

Revision Date 03-Feb-2016

WAI1 - AGHS - OSHA

Revision Number 2

**1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING****Product Identifier****Product Name** INTERCO ION EXCH K+ (9319)**Product No** 219607-A01**Pure substance/mixture** Mixture**Relevant identified uses of the substance or mixture and uses advised against****Recommended Use** Use as laboratory reagent**Uses advised against** No Information available**Manufacturer, Importer, Supplier** Thermo Fisher Scientific©  
Water and Lab Products  
22 Alpha Road  
Chelmsford, MA 01824, USA  
1-978-232-6000**E-mail address** [info.water@thermo.com](mailto:info.water@thermo.com)**Made in** USA**Emergency Telephone** 24 Hour Emergency Phone Number  
CHEMTREC®  
Within USA and Canada: 1-800-424-9300  
Outside USA and Canada: 1-703-527-3887  
(collect calls accepted)

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute oral toxicity	Category 1
Acute dermal toxicity	Category 1

### Label Elements

#### **Emergency Overview**

##### **Danger**

##### **Hazard Statements**

Fatal if swallowed  
Fatal in contact with skin



**Appearance** Clear yellow

**Physical State** Viscous liquid

**Odor** Ether/Solvent

### Precautionary Statements

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

### **Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
Do not get in eyes, on skin, or on clothing  
Wear protective gloves/protective clothing/eye protection/face protection

### **Response**

Specific treatment (see supplemental first aid instructions on this label)  
Specific measures (see supplemental first aid instructions on this label)  
Immediately call a POISON CENTER or doctor/physician  
IF ON SKIN: Gently wash with plenty of soap and water  
Remove/Take off immediately all contaminated clothing  
Wash contaminated clothing before reuse  
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
Rinse mouth

### **Storage**

Store locked up

### **Disposal**

Dispose of contents/container to an approved waste disposal plant

### Hazards not otherwise classified (HNOC)

No information available

**Other Information**

No information available

Unknown Acute Toxicity

98.5 percent of the mixture consists of ingredient(s) of unknown acute toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No	Weight %	Trade Secret
Di(2-ethylhexyl) Sebacate	122-62-3	75 - 90%	*
o-Nitrophenyl Octyl Ether	37682-29-4	1 - 10%	*
Valinomycin	2001-95-8	1 - 10%	*

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

**4. FIRST AID MEASURES**

**First aid measures**

**General Advice**

Use first aid treatment according to the nature of the injury. Get medical attention immediately if symptoms occur. Show this safety data sheet to the doctor in attendance.

**Eye Contact**

Rinse thoroughly with plenty of water, also under the eyelids. Obtain medical attention.

**Skin Contact**

Wash off immediately with soap and plenty of water for at least 15 minutes. Take off contaminated clothing and shoes immediately. In case of skin reactions, consult a physician.

**Inhalation**

Move to fresh air. If breathing is difficult, give oxygen. Get medical attention if symptoms occur.

**Ingestion**

Clean mouth with water and drink afterwards plenty of water. Do not induce vomiting. Call a physician or Poison Control Center immediately.

**Protection of First-aiders**

Use personal protective equipment. See section 8 for more information. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

**Most important symptoms and effects, both acute and delayed**

**Most important symptoms/effects** No information available

**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician**

Treat symptomatically

**5. FIRE-FIGHTING MEASURES**

**Suitable Extinguishing Media**

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

**Unsuitable Extinguishing Media**

No information available

**Specific Hazards Arising from the Chemical**

No information available

**Explosion Data**

**Sensitivity to Mechanical Impact** None

**Sensitivity to Static Discharge** None

**Protective Equipment and Precautions for Firefighters**

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

## 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

<b>Personal Precautions</b>	Use personal protective equipment. For further specification, refer to section 8 of the SDS. Evacuate personnel to safe areas.
<b><u>Environmental Precautions</u></b>	Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

### Methods and Material for Containment and Cleaning Up

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Cleaning Up</b>	Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

## 7. HANDLING AND STORAGE

### Precautions for Safe Handling

<b>Handling</b>	To avoid risks to human health and the environment, comply with the instructions for use Wear personal protective equipment Avoid breathing dust/fume/gas/mist/vapors/spray Ensure adequate ventilation, especially in confined areas
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### Conditions for Safe Storage, Including any Incompatibilities

<b>Storage</b>	Keep container tightly closed in a dry and well-ventilated place Store at room temperature in the original container Keep away from direct sunlight
<b>Incompatible Products</b>	No information available

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

<b>Exposure Guidelines</b> <b><u>Appropriate engineering controls</u></b>	This product does not contain any known or suspected reproductive hazards.
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<b>Engineering Measures</b>	Showers Eyewash stations Ventilation systems
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### Individual protection measures, such as personal protective equipment

<b>Eye/face Protection</b>	Wear chemical splash goggles and face shield. If splashes are likely to occur, wear:. Face-shield.
<b>Skin and Body Protection</b>	Wear protective gloves/clothing.
<b>Respiratory Protection</b>	None under normal use conditions. In case of inadequate ventilation wear respiratory protection.
<b>Hygiene Measures</b>	Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

Physical State	Viscous liquid
Appearance	Clear yellow
Odor	Ether/Solvent
Odor Threshold	No information available
PH Range	3.5-6.5

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point/freezing point	No information available	
Boiling Point/Range	No information available	
Flash Point (High in °C)	N/A	
Evaporation Rate	No information available	
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	No information available	
Lower flammability limit:	No information available	
Vapor pressure	No information available	
Vapor Density	No information available	
Specific Gravity	No information available	
Water Solubility	Soluble in water	
Solubility in other solvents	No information available	
Partition coefficient	No information available	
Autoignition Temperature		
Decomposition Temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
Explosive Properties	No information available	
Oxidizing Properties	No information available	

### Other Information

Softening Point	No information available
Molecular Weight	No information available
VOC Content(%)	No information available
Density	No Information available
Bulk Density	No information available

## 10. STABILITY AND REACTIVITY

### Reactivity

No Information available

### Chemical Stability

Stable under normal conditions

### Possibility of Hazardous Reactions

None under normal processing

### Conditions to Avoid

Extremes of temperature and direct sunlight

### Incompatible Materials

No information available

### Hazardous Decomposition Products

Thermal decomposition can lead to release of irritating gases and vapors

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

<b>Inhalation</b>	No information available
<b>Eye Contact</b>	No information available
<b>Skin Contact</b>	No information available
<b>Ingestion</b>	No information available

<b>Component</b>	<b>LD50 Oral</b>	<b>LD50 Dermal</b>	<b>LC50 Inhalation</b>
Valinomycin 2001-95-8	LD50 = 4 mg/kg ( Rat )	LD50 = 5 mg/kg ( Rabbit )	-

**Information on Toxicological Effects**

<b>Symptoms</b>	No information available
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**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

<b>Sensitization</b>	No information available
<b>Mutagenic Effects</b>	No information available
<b>Carcinogenicity</b>	No information available.
<b>Reproductive Effects</b>	No information available
<b>STOT - single exposure</b>	No information available
<b>STOT - repeated exposure</b>	No information available
<b>Aspiration hazard</b>	No information available

**Numerical measures of toxicity - Product Information**

<b>Unknown Acute Toxicity</b>	98.5 percent of the mixture consists of ingredient(s) of unknown acute toxicity
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The following values are calculated based on chapter 3.1 of the GHS document .

<b>ATEmix (oral)</b>	4 mg/kg
<b>ATEmix (dermal)</b>	5 mg/kg

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

100% of the mixture consists of components(s) of unknown hazards to the aquatic environment

**Persistence and Degradability**

No information available

**Bioaccumulation/ Accumulation**

No information available

**Mobility**

No information available.

**Other adverse effects**

No information available

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

Waste Disposal Methods	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging	Improper disposal or reuse of this container may be dangerous and illegal.

### 14. TRANSPORT INFORMATION

<u>DOT</u>	Not regulated
<u>ICAO</u>	Not regulated
<u>IATA</u>	Not regulated
<u>IMDG/IMO</u>	Not regulated

### 15. REGULATORY INFORMATION

#### International Inventories

USINV	Complies
CANINV	Complies
EINECS/ELINCS	Complies
ENCS	Does not Comply
IECSC	Does not Comply
KECL	Does not Comply
PICCS	Does not Comply
AICS	Does not Comply

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

CANINV/ DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

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

ENCS - Japanese Existing and New Chemical Substances

IECSC - Chinese Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

#### U.S. Federal Regulations

##### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

#### CWA (Clean Water Act)

Not applicable

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Component	Hazardous Substances RQs	CERCLA EHS RQs	RQ
Valinomycin 2001-95-8	-	1000 lb	

**U.S. State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

Component	New Jersey	Massachusetts	Pennsylvania
Valinomycin 2001-95-8	X	X	X

**U.S. EPA Label Information**

No information available

**16. OTHER INFORMATION**

**Prepared By** Environmental, Health and Safety

**Prepared For** Thermo Fisher Scientific Inc.©

**Issue Date** No information available

**Revision Date** 03-Feb-2016

**Reason for revision** Update to GHS format.

**Disclaimer**

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**End of Safety Data Sheet**