

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product form	: Mixture
Trade name	: Potassium iodide Stabilized
CHEMICAL NAME AND SYNONYMS	: Hydriodic acid, potassium salt
Product code	: 7550
Formula	: KI
Product group	: Trade product

### Details of the supplier of the safety data sheet

Supplier	Pestell Nutrition
Address	141 Hamilton Rd New Hamburg, Ontario Canada, N3A 2H1

Phone	519-662-2877
Email	qa@pestell.com

Emergency telephone number (24 hr)	Canada: CANUTEC 1 613-996-6666 US: CHEMTREC 1 703-527-3887
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## 2. HAZARDS IDENTIFICATION

- Classification of the substance or mixture



GHS07

Skin Sensitizer - Category 1 H317 May cause an allergic skin reaction.

- Label elements
- GHS label elements
- The product is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms



GHS07

- Signal word Warning
- Hazard-determining components of labeling:
  - Cinnamon leaf oil
  - cinnamaldehyde
- Hazard statements
  - May cause an allergic skin reaction.
- Precautionary statements
  - If medical advice is needed, have product container or label at hand.
  - Keep out of reach of children.
  - Read label before use.
  - Avoid breathing dust/fume/gas/mist/vapours/spray.

## Potassium Iodide (SDS)

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves.

If on skin: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

If skin irritation or rash occurs: Get medical advice/attention.

Specific treatment (see on this label).

Dispose of contents/container in accordance with local/regional/national/international regulations.

- Classification system:
- NFPA ratings (scale 0 - 4)



- HMIS-ratings (scale 0 - 4)



### 3. COMPOSITION/INFORMATION ON INGREDIENTS

- Chemical characterization: Mixtures
- Description: Mixture: consisting of the following components.
- Dangerous components:

106-27-4	Isoamyl butyrate	0.5-1.5% w/w *
659-70-1	Isoamyl isovalerate	0.5-1.5% w/w *
6728-26-3	Hexen-2-al	0.5-1.5% w/w *
120-51-4	Benzyl benzoate	0.5-1.5% w/w *
8015-91-6	Cinnamon leaf oil	0.1-1% w/w *
104-55-2	cinnamaldehyde	0.1-1% w/w *

\* Actual concentration ranges are withheld as a trade secret.

### 4. FIRST AID MEASURES

- Description of first aid measures
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.
- Information for doctor:
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- Indication of any immediate medical attention and special treatment needed  
No further relevant information available.

### 5. FIREFIGHTING MEASURES

- Extinguishing media
- Suitable extinguishing agents:  
CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam
- Special hazards arising from the substance or mixture No further relevant information available.
- Advice for firefighters
- Protective equipment: No special measures required.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures Not required.
  - Environmental precautions: Do not allow to enter sewers/ surface or ground water.
  - Methods and material for containment and cleaning up: Pick up mechanically.
  - Reference to other sections  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.
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## 7. HANDLING AND STORAGE

- Handling:  
· Precautions for safe handling No special measures required.
  - Information about protection against explosions and fires: No special measures required.
  - Conditions for safe storage, including any incompatibilities
  - Storage:  
· Requirements to be met by storerooms and receptacles: No special requirements.
  - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions: None.
  - Specific end use(s) No further relevant information available.
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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Additional information about design of technical systems: No further data; see item 7.
  - Control parameters
  - Components with limit values that require monitoring at the workplace:  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
  - Additional information: The lists that were valid during the creation were used as basis.
  - Exposure controls
  - Personal protective equipment:  
· General protective and hygienic measures:  
The usual precautionary measures for handling chemicals should be followed.
  - Breathing equipment: Not required.
  - Protection of hands:  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
  - Material of gloves  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
  - Penetration time of glove material  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
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## 9. PHYSICAL AND CHEMICAL PROPERTIES

- Information on basic physical and chemical properties
  - General Information
  - Appearance:  
Form: Powder  
Color: Whitish
  - Odor: Aromatic
  - Odor threshold: Not determined.
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## Potassium Iodide (SDS)

· pH-value:	Not applicable.
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	142 °C
· Flash point:	25 °C
· Flammability (solid, gaseous):	Not determined.
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure:	Not applicable.
· Density:	Not determined.
· Relative density	Not determined.
· Vapor density	Not applicable.
· Evaporation rate	Not applicable.
· Solubility in / Miscibility with	
Water:	Insoluble.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· Solvent content:	
Organic solvents:	0.5 %
Solids content:	75.3 %
· Other information	No further relevant information available.

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## 10. STABILITY AND REACTIVITY

- Reactivity No further relevant information available.
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions No dangerous reactions known.
- Conditions to avoid No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

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## 11. TOXICOLOGICAL INFORMATION

- Information on toxicological effects
- Acute toxicity:
- Primary irritant effect:
- on the skin: Based on available data, the classification criteria are not met.
- Additional toxicological information:  
The product is not subject to classification according to internally approved calculation methods for preparations:  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

## Potassium Iodide (SDS)

- Carcinogenic categories
  - IARC (International Agency for Research on Cancer)
    - 7631-86-9 silicon dioxide, chemically prepared 3
    - 128-37-0 Butylated hydroxytoluene (BHT) 3
  - NTP (National Toxicology Program)
    - None of the ingredients is listed.
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### 12. ECOLOGICAL INFORMATION

- Toxicity
  - Aquatic toxicity: No further relevant information available.
  - Persistence and degradability No further relevant information available.
  - Behavior in environmental systems:
  - Bioaccumulative potential No further relevant information available.
  - Mobility in soil No further relevant information available.
  - Additional ecological information:
  - General notes:
    - Water hazard class 1 (Self-assessment): slightly hazardous for water
    - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
  - Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.
  - Other adverse effects No further relevant information available.
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### 13. DISPOSAL CONSIDERATIONS

- Waste treatment methods
  - Recommendation: Smaller quantities can be disposed of with household waste.
  - Uncleaned packagings:
  - Recommendation: Disposal must be made according to official regulations.
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### 14. TRANSPORT INFORMATION

- UN-Number
- DOT, TDG, ADN, IMDG, IATA Void
- UN proper shipping name
- DOT, TDG, ADN, IMDG, IATA Void
- Transport hazard class(es)
- DOT, TDG, ADN, IMDG, IATA
- Class Void
- Packing group
- DOT, TDG, IMDG, IATA Void
- Environmental hazards: Not applicable.
- Special precautions for user Not applicable.
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.
- UN "Model Regulation": Void

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## 15. REGULATORY INFORMATION

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara
- Section 355 (extremely hazardous substances):  
None of the ingredients is listed.
- Section 313 (Specific toxic chemical listings):  
None of the ingredients is listed.
- TSCA (Toxic Substances Control Act):  
All ingredients are listed.
- Canadian substance listings:
- Canadian Domestic Substances List (DSL)  
All ingredients are listed.
- Canadian Ingredient Disclosure list (limit 0.1%)  
104-55-2 cinnamaldehyde
- Canadian Ingredient Disclosure list (limit 1%)  
7631-86-9 silicon dioxide, chemically prepared  
106-27-4 Isoamyl butyrate
- GHS label elements  
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- Hazard pictograms



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Take off contaminated clothing and wash it before reuse.  
If skin irritation or rash occurs: Get medical advice/attention.  
Specific treatment (see on this label).  
Dispose of contents/container in accordance with local/regional/national/international regulations.
- Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## 16. OTHER INFORMATION

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· Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
EINECS: European Inventory of Existing Commercial Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
HMIS: Hazardous Materials Identification System (USA)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

Disclaimer

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Pestell Nutrition and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

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