



# Safety Data Sheet: Chelerythrine Chloride

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

Product identifiers			
Product name	Chelerythrine Chloride	EC Number #	223-444-9
Product Code	CH	Formula	C21H18NO4Cl
CAS #	3895-92-9	RTECS	FL9200000

Intended uses of the substance or mixture and uses advised against	
Intended use	Uses advised against:
<b>Only for Research and/or Development</b>	Not for drug, Not to be used in humans or animals. Not food additive

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

**Reach:** A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.

## Section 2. Hazards identification

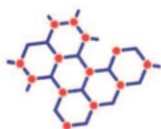
### Classification of the substance or mixture

#### GHS Classification:

Acute toxicity, Oral (Category 4)	H302	Harmful if swallowed
Acute toxicity, Inhalation (Category 4)	H332	Harmful if inhaled
Acute toxicity, Dermal (Category 4)	H312	Harmful in contact with skin
Skin irritation (Category 2)	H315	Causes skin irritation
Eye irritation (Category 2A)	H319	Causes serious eye irritation
STOT (Category 3) Respiratory system,	H335	May cause respiratory irritation
	H302+H312+H332	Harmful if swallowed, in contact with skin or if inhaled

#### GHS Label elements, including precautionary statements

Pictogram:  Signal word: {Warning}



**GHS Hazard Statements**

H302 + H312 + H332	Harmful if swallowed, in contact with skin or if inhaled
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation

**GHS Precautionary Statements**

P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/ eye protection/ face protection.
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P304 + P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	Call a POISON CENTER or doctor/ physician if you feel unwell.
P322	Specific measures (see supplemental first aid instructions on this label).
P330	Rinse mouth.
P332 + P313	If skin irritation occurs: Get medical advice/ attention.
P337 + P313	If eye irritation persists: Get medical advice/ attention.
P362	Take off contaminated clothing and wash before reuse.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/ container to an approved waste disposal plant.

**Section 3. Composition/information on ingredients**

**Substance**

Substance name:	Chelerythrine Chloride
	CAS Registry #:3895-92-9
	Molecular Formula: C21H18ClNO4    Molecular Weight: 383.82
	Acute Tox. 4; Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3; H302 + H312 + H332, H315, H319,

**Mixture**

Not mixture.

**Section 4. First Aid Measures**

**Description of First Aid Measures**

General advice:	If medical attention is required, show this safety data sheet to the doctor.
Eye contact:	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Skin Contact:	Immediate medical attention is required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Wash off immediately with plenty of water. If skin irritation persists, call a physician.
Ingestion:	Do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Drink plenty of water. Clean mouth with water and drink afterwards plenty of water. Call a physician
Inhalation:	Immediate medical attention is required Remove to fresh air If not breathing, give artificial respiration Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation. Artificial respiration and/or oxygen may be necessary Call a physician Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician





## Section 5. *Fire-fighting measures*

### Extinguishing media

#### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### Unsuitable extinguishing media

None

#### Hazardous combustion products

Carbon oxides,

#### Advice for firefighters

Wear self-contained breathing apparatus for fire fighting if necessary.  
Wear protective suit.

## Section 6. *Accidental release measures*

### Personal precautions, protective equipment and emergency procedures

#### Personal precautions

Use personal protective equipment as required. Keep people away from and upwind of spill/leak.

### Environmental precautions

#### Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

### Methods and material for containment and cleaning up

#### Methods for containment:

Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading. Dike far ahead of liquid spill for later disposal.

#### Methods for cleaning up:

Cover liquid spill with sand, earth or other non-combustible absorbent material (e.g. sand, earth, diatomaceous earth, and vermiculite). Cover powder spill with plastic sheet or tarp to minimize spreading. Sweep up and shovel into suitable containers for disposal.

## Section 7. *Handling and storage*

### Precautions for safe handling

#### Advice on safe handling:

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.

### Conditions for safe storage, including any incompatibilities

#### Storage Conditions:

Keep container tightly closed in a dry and well-ventilated place.

Keep out of the reach of children.

Store at -20 °C.

#### Incompatible materials:

None known based on information available.

## Section 8. *Exposure Controls/Personal Protection*

No occupational exposure limits are listed for this material.

#### OSHA Permissible Exposure Limits

No Data Available

#### NIOSH Recommended Exposure Limits

No Data Available

#### ACGIH Threshold Limit Values

No Data Available

### Exposure controls

#### Appropriate engineering controls

##### Engineering Controls

Showers, Eyewash stations, Ventilation systems

Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Use fumehood for routine work.

#### 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 full-face particle respirator type N100 (US) or type P3 (EN 143) respirator



PPE: Hand Protection:	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). 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. Wear protective clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place. When deemed needed according to the concentration and amount of this product, use a complete body suit

## Section 9. Physical and chemical properties

### Physical / chemical properties

Physical State at room temperature	Solid / powder
Color	
Melting/freezing point	
No further safety-relevant data are available	

## Section 10. Stability and reactivity

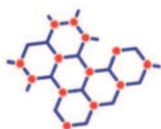
<b>Reactivity:</b>	No information available.
<b>Chemical stability:</b>	Stable under normal conditions.
<b>Conditions to avoid</b>	Heat, flames and sparks. Sunlight.
<b>Incompatible materials</b>	Strong reducers and oxidizers
<b>Possibility of Hazardous Reactions</b>	None under normal processing
<b>Hazardous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

## Section 11. Toxicological information

### Information on toxicological effects

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

<b>Acute Toxicity</b>	No data available
<b>Skin corrosion/irritation:</b>	No data available
<b>Serious eye damage/eye irritation:</b>	No data available
<b>Respiratory or skin sensitization:</b>	No data available
<b>Germ cell mutagenicity:</b>	No data available
<b>Carcinogenicity:</b>	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
<b>Reproductive toxicity / Teratogenicity:</b>	No data available
<b>STOT-SE – single exposure (GHS):</b>	May cause respiratory irritation.
<b>STOT-RE – repeated exposure (GHS):</b>	No data available
<b>Aspiration hazard:</b>	No data available
<b>Potential Health Effects</b>	
<b>Inhalation:</b>	May cause respiratory irritation.
<b>Skin</b>	
<b>Eyes:</b>	May cause eye irritation



**Signs and Symptoms of Exposure**

Central nervous system depression, Nausea, Headache, Vomiting, narcosis, Damage to the heart., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.  
Stomach - Irregularities - Based on Human Evidence

**Additional information:**

**RTECS:** FL9200000

**Section 12. Ecological Information**

**Eco-Toxicity**

No further relevant information available

**Other adverse effects**

No further relevant information available.

**Section 13. Disposal Considerations**

**Waste treatment methods**

**Waste from residues / unused products**

Dispose of in accordance with local regulations

**Contaminated packaging**

Dispose of as unused product

**Section 14. Transport information**

**UN number, Proper Shipping Name, Transport Hazard Class, packing group**

	US DOT	ADR/RID:	IMDG:	IATA
UN Number	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods
UN proper shipping name				
Transport Hazard Class & Packing Group	Not dangerous goods	Not dangerous goods	Not dangerous goods	Not dangerous goods

**Section 15. Regulatory information**

**Safety, health and environmental regulations/legislation**

**USA EPA / TSCA**

This product is not listed on the USA EPA TSCA

**EU ECHA Status**

This product is not registered with the EU ECHA

**CA: DSL/NDSL Status**

This product is not listed on the Canadian DSL/NDSL

**Section 16. Other information**

**Date of revision: 28 June 2017**

**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.

End of SDS



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