inventory, or in compliance with the inventory

Taiwan Chemical Substance Inventory (TCSI) : On the inventory, or in compliance with the inventory

National regulatory information**SARA 302 Components** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.**SARA 313 Components** : The following components are subject to reporting levels established by SARA Title III, Section 313:
: Potassium bromate 7758-01-2**SARA 311/312 Hazards** : Chronic Health Hazard**California Prop. 65** :**WARNING:** This product can expose you to chemicals, listed below, known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

Potassium bromate

7758-01-2

Potassium bromate concentrate**38080-1EA**

Version 1.3

Revision Date 09/29/2023

Print Date 09/30/2023

Massachusetts RTK	:	Potassium bromate	7758-01-2
New Jersey RTK	:	Potassium bromate	7758-01-2
Pennsylvania RTK	:	Potassium bromate	7758-01-2

SECTION 16. OTHER INFORMATION

	HMIS III	NFPA
Health hazard	: 1*	1
Flammability	: 1	1
Physical Hazard	: 0	
Instability	:	0

* - Chronic health hazard

Hazard rating and rating systems (e.g. HMIS® III, NFPA): This information is intended solely for the use of individuals trained in the particular system.

Further information

The information provided in 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text. Final determination of suitability of any material is the sole responsibility of the user. This information should not constitute a guarantee for any specific product properties.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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