BIO+DISHMACHINE DELIMER DESCALER ES

1. Product and Company Identification

Product Code: 4987

Revision: 01/01/2022 **BIO+DISHMACHINE DELIMER Product Name:**

DESCALER ES Supersedes Revision: 08/10/2021

Manufacturer Information: Native Green LLC **Phone Number:**

180 A Engelwood Dr (888) 456-6444

Orion, MI 48359

Chemtrec / 24 Hour **Emergency Contact:** Phone: (800)424-9300

Leak, Spill, Exposure, Fire, Accident

Supplier Name and Address: ABVI/GOODWILL OF THE FINGER LAKES

Phone Number: 422 SOUTH CLINTON AVENUE 585-697-5762

ROCHESTER, NY 14620

Hazards Identification

Serious Eye Damage/Eye Irritation, Category 2



GHS Signal Word: Warning

GHS Hazard Phrases: H319 - Causes serious eye irritation.

GHS Precautionary Phrases: P264 - Wash hands thoroughly after handling.

P280 - Wear protective gloves/ eye protection.

P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove **GHS Response Phrases:**

> 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.

P337+313 - If eye irritation persists, get medical advice/attention.

GHS Storage and Disposal

Phrases:

No phrases apply.

Potential Health Effects (Acute and Chronic):

Inhalation: No hazard expected in normal industrial use. No hazard expected in normal industrial use. **Skin Contact:**

Causes eye irritation. **Eye Contact:**

Ingestion: May cause irritation of the digestive tract. Ingestion of large amounts may cause nausea

and vomiting, rigidity or convulsions.

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name) CAS# Concentration

77-92-9 Citric acid 30.0 -60.0 %

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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. Get medical aid if irritation develops or persists.

In Case of Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and

lower eyelids. If irritation develops, get medical aid.

In Case of Ingestion: Do NOT induce vomiting. Never give anything by mouth to an unconscious person.

Rinse mouth with water. Consult a physician.

Signs and Symptoms Of

Exposure:

Vomiting, Diarrhea. Damage to tooth enamel. Dermatitis.

5. Fire Fighting Measures

Flash Pt: NP Method Used: Estimate

Explosive Limits: LEL: UEL:

Autoignition Pt: NA

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

Fire Fighting Instructions: Wear appropriate protective clothing to prevent contact with skin and eyes. Wear a

self-contained breathing apparatus (SCBA) to prevent contact with thermal

decomposition products.

Flammable Properties and

Hazards:

6. Accidental Release Measures

Steps To Be Taken In Case

Material Is Released Or

Spilled:

Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

Avoid generating dusty conditions. Personal precautions.

Use personal protective equipment. Avoid dust formation. Ensure adequate ventilation.

Evacuate personnel to safe areas. Environmental precautions.

Do not let product enter drains.

Pick up and arrange disposal without creating dust. Sweep up and shovel.

7. Handling and Storage

Precautions To Be Taken in

Handling:

Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation. Avoid

formation of dust and aerosols.

Normal measures for preventive fire protection.

Precautions To Be Taken in Store in a cool, dry place.

Storing:

8. Exposure Controls/Personal Protection

CAS # Partial Chemical Name OSHA TWA ACGIH TWA Other Limits

77-92-9 Citric acid

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Respiratory Equipment

Respirator protection is not normally required.

(Specify Type):

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:

Use of gloves is recommended.

Other Protective Clothing:

Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation etc.):

Work/Hygienic/Maintenance

Practices:

Handle in accordance with good industrial hygiene and safety practice. Wash hands

before breaks and at the end of workday.

Physical and Chemical Properties

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

White granular powder Appearance and Odor:

No odor.

0.00 C - 0.00 C **Melting Point:**

0.00 C **Boiling Point: Autoignition Pt:** NA

Flash Pt: NP Method Used: Estimate **Explosive Limits:** LEL: UEL:

Specific Gravity (Water = 1):

~ 60 LB/CF Density:

Vapor Pressure (vs. Air or

mm Hg):

Vapor Density (vs. Air = 1):

Evaporation Rate:

Solubility in Water: Complete ~ 2.5 - @ 1% :Hq

Percent Volatile:

10. Stability and Reactivity

Unstable [] Stability: Stable [X]

High temperatures, Incompatible materials, dust generation. Conditions To Avoid -

Instability:

Avoid:

Incompatibility - Materials To Incompatible with alkalies, sol carbonates, gold and silver salts, lead acetate, lime water, potassium iodide, potassium and sodium tartrate, sodium borate, tannin, vegetable

astringent infusions and decoctions. bromine trifluoride, nitrogen compounds, Oxidizing

agents, Bases, Reducing agents, nitrates.

Hazardous Decomposition or Carbon oxides.

Byproducts:

Possibility of Hazardous Will occur [] Will not occur [X]

Reactions:

Conditions To Avoid -Hazardous Reactions:

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11. Toxicological Information

Toxicological Information:

CAS # Hazardous Components (Chemical Name) NTP IARC ACGIH OSHA
77-92-9 Citric acid n.a. n.a. n.a. n.a.

12. Ecological Information

Bioaccumulative Potential: No data available.

Mobility in Soil: No data available.

13. Disposal Considerations

Waste Disposal Method: 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.

14. Transport Information

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not regulated as a hazardous material.

DOT Hazard Class: NA None

UN/NA Number:

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

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

16. Other Information

Revision Date: 08/10/2021

Preparer Name: Regulatory Affairs

Hazard Rating System: HEAL

HEALTH 1
FLAMMABILITY 0
REACTIVITY 0
PPE A

HMIS:

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.