SAFETY DATA SHEET

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: **FCL-100**

Pyxis Laboratories, Inc.
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Tomball TX 77375 United States
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2. HAZARDS IDENTIFICATION

GHS Ratings:

Acute toxicity (oral)	Category 4	H302
Skin corrosion/irritation	Category 2	H315
Serious eye damage/eye irritation	Category 1	H318
Skin sensitization	Category 1	H317
Reproductive toxicity	Category 2	H361
Aquatic acute hazard	Category 1	H401
Aquatic chronic hazard	Category 2	H411

GHS Hazards	GHS Precautions
H302 - Harmful if swallowed H315 - Causes skin irritation H317 - May cause an allergic skin reaction H318 - Causes serious eye damage H361 - Suspected of damaging fertility or the unborn child H401 - Very toxic to aquatic life H411 - Harmful to aquatic life with long lasting effects	P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 Immediately call a POISON CENTER or doctor/physician. P312 If you feel unwell, seek medical advice/attention. P333+P313 If skin irritation or a skin reaction occurs: Get medical advice/attention. P405 Store locked up. P501 Dispose of contents/container to an approved waste disposal plant.

Signal Word: **Danger**

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No	Molecular Wt	Concentration
Deionized Water / Pure Water	7732-18-5	H_2O (18.02)	40-50%
Sodium citrate dihydrate	6132-4-3	$C_6H_5Na_3O_7 \cdot 2H_2O$ (294.10)	20-25%
Glycerol / Glycerine	56-81-5	$C_3H_8O_3$ (92.09)	20-25%
Citric acid, anhydrous	77-92-9	$C_6H_8O_7$ (192.12)	1-5%
N,N-diethyl-p-phenylenediamine sulfate (DPD)	6283-63-2	$C_{10}H_{16}N_2O_4S$ (260.31)	1-5%

4. FIRST AID MEASURES

Inhalation:
Remove victim to fresh air and keep a rest in a position comfortable for breathing. Get medical attention if any discomfort continues.
Eye Contact:
Rinse the eye with water immediately. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention promptly if symptoms occur after washing.
Skin Contact:
Immediately remove contaminated clothing. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing
Ingestion:
NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs. Rinse mouth thoroughly. Get medical attention if any discomfort continues.
Notes to Physician:
Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flash Point: N/A
LEL: UEL:
Flammability of the Product:
Not Flammable.
Extinguishing Media:
Foam, Dry powder, Water spray, Carbon dioxide (CO2)
Special hazards arising from the substance or mixture:
Carbon oxides, Sulfur oxides, Sodium oxides
Specific hazards during fire fighting:
Thermal decomposition can lead to release of irritating gases and vapors.
Fire Fighting Methods:
Standard procedure for chemical fires. Cool containers / tanks with water spray.
Special protective equipment for fire-fighters:
In the event of fire, wear self-contained breathing apparatus. Splashproof protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:
Avoid contact with skin and eyes. Wear personal protective equipment (see section 8) .
Environmental precautions:
Should not be released into the environment. Stop the leakage if possible.
Methods for cleaning up:

In case of large spillage, contain and collect into suitable containers for disposal. Must be disposed of in accordance with local and national regulations. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Handling:
Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Wear appropriate personal protective equipment when handling this product. Do not get in eyes or on skin.
Storage:
Store at room temperature in the original container. Keep tightly closed. Avoid freezing.
Materials for packaging:
Suitable material: original container, plastic (PE, PP, PVC), Stainless steel .

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:
Ensure adequate ventilation.
Occupational exposure controls:
Handle in accordance with good industrial hygiene and safety practice.
Avoid contact with skin and eyes. Wash hands before breaks and immediately after handling the product .
Control of environmental exposure:
Do not let product enter drains. Discharge into the environment must be avoided.
Respiratory protection
For nuisance exposures use type N95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Hand protection
Glove material: Nitrile rubber disposable gloves.
Eye protection
Safety glasses with side-shields. Maintain eyewash fountain in work area.

Skin and body protection
Impervious clothing. Maintain safety shower in work area.

9. PHYSICAL AND CHEMICAL PROPERTIES

Odor: ND	**Vapor Pressure:** ND
Odor threshold: ND	**Melting point:** ND
Freezing point: ND	**Solubility:** ND
Boiling range: ND	**Flash point:** ND
Evaporation rate: ND **Explosive Limits:** ND **pH:**ND	**Flammability:** ND
Specific gravity :ND	**Partition coefficient (n-** ND **octanol/water):ND**
Autoignition temperature: ND	**Decomposition temperature:** ND
Vapor Density: ND	**Grams VOC less water:** ND
Appearance: ND	

10. STABILITY AND REACTIVITY

Chemical stability

Stable under recommended storage conditions.

Incompatibility materials

Oxidizing agents, Acids, Bases

Hazardous reactions :

Hazardous polymerisation does not occur.

Hazardous decomposition products

Thermal decomposition can lead to release of irritating gases and vapors .

11. TOXICOLOGICAL INFORMATION

NO DATA

12. ECOLOGICAL INFORMATION

Ecotoxicity Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Product:

Must be disposed of in accordance with local and national regulations. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated Packaging:

Must be disposed of in accordance with local and national regulations. Dispose of as unused product.

14. TRANSPORT INFORMATION

Agency	Proper Shipping Name	UN Number	Packing Group	Hazard Class
DOT	Not Regulated, as it is not dangerous goods			

15. REGULATORY INFORMATION

SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION