

Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: **Renew**
Application: Auto Laundry
Chemical Description: Formulated washing compound

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

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS No.	Wt%
Sodium carbonate	497-19-8	1-10
Cocamidopropylamine oxide	68155-84-1	1-5
Surfactant blend	mixture	1-5

3. HAZARD IDENTIFICATION

GHS CLASSIFICATION: skin corrosion/ irritation (2) serious eye damage/eye irritation (2) acute toxicity, inhalation (4) hazardous to the aquatic environment (4)



SIGNAL WORD: Warning

HAZARD STATEMENTS: Causes skin irritation; Harmful if inhaled; May cause long-lasting harmful effects to aquatic life; Causes serious eye damage

PRECAUTION STATEMENTS: Wash hands thoroughly after handling; If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing; If eye irritation persists: Get medical advice/attention; Do not get in eyes, on skin, or on clothing; Wear protective gloves/protective clothing/eye protection/ face protection; Do not breathe dust/fume/gas/mist/vapors/spray; Do not get in eyes, on skin, or on clothing; If on skin: wash with plenty of soap and water; Get medical advice/attention if you feel unwell; If skin irritation occurs: get medical advice/attention; Wear eye protection/face protection; Immediately call a poison center or doctor/physician

4. FIRST AID PROCEDURES

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

SKIN: Wash with water. If irritation persist, 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 dry area at temperatures above freezing. Use chemical goggles and gloves when transferring concentrates

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS: Ingredient 1: DNEL 10 mg/m³

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: lemon

ODOR THRESHOLD: n/m

pH: 10 - 11

VISCOSITY: n/m

RELATIVE DENSITY: 0.96 – 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 1: DNEL 10 mg/m³

PRECAUTIONARY STATEMENT: May cause eye and skin irritation

EYE CONTACT: May cause eye irritation

SKIN CONTACT: Prolonged contact can cause irritation

RESPIRATORY: Aerosols can be irritating

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, 96 h, LC50, 300 mg/L; daphnia, 48 h, EC50, 200 mg/L; algae, 5 d, EC50, 242 mg/L; Ingredient 3: minnow, 96 h, 10-20 mg/L; algae, 96 h, EC50, 1-5 mg/L

This material is not expected to be harmful to the environment.

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: This product contains no material regulated under SARA Title III Section 313.

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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