

# SAFETY DATA SHEET

21-Oct-2021

## 1. IDENTIFICATION

### Product identifier

**Product Name** Natural Chemistry Pro Series Extra Strength Clarifier

### Other means of identification

**Product Code** 29992PRO

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

**Recommended Use** Swimming Pool Product.

**Uses advised against** Do not mix with other chemicals

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

#### **Supplier Address**

Bio-Lab, Inc.  
P.O. Box 300002  
Lawrenceville, GA 30049-1002  
Telephone 800-859-7946

### Emergency telephone number

**Emergency Telephone** Chemtrec (Transportation) 1-800-424-9300, 703-527-3887  
Poison Control Center (Medical) : (877) 800-5553

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|                                   |             |
|-----------------------------------|-------------|
| Skin corrosion/irritation         | Category 2  |
| Serious eye damage/eye irritation | Category 2A |

### Label elements

#### Emergency Overview

#### **Warning**

#### **Hazard statements**

Causes skin irritation  
Causes serious eye irritation



**Color** blue

**Physical state** Liquid

**Odor** No information available

#### **Precautionary Statements - Prevention**

Wear protective gloves. Wash hands thoroughly after handling. Wear eye/face protection. Do not breathe mist or vapor.

**Precautionary Statements - Response**

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

IF ON SKIN (or hair): Wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse

**Precautionary Statements - Storage**

Keep out of reach of children. Store away from incompatible materials. Store in original plastic container.

**Precautionary Statements - Disposal**

Dispose of contents/containers in accordance with local regulations

**Hazards not otherwise classified (HNOC)**

None known

**Other Information**

1.63% of the mixture consists of ingredient(s) of unknown toxicity

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Not applicable

-

| Chemical Name | CAS No. | Weight-% |
|---------------|---------|----------|
| Acetic acid   | 64-19-7 | 1.6      |

**4. FIRST AID MEASURES****Description of first aid measures**

|                     |   |
|---------------------|---|
| <b>Eye contact</b>  | Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If symptoms persist, call a physician. |
| <b>Skin contact</b> | Wash off immediately with plenty of water. If skin irritation persists, call a physician.   |
| <b>Inhalation</b>   | Remove to fresh air. If symptoms persist, call a physician.   |
| <b>Ingestion</b>    | Do NOT induce vomiting. Rinse mouth with water. Have person sip a glass of water if able to swallow. If symptoms persist, call a physician.                                     |

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

**Symptoms** Severe eye irritation.

**Indication of any immediate medical attention and special treatment needed**

**Note to physicians** 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** None known.

**Specific hazards arising from the chemical**

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

**Hazardous combustion products** Carbon oxides.

**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 skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional ecological information. Should not be released into the environment.

**Methods and material for containment and cleaning up**

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

**Methods for cleaning up** Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Dispose of contents/containers in accordance with local regulations.

**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. Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation, wear suitable respiratory equipment. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product.

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

**Storage Conditions** Keep out of the reach of children. Keep container tightly closed.

**Incompatible materials** Strong oxidizing agents. Do not mix with other swimming pool/spa chemicals in their concentrated forms.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Guidelines**

| Chemical Name          | ACGIH TLV                   | OSHA PEL   | NIOSH IDLH   |
|------------------------|-----------------------------|--|--|
| Acetic acid<br>64-19-7 | STEL: 15 ppm<br>TWA: 10 ppm | TWA: 10 ppm<br>TWA: 25 mg/m <sup>3</sup><br>(vacated) TWA: 10 ppm<br>(vacated) TWA: 25 mg/m <sup>3</sup> | IDLH: 50 ppm<br>TWA: 10 ppm<br>TWA: 25 mg/m <sup>3</sup><br>STEL: 15 ppm<br>STEL: 37 mg/m <sup>3</sup> |

NIOSH IDLH *Immediately Dangerous to Life or Health*

**Appropriate engineering controls**

**Engineering Controls**                      Showers  
    Eyewash stations  
    Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**                      Wear safety glasses with side shields (or goggles).

**Skin and body protection**                Wear protective gloves and protective clothing.

**Respiratory protection**                    If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene Considerations**        Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

|                       |        |                       |                          |
|-----------------------|--------|-----------------------|--------------------------|
| <b>Physical state</b> | Liquid | <b>Odor</b>           | No information available |
| <b>Appearance</b>     | Clear  | <b>Odor threshold</b> | No information available |
| <b>Color</b>          | blue   |                       |                          |

| <u>Property</u>                       | <u>Values</u>            | <u>Remarks • Method</u> |
|---------------------------------------|--------------------------|-------------------------|
| <b>pH</b>                             | 3 - 4                    |                         |
| <b>Melting point / freezing point</b> | No information available |                         |
| <b>Boiling point / boiling range</b>  | No information available |                         |
| <b>Flash point</b>                    | No information available |                         |
| <b>Evaporation rate</b>               | No information available |                         |
| <b>Flammability (solid, gas)</b>      | No information available |                         |
| <b>Flammability Limit 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                        |                         |
| <b>Water solubility</b>               | Miscible in water        |                         |
| <b>Solubility in other solvents</b>   | No information available |                         |
| <b>Partition coefficient</b>          | No information available |                         |
| <b>Autoignition temperature</b>       | No information available |                         |
| <b>Decomposition temperature</b>      | No information available |                         |
| <b>Kinematic viscosity</b>            | No information available |                         |
| <b>Dynamic viscosity</b>              | No information available |                         |
| <b>Density</b>                        | 8.3                      | lb/gal                  |
| <b>Bulk density</b>                   | No information available |                         |
| <b>Explosive properties</b>           | Not an explosive         |                         |
| <b>Oxidizing properties</b>           | Not oxidizing.           |                         |

**Other Information**

**Softening point**                              No information available

**Molecular weight**                            No information available

**VOC Content (%)**                              No information available

**10. STABILITY AND REACTIVITY**

**Reactivity** This product may react with strong oxidizing agents.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Conditions to avoid**

Extremes of temperature and direct sunlight.

**Incompatible materials**

Strong oxidizing agents. Do not mix with other swimming pool/spa chemicals in their concentrated forms.

**Hazardous Decomposition Products**

May include and are not limited to: Carbon oxides.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Prolonged inhalation may be harmful.  |
| <b>Eye contact</b>  | Causes serious eye irritation.  |
| <b>Skin contact</b> | Irritating to skin.   |
| <b>Ingestion</b>    | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

**Component Information**

| Chemical Name          | Oral LD50            | Dermal LD50             | Inhalation LC50         |
|------------------------|----------------------|-------------------------|-------------------------|
| Acetic acid<br>64-19-7 | = 3310 mg/kg ( Rat ) | = 1060 mg/kg ( Rabbit ) | = 11.4 mg/L ( Rat ) 4 h |

**Information on toxicological effects**

**Symptoms** Skin irritation.

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

|  |                                |
|--|--------------------------------|
| <b>Skin corrosion/irritation</b>         | Irritating to skin.            |
| <b>Serious eye damage/eye irritation</b> | Causes serious eye irritation. |
| <b>Sensitization</b>                     | No information available.      |
| <b>Germ cell mutagenicity</b>            | No information available.      |
| <b>Carcinogenicity</b>                   | No information available.      |
| <b>Reproductive toxicity</b>             | No information available.      |
| <b>STOT - single exposure</b>            | No information available.      |
| <b>STOT - repeated exposure</b>          | No information available.      |
| <b>Target Organ Effects</b>              | Eyes, Skin.                    |
| <b>Aspiration hazard</b>                 | No information available.      |

**Numerical measures of toxicity - Product Information**

The following values are calculated based on chapter 3.1 of the GHS document

|                               |             |
|-------------------------------|-------------|
| ATEmix (dermal)               | 65096 mg/kg |
| ATEmix (inhalation-dust/mist) | 700.1 mg/l  |

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

0.158% of the mixture consists of component(s) of unknown hazards to the aquatic environment

| Chemical Name          | Algae/aquatic plants | Fish  | Crustacea  |
|------------------------|----------------------|---|--|
| Acetic acid<br>64-19-7 | -                    | 75: 96 h Lepomis macrochirus mg/L<br>LC50 static 79: 96 h Pimephales<br>promelas mg/L LC50 static | 65: 48 h Daphnia magna mg/L<br>EC50 Static 47: 24 h Daphnia<br>magna mg/L EC50 |

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Mobility**

No information available.

| Chemical Name          | Partition coefficient |
|------------------------|-----------------------|
| Acetic acid<br>64-19-7 | -0.31                 |

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not reuse container. Refer to all federal, state and local regulations prior to disposal of container and unused contents by reuse, recycle or disposal.

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name          | California Hazardous Waste Status |
|------------------------|-----------------------------------|
| Acetic acid<br>64-19-7 | Toxic<br>Corrosive<br>Ignitable   |

**14. TRANSPORT INFORMATION**

**DOT** Not regulated

**TDG** Not regulated

**IATA** Not regulated

**IMDG** Not regulated

**15. REGULATORY INFORMATION**

**International Inventories**

**TSCA** Complies  
**DSL/NDSL** Complies

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**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>               | Yes |
| <b>Chronic Health Hazard</b>             | No  |
| <b>Fire hazard</b>                       | No  |
| <b>Sudden release of pressure hazard</b> | No  |
| <b>Reactive Hazard</b>                   | No  |

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name          | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|------------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Acetic acid<br>64-19-7 | 5000 lb                     | -                      | -                         | X                          |

**CERCLA**

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name          | Hazardous Substances RQs | CERCLA/SARA RQ | Reportable Quantity (RQ)                   |
|------------------------|--------------------------|----------------|--|
| Acetic acid<br>64-19-7 | 5000 lb                  | -              | RQ 5000 lb final RQ<br>RQ 2270 kg final RQ |

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

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

| Chemical Name          | New Jersey | Massachusetts | Pennsylvania |
|------------------------|------------|---------------|--------------|
| Acetic acid<br>64-19-7 | X          | X             | X            |

**U.S. EPA Label Information**

**EPA Pesticide Registration Number** This product does not contain any substances regulated as pesticides

**Difference between SDS and CPSC label**

This product is regulated under Consumer Product Safety Commission and is subject to certain labeling requirements under the Federal Hazardous Substances Act (16 CFR Part 1500) . These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace product labels.

**16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

|             |                  |                |                    |                                    |
|-------------|------------------|----------------|--------------------|------------------------------------|
| <b>NFPA</b> | Health hazards 2 | Flammability 0 | Instability 0      | Physical and Chemical Properties - |
| <b>HMIS</b> | Health hazards 2 | Flammability 0 | Physical hazards 0 | Personal protection X              |

Prepared By Regulatory Affairs  
 Revision Date 21-Oct-2021  
 Revision Note No information available

**Disclaimer**

The information provided in this Material Safety Data Sheet 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 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 Safety Data Sheet**