

## Safety Data Sheet: SDS Ionomyacin Ca salt

### 1. Identification of the substance/mixture and of the Company

#### 1.1. Product identifiers

Product name	<i>Ionomyacin Ca salt</i>	Formula	$C_{41} H_{70} CaO_9$
Product Code	<i>IC</i>	RTECS	<i>NO0650000</i>
CAS #	<i>56092-82-1</i>	Molecular weight	<i>747.07</i>
EC Number #	<i>611-357-2</i>		
Date of version	<i>&lt;12 March, 2020&gt;</i>	Substance?Mixture?	<i>Not mixture</i>

#### 1.2. Intended uses of the substance or mixture and uses advised against

Intended use:	Uses advised against:
Research and development. Laboratory reagent. Reference material. Manufacturing of substances.	Not for drug, Not to be used in humans or animals. Not food additive

#### 1.3. Company information

Details of the supplier of the safety data sheet		Emergency Telephone number
<b>FERMENTEK ltd</b> 4 Yatziv street, POB 47120 Jerusalem 97800, Israel	Tel: +972 2 5853953 Fax: +972 2 5853943 eMail: fermentek@fermentek.com Website: www.fermentek.com	For chemical emergency spill, leak, fire, exposure, or accident calls CHEMTREC day or night: Within USA and Canada: 1-800-424-9300. Outside USA and Canada: +1 703-527-3887
This company is the manufacturer of the product, and the supplier of the safety data sheet		

#### 1.4. Reach:

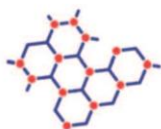
See section 15
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### 2. Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No 1272/2008:

Acute toxicity - oral	Category 4	H302	Harmful if swallowed.
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### GHS Label elements, including precautionary statements

Pictogram:  Signal word: {Warning}

#### GHS Hazard Statements

Hazard statement(s)	H302 Harmful if swallowed.
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#### GHS Precautionary Statements

P201	Obtain special instructions before use.
P330	Rinse mouth
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P264	Wash face, hands and any exposed skin thoroughly after handling
P270	P270 - Do not eat, drink or smoke when using this product
P280	Wear protective gloves/protective clothing/eye protection/face protection

## 3. Composition/information on ingredients

### Substance

Substance name:	<b>Ionomycin Ca salt</b>
Concentration	100%
	CAS Registry #: <b>56092-82-1</b> EC#: <b>611-357-2</b> RTECS <b>NO0650000</b>
	Molecular Formula: <b>C41 H70 CaO9</b> Molecular Weight: <b>747.07</b>
Classification	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Resp. Sens. 1 (H334) STOT SE 3 (H335)
Mixture?	<b>Not mixture</b>

## 4. First Aid Measures

### 4.1. Description of First Aid Measures

General advice:	Consult a physician. Show this safety data sheet to the doctor in attendance.
Eye contact:	Flush eyes with water as a precaution.
Skin Contact:	Wash off with soap and plenty of water. Consult a physician.
Ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
Symptoms	No data available
Note to physician	No data available

## 5. Fire-fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable extinguishing media	unknown

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## 5.2. Other information

<b>Hazardous combustion products</b>	Carbon oxides,
<b>Advice for firefighters</b>	Wear self-contained breathing apparatus for fire fighting if necessary. Wear protective suit.

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak
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### 6.2. Environmental precautions

<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.
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### 6.3. Methods and material for containment and cleaning up

<b>Methods for containment:</b>	Prevent further leakage or spillage if safe to do so. Contain spill and collect, as appropriate
<b>Methods for cleaning up:</b>	Use personal protective equipment as required. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically, placing in appropriate containers for disposal. Avoid creating dust. Clean contaminated surface thoroughly. Soak up with inert absorbent material. Dam up. Pick up and transfer to properly labeled containers. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water. Take precautionary measures against static discharges. Sweep up and shovel into suitable containers for disposal.

## 7. Handling and storage

### 7.1. Precautions for safe handling

<b>Advice on safe handling:</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product. Avoid prolonged or repeated exposure.
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### 7.2. Conditions for safe storage, including any incompatibilities

<b>Storage Conditions:</b>	Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Store at -20 °C.
<b>Incompatible materials:</b>	None known based on information available.

## 8. Exposure Controls/Personal Protection

### 8.1. Control parameters

<b>Exposure Limits</b>	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies
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## 8.2. Exposure controls

Appropriate engineering controls	Engineering Controls: Showers, Eyewash stations, Handle in accordance with good industrial hygiene and safety practice Ventilation systems Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Use fumehood for routine work.
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## 8.3. Personal protective equipment

The employer/end user, prior to use of this product should perform all recommendations below are advisory in nature and a risk assessment. The type of protective equipment must be selected based on the amount and concentration of the dangerous material being used in the workplace.

[PPE=Personal Protection Equipment]

PPE: Respiratory protection	Where risk assessment shows air-purifying respirators are appropriate use a fullface particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
PPE: Hand Protection:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal techniques to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices, and wash and dry hands
PPE: Eye Protection:	Use a face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU)
PPE: Skin and Body Protection:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

## 9. Physical and chemical properties

### 9.1. Physical / chemical properties

Physical State at room temperature	Solid / powder
Color	
Melting/freezing point	200-220°C
Volatile?	Not volatile
No further safety relevant data are available	

## 10. Stability and reactivity

Reactivity:	No information available.
Chemical stability:	Stable under normal conditions.
Conditions to avoid	Heat, flames and sparks. Sunlight.
Incompatible materials	Strong reducers and oxidizers
Possibility of Hazardous Reactions	None under normal processing
Hazardous decomposition products	Carbon oxides

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## 11. Toxicological information

### 11.1. Information on toxicological effects

The toxicological effects of this product have not been thoroughly studied.

#### Acute Toxicity

Ingestion	TDL0 (oral - mouse) :LD50 = 650 mg/kg
Absorbtion thru Skin	No data available
Skin corrosion/irritation:	No data available
Serious eye damage/eye irritation:	No quantitative data available.
Respiratory or skin sensitization/corrosion:	No quantitative data available.

#### Chronic toxicity

Chronic Toxicity	Thapsigargin - Investigated as a mutagen and natural product.
Germ cell mutagenicity:	No information available
Carcinogenicity:	Not listed by ACGIH, IARC, NTP
Reproductive toxicity	No information available
Teratogenicity:	No information available
STOT-SE – single exposure (GHS):	No information available

### 11.2. Additional information

RTECS number	<b>NO0650000</b>
Symptoms	

## 12. Ecological Information

### 12.1. Toxicity

This product is not classified as environmentally hazardous according to the UN Model Regulations, nor a marine pollutant according to the IMDG Code.

### 12.2. Persistence and degradability

No information available.

### 12.5. Results of PBT and vPvB assessment

Not performed

### 12.6. Other adverse effects

No information available.

## 13. Disposal Considerations

### 13.1. Waste treatment methods

Waste from residues / unused products	Dispose of in accordance with local regulations
Contaminated packaging	Dispose of as unused product



## 14. Transport information

### 14.1. UN number, Proper Shipping Name, Transport Hazard Class, packing group

	US IATA	US ADR	US RID	US IMDG
UN Number UN proper shipping name	Not regulated <b>(Ionomycin Ca salt)</b>	Not regulated <b>(Ionomycin Ca salt)</b>	Not regulated <b>(Ionomycin Ca salt)</b>	Not regulated <b>(Ionomycin Ca salt)</b>
Transport Hazard Class & Packing Group	Not dangerous goods <b>(Ionomycin Ca salt)</b>	Not dangerous goods <b>(Ionomycin Ca salt)</b>	Not dangerous goods <b>(Ionomycin Ca salt)</b>	Not dangerous goods <b>(Ionomycin Ca salt)</b>
				Not marine pollutant

### 14.2. Additional information

Small quantities	Not applicable
Marine pollution	Not marine pollutant

## 15. Regulatory information

### 15.1. Safety, health and environmental regulations/legislation

Canadian regulations	This product is Not listed on the Canadian DSL/NDL.
USA EPA / TSCA	This product is Not listed on the USA TSCA (For R&D)
EU ECHA Status	This product is registered with the EU ECHA, Number <b>611-357-2</b> ANNEX III: Listed REACH: Pre registered at 31/05/2018

### 15.2. Chemical safety assessment

Chemical Safety Report	No information available
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## 16. Other information

### 16.1. Date of revision: Thursday, 12 March, 2020

### 16.2. Disclaimer

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 here is designed only as 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. Users should make their own investigations to determine the suitability of the information for their particular purposes

End of SDS

