

## Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

### 1.1 Product identifier

**Product Name** • Chroma/Tech PL

**Product Description** • Blue-green liquid.

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified use(s)** • Water-based emulsion

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

**Manufacturer** • IKONICS Corporation

4832 Grand Ave.

Duluth, MN 55807

United States

[www.ikonics.com](http://www.ikonics.com)

[sds@ikonics.com](mailto:sds@ikonics.com)

**Telephone (General)** • (218) 628-2217

**Telephone (General)** • (800) 328-4261 - Toll free

### 1.4 Emergency telephone number

• 1-800-424-9300 - Within USA and Canada

• +1 703-527-3887 - Outside USA and Canada (collect calls accepted)

## Section 2: Hazards Identification

### EU/EEC

According to EU Directive 1272/2008 (CLP)/REACH 1907/2006 [amended by 2015/830]

### 2.1 Classification of the substance or mixture

**CLP** • Not classified

### 2.2 Label Elements

**CLP**

**Hazard statements** • Not classified

### Precautionary statements

**Prevention** • P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**Response** • P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P304+P341 - IF INHALED: If breathing is difficult, 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.

**Storage/Disposal** • P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

### 2.3 Other Hazards

**CLP** • No data available

## **UN GHS**

According to: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS): Seventh Revised Edition

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

**UN GHS** • Not classified

### **2.2 Label elements**

**UN GHS**

**Hazard statements** • Not classified

#### **Precautionary statements**

**Prevention** • P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**Response** • P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P304+P341 - IF INHALED: If breathing is difficult, 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.

**Storage/Disposal** • P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

### **2.3 Other hazards**

**UN GHS** • No data available

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## **United States (US)**

According to OSHA 29 CFR 1910.1200 HCS

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

**OSHA HCS 2012** • Not classified

### **2.2 Label elements**

**OSHA HCS 2012**

#### **Precautionary statements**

**Prevention** • P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**Response** • P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P304+P341 - IF INHALED: If breathing is difficult, 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.

**Storage/Disposal** • P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

### **2.3 Other hazards**

**OSHA HCS 2012** • No data available

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## **Canada**

According to WHMIS 2015

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

**WHMIS 2015** • Not classified

### **2.2 Label elements**

**WHMIS 2015**

## Precautionary statements

**Prevention** • P280 - Wear protective gloves/protective clothing/eye protection/face protection.

**Response** • P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P304+P341 - IF INHALED: If breathing is difficult, 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.

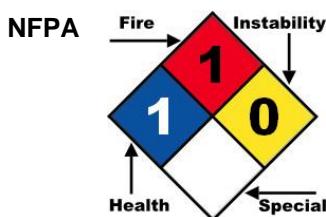
**Storage/Disposal** • P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## 2.3 Other hazards

WHMIS 2015

- No data available

## 2.4 Other information



See Section 12 for Ecological Information.

## Section 3 - Composition/Information on Ingredients

### 3.1 Substances

### 3.2 Mixtures

- No ingredients are hazardous according to OSHA, GHS, CLP or WHMIS criteria.

## Section 4 - First Aid Measures

### 4.1 Description of first aid measures

- Inhalation**
- IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration and call 911 or emergency medical service.
- Skin**
- IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.
- Eye**
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- Ingestion**
- If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Rinse mouth. Never give anything by mouth to an unconscious person. If large quantities are swallowed, call a physician immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

### 4.3 Indication of any immediate medical attention and special treatment needed

## Section 5 - Firefighting Measures

### 5.1 Extinguishing media

<b>Suitable Extinguishing Media</b>	<ul style="list-style-type: none"> <li>• SMALL FIRES: Dry chemical, CO<sub>2</sub>, water spray or regular foam.</li> <li>LARGE FIRE: Water spray, fog or regular foam.</li> </ul>
<b>Unsuitable Extinguishing Media</b>	<ul style="list-style-type: none"> <li>• No data available</li> </ul>
<b>Firefighting Procedures</b>	<ul style="list-style-type: none"> <li>• Fire fighters should wear complete protective clothing including self-contained breathing apparatus.</li> <li>Keep unauthorized personnel away.</li> <li>Ventilate closed spaces before entering.</li> <li>LARGE FIRES: Use extinguishing agent suitable for type of surrounding fire.</li> </ul>

## 5.2 Special hazards arising from the substance or mixture

<b>Unusual Fire and Explosion Hazards</b>	<ul style="list-style-type: none"> <li>• Some may burn but none ignite readily.</li> </ul>
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<b>Hazardous Combustion Products</b>	<ul style="list-style-type: none"> <li>• Products of combustion include: carbon oxides (CO<sub>x</sub>).</li> </ul>
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## 5.3 Advice for firefighters

- Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.
- Wear chemical protective clothing that is specifically recommended by the manufacturer.
- It may provide little or no thermal protection.
- Wear positive pressure self-contained breathing apparatus (SCBA).

## Section 6 - Accidental Release Measures

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

<b>Personal Precautions</b>	<ul style="list-style-type: none"> <li>• Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Do not touch or walk through spilled material.</li> </ul>
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<b>Emergency Procedures</b>	<ul style="list-style-type: none"> <li>• No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended. Use normal clean up procedures.</li> </ul>
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## 6.2 Environmental precautions

- No data available.

## 6.3 Methods and material for containment and cleaning up

<b>Containment/Clean-up Measures</b>	<ul style="list-style-type: none"> <li>• Use appropriate Personal Protective Equipment (PPE)</li> <li>Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in suitable container.</li> </ul>
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## 6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling

<b>Handling</b>	<ul style="list-style-type: none"> <li>• Use good safety and industrial hygiene practices.</li> </ul>
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### 7.2 Conditions for safe storage, including any incompatibilities

<b>Storage</b>	<ul style="list-style-type: none"> <li>• Keep container closed when not in use. Store away from extreme heat. Do not freeze.</li> <li>Ventilate enclosed areas.</li> </ul>
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### 7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

## Section 8 - Exposure Controls/Personal Protection

## 8.1 Control parameters

## 8.2 Exposure controls

### Engineering Measures/Controls

- Local exhaust is recommended but not required. Provide adequate ventilation as necessary.

### Personal Protective Equipment

#### Pictograms

-  

#### Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment.

#### Eye/Face

- Wear protective eyewear (goggles, face shield, or safety glasses).

#### Hands

- Wear protective gloves - rubber or neoprene.

#### Skin/Body

- Wear protective clothing - apron or other impervious body coverings.

### General Industrial Hygiene Considerations

- Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

### Environmental Exposure Controls

- No data available

## Section 9 - Physical and Chemical Properties

### 9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Viscous liquid
Color	Blue-green	Odor	Not relevant
Odor Threshold	Not relevant		
General Properties			
Boiling Point	100 C(212 F)	Melting Point	Not relevant
Decomposition Temperature	Not relevant	pH	No data available
Specific Gravity/Relative Density	Not relevant	Density	9.1 lbs/gal
Water Solubility	Miscible	Viscosity	4500-8000 Centipoise (cPs, cP) or mPas @ 25 C (77 F)
Explosive Properties	None.	Oxidizing Properties:	None.
Volatility			
Vapor Pressure	Not relevant	Vapor Density	Not relevant
Evaporation Rate	< 1 water = 1	VOC (Wt.)	Not relevant
Volatiles (Wt.)	50 %		
Flammability			
Flash Point	> 200 F(> 93.333 C)	UEL	Not relevant
LEL	Not relevant	Autoignition	Not relevant
Flammability (solid, gas)	Non-flammable in liquid form. When dry, product will burn as an ordinary combustible material.		
Environmental			
Half-Life	No data available	Octanol/Water Partition coefficient	No data available
Coefficient of water/oil distribution	No data available	Bioaccumulation Factor	No data available
Bioconcentration Factor	No data available	Biochemical Oxygen Demand BOD/BOD5	No data available

Chemical Oxygen Demand	No data available	Persistence	No data available
Degradation	No data available		

## 9.2 Other Information

- No data available

## Section 10: Stability and Reactivity

### 10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

- Stable

### 10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

### 10.4 Conditions to avoid

- Avoid freezing. Excess heat.

### 10.5 Incompatible materials

- Strong oxidizing agents, strong acids, strong bases.

### 10.6 Hazardous decomposition products

- Hazardous decomposition products formed under fire conditions - carbon oxides (COx). No decomposition is expected under normal storage and use conditions.

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

#### Potential Health Effects

##### Inhalation

- |                   |                                                         |
|-------------------|---------------------------------------------------------|
| Acute (Immediate) | • May cause irritation.                                 |
| Chronic (Delayed) | • Repeated and prolonged exposure may cause irritation. |

##### Skin

- |                   |                                                         |
|-------------------|---------------------------------------------------------|
| Acute (Immediate) | • May cause mild irritation.                            |
| Chronic (Delayed) | • Repeated and prolonged exposure may cause irritation. |

##### Eye

- |                   |                                                         |
|-------------------|---------------------------------------------------------|
| Acute (Immediate) | • May cause irritation.                                 |
| Chronic (Delayed) | • Repeated and prolonged exposure may cause irritation. |

##### Ingestion

- |                   |                                                                   |
|-------------------|-------------------------------------------------------------------|
| Acute (Immediate) | • Under normal conditions of use, no health effects are expected. |
| Chronic (Delayed) | • No specific information available.                              |

## Section 12 - Ecological Information

### 12.1 Toxicity

- No data available

### 12.2 Persistence and degradability

- No data available.

### 12.3 Bioaccumulative potential

- No data available

## 12.4 Mobility in Soil

- No data available

## 12.5 Results of PBT and vPvB assessment

- No data available

## 12.6 Other adverse effects

## Section 13 - Disposal Considerations

### 13.1 Waste treatment methods

- |                        |                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------|
| <b>Product waste</b>   | • Dispose of content in accordance with local, regional, national, and/or international regulations.   |
| <b>Packaging waste</b> | • Dispose of container in accordance with local, regional, national, and/or international regulations. |

### 13.2 Other Information

- Dispose of wastes in an approved waste disposal facility.

## Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	NDA	NDA	NDA	NDA
IMO/IMDG	NDA	NDA	NDA	NDA	NDA
IATA/ICAO	NDA	NDA	NDA	NDA	NDA

### 14.6 Special precautions for user

- None specified.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- Not relevant.

### 14.8 Other information

- DOT • Not regulated  
 IMO/IMDG • Not regulated  
 IATA/ICAO • Not regulated

## Section 15 - Regulatory Information

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

SARA Hazard Classifications • Not classified

### 15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

### 15.3 Other Information

- California Proposition 65: This product can expose you to chemicals known to the State of California to cause cancer:  
1,4-Dioxane      CAS No. 123-91-1      <0.0003%

## Section 16 - Other Information

**Relevant Phrases (code & full text)**

- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
- P304+P341 - IF INHALED: If breathing is difficult, 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.
- P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**Last Revision Date**

- 02 August 2018

**Preparation Date**

- 06 September 2019

**Other Information**

- Approved by: Troy Bergstedt, Director of Chemical Research, (218) 628-2217 ext.142.

**Disclaimer/Statement of Liability**

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