

SAFETY DATA SHEET

Effective Date: March 29, 2016

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1. IDENTIFICATION

- 1.1 Trade Name (As appears on label) **DETEX-Acid™**
1.2 Application of the Substance: Descaling Detergent
1.3 Manufacturer: *INFINITEX*
P.O Box 383
Clarence, NY 14031
(716) 741-8381
Emergency Telephone Number: (716) 741-8381

2. HAZARDS IDENTIFICATION

- 2.1 Classification of the substance: Eye irritation – Category 2A



- 2.2 Label elements: Hazard pictogram

Signal word: Warning

Hazard statements: H319 – Causes serious eye irritation

Precautinary statements:

P264 Wash hands thoroughly after handling

P280 Wear protective gloves/protective clothing/eye protection

Response:

P305 + P351 + P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present. Continue rinsing.

P337 + P313 – If eye irritation persists, get medical attention

3. Composition / Information on Ingredients

Contains Citric acid anhydrous CAS # 77-92-9 >=99.5%

4. First-Aid Measures

Inhalation: move to fresh air and keep the person calm

Skin Contact: Rinse skin with fresh water. If skin irritation occurs, get medical attention/advice

Eye Contact: immediately flush eyes for at least 15 minutes. Remove contact lenses if present and easy to do. Get medical attention if irritation develops and persists

Ingestion: Rinse mouth and then drink plenty of water. Do not induce vomiting. Get medical attention if symptoms occur.

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5. Fire-Fighting Measures

Suitable extinguishing media: water spray, dry powder, foam, carbon dioxide

Special hazards arising from the substance: harmful vapors, evolution of fumes/fog

Further information: contaminated extinguishing water must be disposed of in accordance with official regulations

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation, especially in confined areas.

Methods and material for containment and cleaning up: Keep in suitable, closed containers for disposal. Clean contaminated surface thoroughly.

Environmental precautions: do not discharge into drains, surface waters or groundwater

7. Handling and Storage

Precautions for safe handling: Avoid dust formation. Avoid breathing dust. Avoid contact with skin and eyes. Risk of dust explosion

Dust explosion class: St1

Conditions for safe storage, including any incompatibilities: Segregate from strong oxidizers, acids and bases. Keep containers tightly closed in a dry and well-ventilated place. Do not store at temperatures above 86°F (30°C)

8. Exposure controls/personal protection

Personal protective equipment:

Respiratory protection: In the case of dust or aerosol formation use respirator with an approved filter. Use NIOSH approved respiratory protection.

Hand protection: chemical resistant protective gloves

Eye protection: safety glasses with side shields

General safety & hygiene measures: When using do not smoke. Keep away from food, drink and animal feeding stuffs.

9. Physical and Chemical Properties

Form: crystalline

Odor: odorless

Color: white

pH: 1.8 (5% solution)

Melting Point: ca. 307°F

Boiling Point: N/A

Flash Point: N/A

Density: 1.665 g/cm³ (25°C)

Solubility in water: soluble

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10. Stability and Reactivity

Reactivity: This product is stable and non-reactive under normal conditions of use and storage

Chemical stability: Material is stable under normal conditions

Possibility of hazardous reactions: No dangerous reactions known under normal conditions of use

Conditions to avoid: Avoid dust formation

Incompatible materials: Strong oxidizing agents

Hazardous decomposition products: Build-up of dangerous/toxic fumes in cases of fire/high temperature

11. Toxicological information

Primary routes of exposure; Routes of entry are ingestion and inhalation, but may include eye or skin contact.

Acute Toxicity/Effects

Acute Toxicity:

Oral: LD50 (mouse) - 5,400 mg/kg

Dermal: LD50 (rat) - >2,000 mg/kg

Irritation/Corrosion: may cause an allergic skin reaction

Skin: rabbit - non-irritating

Eye: rabbit - irritant

Sensitization: No evidence of skin sensitization

Chronic Toxicity/Effects

Genetic toxicity: No mutagenic effects found

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA

Teratogenicity: No indications of developmental toxic/teratogenic effect were seen in animal studies

12. Ecological information

Toxicity to fish (*Leuciscus idus* (Golden orfe)): LC50 (48 hr) - 440 mg/l

Aquatic invertebrates (*Daphnia*): LC50 (24 hr) - 1,535 mg/l

Aquatic plants (Green algae): NOEC (8 days) - 425 mg/l

Bacteria (*Pseudomonas putida*): TT (16 hr) - >10,000 mg/l

Persistence and degradability: Biodegradable

Bioaccumulative potential: Accumulation in organisms not to be expected

13. Disposal considerations

Waste disposal of substance: Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is considered hazardous.

Container disposal: Dispose of large containers in a licensed facility. Recommend crunching, puncturing or other means to prevent unauthorized use of used containers.

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14. Transport Information

Land Transport (USDOT): Not considered a dangerous good under transport regulations

Sea Transport (IMDG): Not considered a dangerous good under transport regulations

Air Transport (IATA/ICAO): Not considered a dangerous good under transport regulations

15. Regulatory Information

Federal Regulations:

OSHA: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

CERCLA RQ: This material does not contain any components with a CERCLA RQ

SARA 304 Extremely Hazardous Substances Reportable Quantity: This material does not contain any components with a section 304 EHS RQ

SARA 311/312 Hazards: Fire hazard

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

SARA 313: This material does not contain any components with known CAS numbers

State Regulations:

CA Prop. 65: This product contains no chemical(s) known to the state of California to cause cancer, birth defects or other reproductive harm

16. Other Information

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Version # 01

Disclaimer: This SDS is designed only as guidance for the product to which it applies. To the greatest extent permitted by applicable law, nothing contained herein creates any legal obligation including contractual obligations, expressed or implied warranties, including any warranties of merchantability or fitness for particular purpose: or confers any intellectual property rights, including rights to use trademarks or a license to use patents, issued or pending. The information contained herein is based on the manufacturer's own study and the work of others, and is subject to change at any time without further notice. There is no warranty, expressed or implied, as to the accuracy, completeness or adequacy of the information contained herein, and neither the provider nor the manufacturer (nor the agents, directors, officers, contractors or employees of either) are liable to any party for the damages of any nature, including direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of any information in this SDS. The receipt and use of this information constitutes consent to these terms and conditions.