



# SAFETY DATA SHEET

Issuing Date 17-May-2017

Revision date 17-May-2017

Revision A

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Pyxis Lab, Inc. Part Numbers** Chlorophyll A 20 PPB Standard  
**Product Name** 20 PPB Chlorophyll Calibration Standard

### Recommended use of the chemical and restrictions on use

**Synonyms** N/A

### Supplier's details

**Recommended Use** Restricted to professional users. Coloring agent.  
**Uses advised against** No information available

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

Pyxis Lab, Inc.  
120 Jeffrey Ave Floor 2  
Holliston MA 01746  
Phone (774) 233-1189

### Emergency telephone number

CHEMTREC 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

### Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

### GHS Label elements, including precautionary statements

#### Emergency Overview

#### Signal Word

Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

**Appearance** brownish liquid

**Physical state** liquid

**Odor** slight to none

### Precautionary Statements

P281 - Use personal protective equipment as required  
P262 - Do not get in eyes, on skin, or on clothing  
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray  
P264 - Wash face, hands and any exposed skin thoroughly after handling  
P270 - Do not eat, drink or smoke when using this product  
P501 - Dispose of contents/ container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)****Other information Unknown acute toxicity**

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

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

**4. FIRST AID MEASURES****First aid measures for different exposure routes**

**Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

**Skin contact** Wash skin with soap and water.

**Inhalation** Move to fresh air.

**Ingestion** Clean mouth with water and drink afterwards plenty of water.

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

**Main Symptoms** No information available.

**Indication of immediate medical attention and special treatment needed, if necessary**

**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** Keep away from heat and sources of ignition.

**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**

**Personal precautions** Avoid contact with the skin and the eyes. Use personal protective equipment. For personal protection see section 8. Ensure adequate ventilation.

**Environmental precautions**

**Environmental precautions** Prevent further leakage or spillage if safe to do so.

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**Methods and materials for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Use personal protective equipment. Dam up. Cover liquid spill with sand, earth or other noncombustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

**7. HANDLING AND STORAGE****Precautions for safe handling****Advice on safe handling**

Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Keep away from open flames, hot surfaces and sources of ignition. Provide appropriate exhaust ventilation at places where dust is formed. As a rule, at least 10 air changes per hour are recommended at the workplace. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.

**Conditions for safe storage, including any incompatibilities**

**Technical measures/Storage conditions** Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.

**Incompatible products**

None known based on information supplied.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Control parameters****Exposure Guidelines**

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

**Exposure controls****Engineering Measures**

Showers  
Eyewash stations  
Ventilation systems. Apply technical measures to comply with the occupational exposure limits. Process enclosure and/or ventilation systems.

**Individual protection measures, such as personal protective equipment****Eye/face Protection**

Avoid contact with eyes. If splashes are likely to occur, wear: Face-shield. Goggles. Eyewash fountains should be provided in areas where there is any possibility that workers could be exposed to the substances; this is irrespective of the recommendation involving the wearing of eye protection.

**Skin and body protection**

Skin and body protection. Wear protective gloves and protective clothing. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory protection**

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing is recommended. Wear suitable gloves and eye/face protection. Wash hands before breaks and immediately after handling the product. Wear personal protective equipment.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

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**physical and chemical properties**

|                       |                          |             |                |
|-----------------------|--------------------------|-------------|----------------|
| <b>Physical state</b> | liquid                   |             |                |
| <b>Appearance</b>     | brownish liquid          | <b>Odor</b> | slight to none |
| <b>Threshold</b>      | No information available |             |                |

| <b><u>Property</u></b>                        | <b><u>Values</u></b>     | <b><u>Remarks • Method</u></b> |  |
|-----------------------------------------------|--------------------------|--------------------------------|--|
| <b>pH</b>                                     | 8.60                     | lower limit                    |  |
| <b>Melting point</b>                          |                          | N/A                            |  |
| <b>Boiling point/boiling range</b>            | ~ 100 °C / 212.00 °F     |                                |  |
| <b>flash point</b>                            | < 121 °C / < 250.00 °F   | Not established                |  |
| <b>evaporation rate</b>                       | No data available        |                                |  |
| <b>Flammability (solid, gas)</b>              | No data available        | No data available              |  |
| <b>Flammability Limits in Air</b>             |                          |                                |  |
| <b>Upper flammability limit</b>               | No information available |                                |  |
| <b>Lower flammability limit</b>               | No information available |                                |  |
| <b>Vapor Pressure</b>                         | No information available |                                |  |
| <b>vapor density</b>                          | No information available |                                |  |
| <b>specific gravity</b>                       | 1.28                     | N/A                            |  |
| <b>Solubility in other solvents</b>           | No information available |                                |  |
| <b>Partition coefficient: n-octanol/water</b> | No information available | N/A                            |  |
| <b>Autoignition temperature</b>               | no data available        |                                |  |
| <b>Decomposition temperature</b>              | No information available |                                |  |
| <b>Kinematic viscosity</b>                    | no data available        |                                |  |
| <b>Dynamic viscosity</b>                      | No information available |                                |  |
| <b>Explosive properties</b>                   | No information available |                                |  |
| <b>Oxidizing properties</b>                   | No information available |                                |  |

**other information**

|                         |                          |
|-------------------------|--------------------------|
| <b>Softening point</b>  | No information available |
| <b>molecular weight</b> |                          |
| <b>VOC Content(%)</b>   | 0                        |
| <b>Density</b>          | No information available |
| <b>bulk density</b>     | No information available |

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**10. STABILITY AND REACTIVITY**

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**Reactivity**

No data available

**Chemical stability**

Stable under recommended storage conditions.

**Hazardous Reactions**

None under normal processing

**Conditions to Avoid**

Extremes of temperature and direct sunlight.

**Incompatible Materials**

None known based on information supplied.

**Hazardous Decomposition Products**

May emit toxic fumes under fire conditions.

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**11. TOXICOLOGICAL INFORMATION**

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**Information on likely routes of exposure**

**Product Information** Product does not present an acute toxicity hazard based on known or supplied information

|                     |                                                             |
|---------------------|-------------------------------------------------------------|
| <b>Inhalation</b>   | Avoid breathing vapors or mists.                            |
| <b>Eye contact</b>  | Avoid contact with eyes.                                    |
| <b>Skin contact</b> | Avoid contact with skin.                                    |
| <b>Ingestion</b>    | Not an expected route of exposure. Do not taste or swallow. |

**Information on toxicological effects**

**Symptoms** No information available.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Sensitization** No information available.

**germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

**Specific target organ systemic toxicity (single exposure)** No information available.

**Specific target organ systemic toxicity (repeated exposure)** No information available.

**Aspiration hazard** No information available.

**Aspiration hazard** No information available.

**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information**

**Unknown acute toxicity** 100 percent of the mixture consists of ingredient(s) of unknown acute toxicity

**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**

No information available.

**Other adverse effects** No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment**

**Waste Disposal Methods**

Should not be released into the environment. Dispose of in accordance with local regulations. This material, as supplied, is not a hazardous waste according to state and federal regulations (40 CFR 261).

**Contaminated packaging**

Do not re-use empty containers. Dispose of in accordance with local regulations.

**14. TRANSPORT INFORMATION**

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**DOT**

Description Not regulated

**MEX****IATA**

Description Not regulated

**IMDG**

Description Not regulated

**RID****ADN****15. REGULATORY INFORMATION****International Inventories**

|                      |                |
|----------------------|----------------|
| <b>TSCA</b>          | Listed         |
| <b>EINECS/ELINCS</b> | Listed         |
| <b>DSL</b>           | Listed         |
| <b>NDSL</b>          | not determined |
| <b>PICCS</b>         | Listed         |
| <b>ENCS</b>          | Listed         |
| <b>IECSC</b>         | Listed         |
| <b>AICS</b>          | Listed         |
| <b>KECL</b>          | Listed         |
| <b>NZIoC</b>         | Listed         |

**Legend**

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

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

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**NZIoC** - New Zealand Inventory of Chemicals

**US 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**

|                                          |     |
|------------------------------------------|-----|
| <b>Acute Health Hazard</b>               | No. |
| <b>Chronic Health Hazard</b>             | No. |
| <b>Fire Hazard</b>                       | No. |
| <b>Sudden release of pressure hazard</b> | No. |

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**Reactive Hazard**

No.

**Clean Water Act**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

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

**International Regulations**

**Mexico - Grade**

Slight risk, Grade 1.

**Canada**

**WHMIS Note**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class**

Non-controlled

**HMIS**

**Health Hazard 1**

**Flammability 0**

**Physical Hazard 0**

**Personal Protection H**

**16. OTHER INFORMATION**

**Revision date** 17-May-2017

**Revision Note** No information available.

**Restrictions on use** No information available.

**Contact Information Website** WWW.PYXIS-LAB.COM.

**Disclaimer**

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.

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