

Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: **Degrime+**

Application: Equipment cleaner

Chemical Description: Formulated acid detergent

Manufacturer: Vaughan Industries, Inc.

Address: 8490 Lyndon Detroit, MI 48238

Emergency Phone: 313 935 2040

2. HAZARD IDENTIFICATION

GHS CLASSIFICATION: skin and eye damage, corrosion or irritation (1) acute toxicity, oral and inhalation (4) corrosive to metals (1) combustible liquid (4) harmful if swallowed (4) may be fatal if swallowed and enters airways (1) may cause respiratory irritation (3) may cause drowsiness or dizziness (3) may cause damage to organs (2) harmful to aquatic life (3) serious eye damage/eye irritation (2)



SIGNAL WORD: Danger

HAZARD STATEMENTS: Causes severe skin and eye burns and damage; Do not breathe mist, vapors or spray; Harmful if swallowed or inhaled; Do not eat, drink or smoke when using this product; May be corrosive to metals; Combustible liquid; Harmful if swallowed; May be fatal if swallowed and enters airways; Causes

skin irritation; Causes eye irritation; Harmful if inhaled; May cause respiratory irritation; May cause drowsiness or dizziness; May cause damage to organs; May cause long-lasting harmful effects to aquatic life

PRECAUTION STATEMENTS: If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing; If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing; If on skin (or hair): Immediately remove all contaminated clothing. Rinse skin with water; Wash contaminated clothing before reuse; If swallowed: Rinse mouth. Do not induce vomiting;

Wash hands thoroughly after handling; Do not breathe dust/fume/gas/mist/vapor/spray; Wash with soap and water thoroughly after using this product; Use only outdoors or in well ventilated area; Wear protective gloves/protective clothing/eye protection/face protection; If swallowed: Call a poison center or doctor/physician if you feel unwell; If on skin: Wash with soap and water; If exposed or you feel unwell: Call a

poison center or doctor/physician; If skin irritation occurs: Get medical advice/attention; If eye irritation persists: get medical advice/attention; Store locked up; Do not get in eyes, on skin, or on clothing; If on skin:

wash with plenty of soap and water;

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS No.	Wt%
Muriatic acid	7674-01-0	10-30
Surfactants	Mixture	1-10
2-Butoxyethanol	111-76-2	1-10

4. FIRST AID PROCEDURES

EYES: Flush with large amounts of water. Seek medical attention.

SKIN: Wash with water. If irritation persists, seek medical help.

RESPIRATORY: Move to fresh air. If necessary, give oxygen and seek medical attention.

INGESTION: Consult a physician.

5. FIRE HAZARD DATA

EXTINGUISHING MEDIA: Any ordinary

SPECIAL FIREFIGHTING PROCEDURE: None

6. ACCIDENTAL RELEASE MEASURES

ACTION FOR SPILLS: Collect as much as possible for reuse. Place remainder in suitable container for disposal.

7. HANDLING AND STORAGE

VENTILATION: Equivalent to outside

RESPIRATORY PROTECTION: Normally not required

EYE PROTECTION: Safety glasses or goggles are always recommended

GLOVES: Plastic or rubber as used for washing

PROTECTIVE CLOTHING: Clean work clothes

STORAGE: Store in a dry area at temperatures above freezing. Use chemical goggles and gloves when transferring concentrates.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS: n/m

ENGINEERING CONTROLS: Use with adequate ventilation. Ensure eye wash and safety shower stations are available near areas where product is used.

PERSONAL PROTECTION EQUIPMENT: Safety glasses must be worn. Maintain eye wash facilities in the work area. Wear gloves impervious to conditions of use.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: clear, green liquid

ODOR: acid

ODOR THRESHOLD: n/m

pH: < 1.0

VISCOSITY: n/m

RELATIVE DENSITY: 1.05 – 1.07

INITIAL BOILING POINT AND RANGE: 212 °F

MELTING/FREEZING PT: n/m

SOLUBILITY IN WATER: miscible

PARTITION COEFF: n-octanol/water: n/m

VAPOR PRESSURE: n/m

VAPOR DENSITY: Heavier than air

FLASH POINT: none

FLAMMABLE LIMITS: LFL: n/m UFL: n/m

AUTOIGNITION TEMPERATURE: n/m

DECOMPOSITION TEMPERATURE: n/m

EVAPORATION RATE: Slower than butyl acetate

10. STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY: Strong oxidizers and strong alkalies

11. TOXICOLOGICAL INFORMATION

THRESHOLD LIMIT VALUE: Ingredient 1, ACGIH TLV 2 ppm; Ingredient 2, TLV unknown;

Ingredient 3, TLV 25 ppm

PRECAUTIONARY STATEMENT: May cause eye and skin irritation

EYE CONTACT: May cause eye damage

SKIN CONTACT: Prolonged contact can cause irritation

RESPIRATORY: Will cause irritation if aerosolized

INGESTION: May cause gastrointestinal irritation

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

INGREDIENTS LIST AS CARCINOGEN: None listed

12. ECOLOGICAL INFORMATION

All work practices must be aimed at eliminating environmental contamination.

ENVIRONMENTAL FATE: Bioaccumulation is not expected to be significant. This product is made from biodegradable components.

ECOLOGICAL DATA: Fish: LC50, 58 mg/L

Algae: n/m

Daphnia: n/m

Material is toxic to aquatic life on an acute basis

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with all local, state and federal regulations.

14. TRANSPORTATION INFORMATION

US DEPARTMENT OF TRANSPORTATION

Proper Shipping Name: Hydrochloric acid

Hazard Class: 8

UN/NA Number: UN 1789

Packing Group: III

Labels Required: Corrosive

15. REGULATORY INFORMATION

SARA Title III Section 313: 2-Butoxyethanol

US CERCLA REPORTABLE QUANTITY: None

US TSCA INVENTORY STATUS: The components of this product are TSCA listed.

OTHER US FEDERAL REGULATIONS: None

16. OTHER INFORMATION

The data and recommendations presented herein are based upon our research and that of others and are believed to be accurate. No guarantee of their accuracy is made, and they are distributed without warranty, express or implied. The person receiving them shall make their own determination of the suitability thereof for their particular purpose. n/a: not available n/m: not measured

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