

Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: **Citri-Clean**
Application: Auto Laundry
Chemical Description: Blended detergent product

Manufacturer: Vaughan Industries, Inc.
Address: 8490 Lyndon Detroit, MI 48238
Emergency Phone: 313 935 2040

2. HAZARD IDENTIFICATION

GHS CLASSIFICATION: acute toxicity, oral (4) skin corrosion/irritation (2) serious eye damage/eye irritation (2) acute toxicity, inhalation (4) target organ toxicity, single exposure (3) hazardous to aquatic environment (3) respiratory sensitizer (1) skin sensitizer (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)

SIGNAL WORD: Danger

HAZARD STATEMENTS: Harmful if swallowed; Causes skin irritation; Causes eye irritation; May cause respiratory irritation; Harmful to aquatic life; Harmful if

inhaled; May cause an allergic skin reaction; May cause allergy or asthma symptoms or breathing difficulties if inhaled; Combustible liquid; May be fatal if swallowed and enters airways; May cause drowsiness or dizziness; May cause damage to organs

PRECAUTION STATEMENTS: Wash with soap and water thoroughly after handling; Do not eat, drink or smoke when using this product; Use only outdoors or in a well ventilated area; Wear protective gloves/protective clothing/eye protection/face protection; If on skin: Wash with soap and water; If inhaled: Remove victim to fresh air and keep 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. Continue rinsing; 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; Remove/Take off immediately all contaminated clothing; Wash contaminated clothing before reuse; Store locked up; Dispose of contents/container in an approved waste disposal plant; Do not breathe dust/fume/gas/mist/vapors/spray; Do not get in eyes, on skin, or on clothing; Get medical advice/attention if you feel unwell; If skin irritation occurs: get medical advice/attention; 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; If swallowed: Call a poison center or doctor/physician if you feel unwell; Rinse mouth

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS No.	Wt%
Sodium dodecylbenzenesulfonate	68081-81-2	1-10
Surfactant	mixture	1-10
Citric acid	5949-29-1	1-5
2-Butoxyethanol	111-76-2	1-5

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 concentrations.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS: Ingredient 4: TWA 50 ppm

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, colorless liquid

ODOR: citrus

ODOR THRESHOLD: n/m

pH: 3.0 – 4.0

VISCOSITY: 100-200 cps

RELATIVE DENSITY: 1.04 – 1.06

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

11. TOXICOLOGICAL INFORMATION

THRESHOLD LIMIT VALUE: Ingredient 4: TWA 50 ppm

PRECAUTIONARY STATEMENT: May cause eye and skin irritation

EYE CONTACT: May cause eye irritation

SKIN CONTACT: Prolonged contact can cause irritation

RESPIRATORY: n/m

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: Ingredient 1: Fish, LC50, 1-10 mg/L; Ingredient 2: Fish, 96 h, LC50, 10 mg/L; Ingredient 4: Fish, 96 h, 1250 ppm

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: n/a

Hazard Class: n/a

UN/NA Number: n/a

Packing Group: n/a

Labels Required: none

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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