

SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: BioLink® Acidifier
MANUFACTURER'S NAME: SAN Group Biotech USA, Inc.
ADDRESS: 1260 Avenida Chelsea, Vista, CA 92081
TELEPHONE NO.: (800) 876-2767
POISON CONTROL TELEPHONE: 1(800) 222-1222
COMPOSITION: Liquid, Citric Acid 50%
RECOMMENDED USE: A Liquid Buffering Agent For Agricultural Use.

2. HAZARD IDENTIFICATION

CLASSIFICATION: **Category 3** – Skin Irritation, **Category 2B** – Dermal Irritation, **Category 2A** – Eye Irritation



SIGNAL WORD: **WARNING.**

HAZARD STATEMENT: H319: Causes serious eye irritation H316: Causes mild skin irritation.
H333: May cause respiratory irritation.

PRECAUTIONARY STATEMENT:

P102: Keep out of reach of children. P103: Read label before use.
P280: Wear protective gloves, eyewear (face shield/goggles), clothing
P264: Wash thoroughly after handling product.
P621: Do not inhale spray mist. P261: Avoid breathing mist.
P270: Do not eat, drink, or smoke when using this product.
P271: Use in well ventilated area P330: Rinse mouth if swallowed
P362+P364: Take off contaminated clothing and wash it before reuse
Refer to Section 4 of this SDS for First Aid information.

OTHER HAZARDS: **BioLink® Acidifier** does not contain toxic chemicals in concentrations subject to the reporting requirements of OSHA or Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 or 40 CFR Part 372. This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

3. COMPOSITION INFORMATION

<u>COMPOSITION</u>	<u>CONCENTRATION %</u>	<u>CAS NUMBER</u>
Citric Acid	50.0%	77-92-9
Water	50.0	7732-18-5

4. FIRST AID MEASURES

If on Skin OR Clothing:	Remove contaminated clothing immediately and wash before reuse. Rinse skin immediately with plenty of water and soap for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If in Eyes:	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses if present, after the first 5 minutes, and then continue rinsing. Call a poison control center or doctor for treatment advice.
If Inhaled:	Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration. Call poison control center or doctor for treatment advice.
If Swallowed:	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by a poison control center or doctor. Do not give anything to an unconscious person.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

NOTES TO PHYSICIAN: Treat patient symptomatically.

5. FIRE-FIGHTING MEASURES

FLASH POINT: N/A

TEST METHOD: N/A

EXTINGUISHING MEDIA: All standard extinguishing agents are suitable.

AUTOIGNITION TEMPERATURE: N/A

FLAMMABLE: This product is not flammable

UNUSUAL FIRE AND EXPLOSION HAZARD: N/A

SPECIAL FIRE FIGHTING PROCEDURES: N/A

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Wipe, scrape or soak up in an inert material and put in a container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard. Wear proper protective equipment as specified in the protective equipment section.

NEUTRALIZING CHEMICALS: N/A

Always dispose of waste materials in accordance with all State, Federal and Local Regulations.

7. HANDLING AND STORAGE

HANDLING REQUIREMENTS:

- Eating, drinking, and smoking should be prohibited in areas where this material is handled, stored, and processed. Workers should wash hands and face before eating, drinking, and smoking.
- Remove contaminated clothing and protective equipment before entering eating areas.
- Do not ingest. Avoid contact with eyes, skin, and clothing. Avoid breathing vapor or mist.

STORAGE REQUIREMENTS:

- **KEEP OUT OF REACH OF CHILDREN.**
- Store in a dry area, above freezing and below 95°F, and out of direct sunlight.
- Keep in the original container or an approved alternative made from a compatible material.
- Keep tightly closed when not in use.
- Do not reuse container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION REQUIREMENTS: Indoor use - adequate mechanical ventilation

SPECIFIC PERSONAL PROTECTIVE EQUIPMENT

EYE PROTECTION: Wear goggles or face shield.

RESPIRATORY PROTECTION: Not required with ventilation. Do not intentionally breathe dust/spray.

HAND PROTECTION: Impermeable or chemical resistant gloves.

OTHER EQUIPMENT: Long sleeve shirt, long pants, socks, and shoes.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear, liquid odorless

pH: 1.0 ± 0.10

BOILING POINT, 760 MM HG: N/A

MELTING POINT: N/A

FLASH POINT: >120°F

SPECIFIC GRAVITY (H₂O=1): 1.24 ± 0.01

EVAPORATION RATE (BUTYLACETATE=1): <1

FLAMMABLE: N/A

VAPOR PRESSURE: N/A

VAPOR DENSITY (AIR=1): N/A

SOLUBILITY IN H₂O: Approximate 100% by Wt.

AUTOIGNITION TEMPERATURE: N/A

% VOLATILES BY VOL: Not known

Note: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

10. STABILITY AND REACTIVITY DATA**GENERAL INFORMATION:** Stable under recommended storage conditions.**CORROSIVE:** YES NO**STABILITY:** stable unstable**INCOMPATIBILITY (materials to avoid):** Reactive with oxidizing agents, reducing agents, metals, alkalis. Corrosive in presence of aluminum, of zinc, of copper.**HAZARDOUS DECOMPOSITION/COMBUSTION PRODUCTS:** N/A**HAZARDOUS POLYMERIZATION:** None

11. TOXICOLOGICAL INFORMATION**SYMPTOMS OF OVEREXPOSURE****INHALATION:** May cause respiratory irritation**SKIN ABSORPTION:** Mild to skin Irritation**INGESTION:** Gastrointestinal Track**SKIN CONTACT:** Mild skin irritation.**EYE CONTACT:** Severe eye irritation, but reversible.**EFFECTS OF OVEREXPOSURE****ACUTE OVEREXPOSURE:** Expected toxicity slight to mild.**CHRONIC OVEREXPOSURE:** Expected toxicity none.**SUSPECTED CANCER AGENT?** NO: This product's ingredients are not found in the lists below. YES: Federal OSHA NTP IARC Cal/OSHA Prop 65

12. ECOLOGICAL INFORMATION**ENVIRONMENTAL EFFECTS:** No known significant effects or critical hazards. This product is expected to be readily biodegradable and it is not likely to bioconcentrate.

13. DISPOSAL PROCEDURES**WASTE DISPOSAL METHOD:** Follow all applicable Federal, State, and local regulations.**CAUTION:** Do not contaminate surface waters or ditches with product or used containers.

14. TRANSPORT INFORMATION**GENERAL INFORMATION:** Hazardous material.**D.O.T.:** Corrosive liquid. Acidic.**OTHER SHIPPING DESCRIPTION:** N/A**TRANSPORT HAZARD CLASS(ES):** N/A**PACKING MATERIALS:** HDPE Containers

15. REGULATORY INFORMATION**EPA REG. NO.:** N/A**ORGANIC CERTIFICATION:** Yes - OMRI**PROPOSITION 65 (CA):** N/A.**SARA TITLE III, SECTION 313 TOXIC CHEMICALS:** None.

16. OTHER INFORMATION

All information, recommendations and suggestions appearing herein concerning our products are based upon tests and data believed to be reliable. However, it is the user's responsibility to determine the safety, toxicity and suitability for his own use of the product described herein. Since the actual use by others is beyond our control, we make no guarantee, expressed or implied, as to the effects of such use, the results to be obtained, or the safety and toxicity of the product; nor do we assume any liability arising out of use, by others, of the product referred to herein. The information herein is not to be construed as absolutely complete since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.

PREPARED BY: Ivonne Sanchez, Regulatory/R&D Coordinator at SAN Group Biotech USA, Inc.**DATE:** 10/23/2013**REV. DATE:** 02/09/2022

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