

## Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

Product Name: **Guardian**

Application: Auto Laundry

Chemical Description: Blended temporary rust inhibitor

Manufacturer: Vaughan Industries, Inc.

Address: 8490 Lyndon Detroit, MI 48238

Emergency Phone: 313 935 2040

### 2. HAZARD IDENTIFICATION

GHS CLASSIFICATION: corrosive to metals (1) acute toxicity, oral (4) acute toxicity, dermal (4) skin corrosion/irritation (1) sensitization (1) acute toxicity, inhalation (4) target organ toxicity, single exposure (2) may cause drowsiness or dizziness (3) may impair fertility may cause harm to the unborn child

SIGNAL WORD: Danger

HAZARD STATEMENTS: May be corrosive to metals; Harmful if swallowed; Harmful in contact with skin; Causes severe skin burns and eye damage; May cause an allergic skin reaction; Harmful if inhaled; May cause allergy/asthma symptoms/breathing difficulties if inhaled; May cause drowsiness or dizziness; May cause damage to

organs; May cause respiratory tract irritation; May damage fertility or the unborn child

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 well ventilated area; Contaminated work clothing should not be allowed out of the workplace; Wear protective gloves/protective clothing/eye protection/face protection; In case of inadequate ventilation, wear respiratory protection; If swallowed: Call a poison center or doctor/physician if you feel unwell; If swallowed: Rinse mouth. Do not induce vomiting; If on skin: Gently wash with soap and water; If on skin (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower; 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. Continue rinsing; Immediately call a poison center or doctor/physician; If skin irritation occurs: Get medical advice/attention; Wash contaminated clothing before reuse; Avoid contact with the skin, eyes and clothing; Avoid inhalation of mists/vapors; Use with local exhaust ventilation; Wear NIOSH-certified chemical goggles; Wear chemical resistant protective gloves; Wear protective clothing; Eyewash fountains and safety showers must be readily accessible; Obtain special instruction before use; Do not handle until all safety precautions have been read and understood; Use personal protective equipment as required; If exposed or concerned: Get medical advice/attention; Store locked up

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS No.	Wt%
Boric acid	10043-35-3	1-15
Triethanolamine	102-71-6	5-25
Monoethanolamine	141-43-5	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 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 sower 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: Thin, clear, green liquid

ODOR THRESHOLD: n/m pH: 8.0 – 9.0

INITIAL BOILING POINT AND RANGE: 212 °F

RELATIVE DENSITY: 1.08 – 1.09 SOLUBILITY IN WATER: soluble

FLASH POINT: none

VAPOR PRESSURE: n/m

EVAPORATION RATE: Slower than butyl acetate

ODOR: odorless

VISCOSITY: n/m

MELTING/FREEZING PT: n/m

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

AUTOIGNITION TEMPERATURE: n/m

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

DECOMPOSITION TEMPERATURE: n/m

### 10. STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY: Strong oxidizers

### 11. TOXICOLOGICAL INFORMATION

THRESHOLD LIMIT VALUE: Ingredient 1, OSHA TWA 3 ppm; Ingredient 3, inhalation 8.3 mg/m<sup>3</sup>

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

ECOLOGICAL DATA: Ingredient 1; Fish, 96 h, LC50, 456 mg/L; Daphnia, 48 h, LC50, 760 mg/L; Algae, 72 h, EC50, 229 mg/L; Ingredient 3; daphnia, 48 h, EC50, 65 mg/L; algae, 72 h, EC50, 2.5 mg/L

### 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

UN/NA Number: n/a

Labels Required: None

Hazard Class: n/a

Packing Group: n/a

### 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.

Date of Preparation: 4-15-15 AD

n/a: not available n/m: not measured

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