

**Potassium iodate concentrate****38120-1EA**

Version 1.1

Revision Date 10/23/2023

Print Date 10/24/2023

**SECTION 1. IDENTIFICATION**

Product name : Potassium iodate concentrate

Number : 000000021509

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 : colourless

Odor : No data available

**Classification of the substance or mixture**

Not a hazardous substance or mixture according to the Globally Harmonised System (GHS).

Precautionary statements : **Prevention:**  
Use personal protective equipment as required.

Hazards not otherwise : Repeated or prolonged exposure may irritate eyes, skin and

**Potassium iodate concentrate****38120-1EA**

Version 1.1

Revision Date 10/23/2023

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classified

respiratory system.

**Carcinogenicity**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP, IARC, or OSHA.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Formula : IKO3

Chemical nature : Mixture

| Chemical name    | CAS-No.   | Concentration        |
|------------------|-----------|----------------------|
| Water            | 7732-18-5 | >=90.00 - <=100.00 % |
| Potassium iodate | 7758-05-6 | >=1.00 - <5.00 %     |

**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 : If breathed in, move person into fresh air. If symptoms persist, call a physician.
- Skin contact : After contact with skin, wash immediately with plenty of water. Call a physician if irritation develops or persists.
- Eye contact : Rinse thoroughly with plenty of water, also under the eyelids. Protect unharmed eye. Call a physician immediately.
- Ingestion : When swallowed, allow water to be drunk. Call a physician immediately.

**Notes to physician**

**Potassium iodate concentrate****38120-1EA**

Version 1.1

Revision Date 10/23/2023

Print Date 10/24/2023

Most important symptoms/effects, acute and delayed : No information available.

Indication of immediate medical attention and special treatment needed, if necessary : Treat symptomatically.

**SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media : Water spray  
Foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry powder

Specific hazards during firefighting : Fire may cause evolution of:  
Potassium oxide  
Iodine compounds

Special protective equipment for firefighters : Wear an approved positive pressure self-contained breathing apparatus in addition to standard fire fighting gear.

Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**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.  
Provide 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.  
Should not be released into the environment.  
Do not flush into surface water or sanitary sewer system.

Methods and materials for containment and cleaning : Use mechanical handling equipment.  
Soak up with inert absorbent material.

**Potassium iodate concentrate****38120-1EA**

Version 1.1

Revision Date 10/23/2023

Print Date 10/24/2023

up

Sweep up and shovel into suitable containers 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 inhalation, ingestion and contact with skin and eyes.

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.

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

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 breathing dust or spray mist.  
Avoid contact with skin, eyes and clothing.

Engineering measures : Provide adequate ventilation.

Eye protection : Safety glasses with side-shields

Hand protection : Protective gloves  
Gloves must be inspected prior to use.  
Replace when worn.

Skin and body protection : Wear suitable protective equipment.  
Wear as appropriate:  
Protective suit

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory

**Potassium iodate concentrate****38120-1EA**

Version 1.1

Revision Date 10/23/2023

Print Date 10/24/2023

equipment.

Hygiene measures : General industrial hygiene practice.  
Take off all contaminated clothing immediately.  
Remove and wash contaminated clothing before re-use.  
Keep working clothes separately.  
Wash hands before breaks and at the end of workday.  
When using do not eat or drink.

**Exposure Guidelines**

Contains no substances with occupational exposure limit values.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Physical state : liquid

Color : colourless

Odor : No data available

Odor threshold : Note: No data available

pH : Note: No data available

Melting point/range : Note: No data available

Boiling point/boiling range : 100 °C

Flash point : Note: Not applicable

Evaporation rate : Note: No data available

Lower explosion limit : Note: Not applicable

Upper explosion limit : Note: Not applicable

**Potassium iodate concentrate****38120-1EA**

Version 1.1

Revision Date 10/23/2023

Print Date 10/24/2023

|   |   |
|---|---|
| Vapor pressure                            | : Note: No data available                     |
| Vapor density                             | : Note: No data available                     |
| Density                                   | : Note: No data available                     |
| Water solubility                          | : Note: completely miscible                   |
| Partition coefficient:<br>n-octanol/water | : Note: No data available                     |
| Ignition temperature                      | : Note: Not applicable                        |
| Decomposition temperature                 | : Note: No decomposition if used as directed. |
| Viscosity, dynamic                        | : Note: No data available                     |
| Viscosity, kinematic                      | : Note: No data available                     |
| Molecular weight                          | : 214.00 g/mol                                |

**SECTION 10. STABILITY AND REACTIVITY**

|                                       |  |
|---------------------------------------|--|
| Reactivity                            | : Not classified as a reactivity hazard.       |
| Chemical stability                    | : Stable under recommended storage conditions. |
| Possibility of hazardous<br>reactions | : Hazardous polymerisation does not occur.     |
| Conditions to avoid                   | : Extremes of temperature and direct sunlight. |
| Incompatible materials                | : Strong reducing agents<br>Powdered metals    |

**Potassium iodate concentrate****38120-1EA**

Version 1.1

Revision Date 10/23/2023

Print Date 10/24/2023

Hazardous decomposition products : Potassium oxide  
Iodine compounds

**SECTION 11. TOXICOLOGICAL INFORMATION**

Acute oral toxicity : Acute toxicity estimate: > 5,000 mg/kg  
Method: Calculation method

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

Genotoxicity in vitro : Note: No data available

Carcinogenicity : Species: not specified  
Note: No data available

Reproductive toxicity : Species: not specified  
Note: No data available

**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity effects**

**Potassium iodate concentrate****38120-1EA**

Version 1.1

Revision Date 10/23/2023

Print Date 10/24/2023

Toxicity to fish : Note: No data available

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

Toxicity to algae : Note: No data available

**Elimination information (persistence and degradability)**

Mobility : Note: No data available

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 : On TSCA Inventory



**Potassium iodate concentrate****38120-1EA**

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## Control Act

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

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** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards** : No SARA Hazards

**Potassium iodate concentrate****38120-1EA**

Version 1.1

Revision Date 10/23/2023

Print Date 10/24/2023

**California Prop. 65**

: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**SECTION 16. OTHER INFORMATION**

|                 | <b>HMIS III</b> | <b>NFPA</b> |
|-----------------|-----------------|-------------|
| Health hazard   | : 1             | 1           |
| Flammability    | : 0             | 0           |
| Physical Hazard | : 0             |             |
| Instability     | :               | 0           |

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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Prepared by Honeywell Performance Materials and Technologies Product Stewardship Group