

SAFETY DATA SHEET

Bio+ Solid Sour and Softener

SECTION 1: PRODUCT & COMPANY IDENTIFICATION

DATE: 08/19/2016 / Supersedes Revision: n/a

Product Name: Bio+Solid Sour and Softener
ID Code: 4982

Manufacturer:
NATIVE GREEN
2110 EAST WALTON BLVD.
AUBURN HILLS, MI 48326
Phone: 248/365-4200
Website: www.nativegreen.com

EMERGENCY CONTACT: Chemtrec, Reference CCN203605
Phone: (800) 424-9300 (collect calls accepted) / International: (703) 527-3887

SECTION 2: HAZARD(S) IDENTIFICATION

Serious Eye Damage/Eye Irritation, Category 2A
Skin Corrosion/Irritation, Category 2
Aquatic Toxicity (Acute), Category 2
Aquatic Toxicity (Chronic), Category 3

GHS Signal Word: WARNING



GHS Hazard Phrases:

H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H401 - Toxic to aquatic life.
H412 - Harmful to aquatic life with long lasting effects.

GHS Precaution Phrases:

P264 - Wash hands thoroughly after handling.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases:

P302+352 - IF ON SKIN: Wash with plenty of soap and water.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison control center or physician for treatment advice. Have product container or label with you when calling poison control center or physician.
P321 - Specific treatment see appropriate section on the label or SDS.
P332+313 - If skin irritation occurs, get medical advice/attention.
P337+313 - If eye irritation persists, get medical advice/attention.
P362 - Take off contaminated clothing and wash before re-use.

GHS Storage and Disposal Phrases:

P501 - Dispose of contents/container to trash after rinsing container.

Potential Health Effects (Acute and Chronic):

Inhalation: No hazard expected in normal industrial use.

Skin Contact: May cause skin irritation.

Eye Contact: May cause eye irritation.

Ingestion: Causes gastrointestinal irritation with nausea, vomiting and diarrhea. May be harmful if swallowed.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
77-92-9	Citric acid	25.0 -45.0 %
157905-74-3	Ethanaminium, 2-hydroxy-N,N-bis(2-hydroxyethyl)-N-methyl-, esters with C16-18 and C18-unsatd. fatty	20.0 -40.0 %
57-13-6	Urea {Carbamide}	12.0 -25.0 %
57-55-6	Propylene glycol {1,2-Propanediol }	5.0 -15.0 %

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SECTION 4: FIRST-AID MEASURES

Emergency and First Aid Procedures:

In Case of Inhalation: No specific treatment is necessary since this material is not likely to be hazardous by inhalation.

In Case of Skin Contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If skin irritation or rash occurs, seek medical advice/attention.

In Case of Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

In Case of Ingestion: Consult a physician. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point: NA

Explosive Limits: LEL: No Data UEL: No Data

Autoignition Pt: No Data

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Fire Fighting Instructions: Wear self contained breathing apparatus for fire fighting if necessary.

Flammable Properties and Hazards: No data available.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Protective Precautions, Protective Equipment and Emergency Procedures: Use personal protective equipment. For personal protection see section 8.

Environmental Precautions: Do not let product enter drains.

Steps To Be Taken In Case Material Is Released Or Spilled: Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal. Use proper personal protective equipment as indicated in Section 8. Spills/Leaks: Avoid generating dusty conditions. Provide ventilation.

SECTION 7: HANDLING AND STORAGE

Precautions To Be Taken in Handling: Avoid contact with skin and eyes.

Precautions To Be Taken in Storing: Keep container tightly closed in a dry and well-ventilated place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
77-92-9	Citric acid	No data.	No data.	No data.
157905-74-3	Ethanaminium, 2-hydroxy-N,N-bis(2-hydroxyethyl)-N-methyl-, esters with C16-18 and C18-unsatd. fatty	No data.	No data.	No data.
57-13-6	Urea {Carbamide}	No data.	No data.	No data.
57-55-6	Propylene glycol {1,2-Propanediol }	No data.	No data.	No data.

Respiratory Equipment (Specify Type): Respirator protection is not normally required.

Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Protective Gloves: Protective gloves not normally required.

Other Protective Clothing: Protective garments not normally required.

Engineering Controls (Ventilation etc.): Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. There are no special ventilation requirements.

Environmental Exposure Controls: Do not let product enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical States: [] Gas [] Liquid [X] Solid

Appearance and Odor: Orange solid block

Floral odor. **Melting Point:** > 120.00 F

Boiling Point: No data.

Autoignition Pt: No data.

Flash Pt: No data.

Explosive Limits: LEL: No data. UEL: No data.

Specific Gravity (Water = 1): ~ 1.0

Vapor Pressure (vs. Air or mm Hg): No data.

Evaporation Rate: No data.

Solubility in Water: Complete

Viscosity:

pH: ~ 2.5 - @ 1%

Percent Volatile: No data.

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SECTION 10: STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: Incompatible materials.
Incompatibility – Materials To Avoid: Oxidizing agents, liquid chlorine.
Hazardous Decomposition Or Byproducts: No data available.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
Conditions To Avoid -Hazardous Reactions: No data available.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological Information: No data available.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
77-92-9	Citric acid	n.a.	n.a.	n.a.	n.a.
157905-74-3	Ethanaminium, 2-hydroxy-N,N-bis(2-hydroxyethyl)-N-methyl-, esters with C16-18 and C18-unsatd. fatty	n.a.	n.a.	n.a.	n.a.
57-13-6	Urea {Carbamide}	n.a.	n.a.	n.a.	n.a.
57-55-6	Propylene glycol {1,2-Propanediol }	n.a.	n.a.	n.a.	n.a.

SECTION 12: ECOLOGICAL INFORMATION

General Ecological Information: No data available.
Mobility in Soil: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal Method: 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. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification. RCRA P-Series: None listed. RCRA U-Series: None listed.

SECTION 14: TRANSPORTATION INFORMATION (DOT/UN CLASSIFICATION)

LAND TRANSPORT (US DOT):
DOT Proper Shipping Name: Not Regulated.
DOT Hazard Class: UN/NA Number: Packing Group:

SECTION 15: REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
77-92-9	Citric acid	No	No	No
157905-74-3	Ethanaminium, 2-hydroxy-N,N-bis(2-hydroxyethyl)-N-methyl-,esters with C16-18 and C18-unsatd. fatty	No	No	No
57-13-6	Urea {Carbamide}	No	No	No
57-55-6	Propylene glycol {1,2-Propanediol }	No	No	No

CAS # Hazardous Components (Chemical Name)

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
77-92-9	Citric acid	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
157905-74-3	Ethanaminium, 2-hydroxy-N,N-bis(2-hydroxyethyl)-N-methyl-, esters with C16-18 and C18-unsatd. fatty	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
57-13-6	Urea {Carbamide}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 8A CAIR; CA PROP.65: No
57-55-6	Propylene glycol {1,2-Propanediol }	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

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SECTION 16: OTHER INFORMATION

Revision Date: 08/19/2016

Preparer Name: Regulatory Affairs

Hazard Rating System:

HMS

Health: 1

Flammability: 0

Physical: 1

PPE: A

Additional Information About This Product:

Company Policy or Disclaimer: The information contained in this Safety Data Sheet is provided pursuant to current OSHA regulations to convey information concerning the hazardous nature of the named product. The information supplied was compiled from the most reliable sources available at the time of preparation and in light of the most reasonable foreseeable exposure situations expected from the intended use of this product. The material(s) may present greater or lesser hazard exposure under other circumstances that are beyond the control of the manufacturer. Therefore it is imperative that all directions and warnings on the product label be read and closely followed.