

Date: 23rd July 2020  
Version No: 1.1

1.1. PRODUCT IDENTIFICATION Historyonics Constrain (Cypermethrin 0.1% +BAC 0.1%\*)

REACH Registration notes: This is a MIXTURE; no registration information is contained in this document. Sentomol Ltd are classed as Downstream User.

- 1.2 PRODUCT USE: PC8: Biocidal products (e.g. Disinfectants, pest control).  
1.3 DETAILS OF THE SUPPLIER: Historyonics, a trading division of Sentomol Ltd., Glen House, St. Maughans Green, Monmouth, NP25 5QG, South Wales, UK.  
1.4 EMERGENCY TELEPHONE: +44 (0) 1600 713396 (Available during normal office hours)

SECTION 2: HAZARDS IDENTIFICATION

- 2.1. Classification of the substance or mixture  
Classification under CLP: Aquatic Acute 1: H400; Aquatic Chronic 1: H410; -: EUH210  
Most important adverse effects: Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.  
Safety data sheet available on request.

- 2.2. Label elements  
Hazard statements:  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.  
EUH210: Safety data sheet available on request.  
Hazard pictograms: GHS09: Environmental



Signal words: Warning

- Precautionary statements:  
P101: If medical advice is needed, have product container or label at hand\*.  
P102: Keep out of the reach of children\*.  
P103: Read label before use\*.  
P273: Avoid release to the environment.  
P391: Collect spillage.  
P501: Dispose of contents and container to a licensed hazardous- waste disposal contractor or collection site except for empty clean containers which can be disposed of non-hazardous waste\* .

- 2.3. Other hazards  
PBT: This product is not identified as a PBT/vPvB substance.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.2. Mixtures  
Hazardous ingredients:  
CYPERMETHRIN CIS/TRANS +/- 40/60  
(RS)-A-CYANO-3-PHENOXYBENZYL (1RS,3RS;1RS,3SR)-3-(2,2-DICHLOROVINYL)-2,2-DIMETHYLCYCLOPROPANECARBOXYLATE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
257-842-9	52315-07-8	-	Acute Tox. 4: H332; Acute Tox. 4: H302; STOT SE 3: H335; Aquatic Chronic 1: H410; Aquatic Acute 1: H400	<1%

ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE (C12-16)\*

270-325-2	68424-85-1	-	Acute Tox. 4: H302; Skin Corr. 1B: H314; Aquatic Acute 1: H400; Aquatic Chronic 1: H410	<1%
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## SECTION 4: FIRST AID MEASURES

- 4.1 Description of first aid measures
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|---------------|--|
| Skin contact: | Wash immediately with plenty of soap and water.  |
| Eye contact:  | Bathe the eye with running water for 15 minutes. |
| Ingestion:    | Wash out mouth with water.                       |
| Inhalation:   | Consult a doctor.                                |
- 4.2. Most important symptoms and effects, both acute and delayed
- |                            |  |
|----------------------------|--|
| Skin contact:              | There may be mild irritation at the site of contact. |
| Eye contact:               | There may be irritation and redness.                 |
| Ingestion:                 | There may be irritation of the throat.               |
| Inhalation:                | No symptoms.   |
| Delayed/Immediate effects: | No symptoms*.  |
- 4.3. Indication of any immediate medical attention and special treatment needed
- Immediate / special treatment: Not applicable.

## SECTION 5: FIRE-FIGHTING MEASURES

- 5.1. Extinguishing Media
- |                      |   |
|----------------------|---|
| Extinguishing media: | Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers. |
|----------------------|---|
- 5.2. Special hazards arising from the substance or mixture
- |                   |                                  |
|-------------------|----------------------------------|
| Exposure hazards: | In combustion emits toxic fumes. |
|-------------------|----------------------------------|
- 5.3. Advice for fire-fighters
- |                           |  |
|---------------------------|--|
| Advice for fire-fighters: | Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. |
|---------------------------|--|

## SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1. Personal precautions, protective equipment and emergency procedures
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|-----------------------|--|
| Personal precautions: | Refer to section 8 of SDS for personal protection details. Turn leaking containers leak-side up to prevent the escape of liquid. |
|-----------------------|--|
- 6.2. Environmental precautions:
- |  |   |
|--|---|
|  | Do not discharge into drains or rivers. Contain the spillage using bunding. |
|--|---|
- 6.3. Methods and material for containment and cleaning up
- |                      |  |
|----------------------|--|
| Clean-up procedures: | Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. |
|----------------------|--|
- 6.4. Reference to other sections:
- |  |                            |
|--|----------------------------|
|  | Refer to section 8 of SDS. |
|--|----------------------------|

## SECTION 7: HANDLING AND STORAGE

- 7.1. Precautions for safe handling
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|------------------------|---|
| Handling requirements: | Ensure there is sufficient ventilation of the area. |
|------------------------|---|
- 7.2. Conditions for safe storage, including any incompatibilities
- |                     |   |
|---------------------|---|
| Storage conditions: | Store in a cool, well ventilated area. Keep container tightly closed. |
| Suitable packaging: | Must only be kept in original packaging.                              |
- 7.3. Specific end use(s)
- |                      |                    |
|----------------------|--------------------|
| Specific end use(s): | No data available. |
|----------------------|--------------------|

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1. Control parameters
- |                            |                    |
|----------------------------|--------------------|
| Workplace exposure limits: | No data available. |
| DNEL/PNEC Values           |                    |
| DNEL / PNEC:               | No data available. |
- 8.2. Exposure controls
- |                         |  |
|-------------------------|--|
| Engineering measures:   | The floor of the storage room must be impermeable to prevent the escape of liquids*. |
| Respiratory protection: | Respiratory protection not required.   |
| Hand protection:        | Protective gloves.   |

Eye protection:	Safety glasses. Ensure eye bath is to hand.
Skin protection:	Protective clothing.
Environmental:	The floor of the storage room must be impermeable to prevent the escape of liquids*.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

State:	Liquid
Colour:	Colourless
Odour:	Characteristic odour
Evaporation rate:	No data available.
Oxidising:	No data available.
Solubility in water:	Miscible
Viscosity:	Non-viscous
Boiling point/range°C:	No data available.
Melting point/range°C:	No data available.
Flammability limits %:	
lower:	No data available.
upper:	No data available.
Flash point°C:	No data available.
Part.coeff. n-octanol/water:	No data available.
Autoflammability°C:	No data available.
Vapour pressure:	No data available.
Relative density:	1.00g/ml
pH:	Approx. 4
VOC g/l:	No data available.

### 9.2. Other information: No data available.

## SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:	Stable under recommended transport or storage conditions.
10.2. Chemical stability:	Stable under normal conditions.
10.3. Possibility of hazardous reactions:	Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.
10.4. Conditions to avoid:	Heat.
10.5. Incompatible materials	
Materials to avoid:	Strong oxidising agents. Strong acids.
10.6. Hazardous decomposition products:	In combustion emits toxic fumes.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Toxicity values:	No data available.
Symptoms / routes of exposure	
Skin contact:	There may be mild irritation at the site of contact.
Eye contact:	There may be irritation and redness.
Ingestion:	There may be irritation of the throat.
Inhalation:	No symptoms.
Delayed/Immediate effects:	No symptoms*

## SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity	
Ecotoxicity values:	No data available.
12.2. Persistence and degradability:	Biodegradable.
12.3. Bioaccumulative potential:	No bioaccumulation potential.
12.4. Mobility:	Readily absorbed into soil.
12.5. Results of PBT and vPvB assessment	
PBT identification:	This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects: Negligible ecotoxicity.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## SECTION 14: TRANSPORT INFORMATION

### 14.1. UN number

UN number: UN3082

### 14.2. UN proper shipping name

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Contains Cypermethrin & Benzalkonium Chloride\*)

### 14.3. Transport hazard class(es)

Transport class: 9

### 14.4. Packing group

Packing group: III

### 14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

### 14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: -

Transport category: 3

## SECTION 15: REGULATORY INFORMATION

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Specific regulations: Not applicable.

### 15.2. Chemical Safety Assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier\*.

## SECTION 16: OTHER INFORMATION

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.  
\* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: EUH210: Safety data sheet available on request.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage\*

H332: Harmful if inhaled.

H335: May cause respiratory irritation.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

*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 regards to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sentamol Ltd shall not be held liable for any damage resulting from handling or from contact with the above product.*