

## Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

Product Name: **Orange Sealer**  
Application: Auto Laundry  
Chemical Description: Cationic emulsion

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

### 2. HAZARD IDENTIFICATION

GHS CLASSIFICATION: aspiration hazard (1) acute toxicity (oral) (4) skin irritation (2) serious eye damage (1) specific target organ toxicity-single exposure (3) may be fatal if swallowed and enters airways (1) harmful if inhaled (4) may cause respiratory irritation (3) may cause drowsiness or dizziness (3) harmful to aquatic life (3)

SIGNAL WORD: Danger

HAZARD STATEMENTS: Harmful if inhaled; Causes skin irritation; May be fatal if swallowed and enters airways; Causes serious eye damage; May cause drowsiness or dizziness; May cause respiratory irritation; May cause damage to organs; Harmful to aquatic life



PRECAUTION STATEMENTS: Avoid breathing dust/fume/mist/vapors/spray; Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking; Wash skin thoroughly after handling; Wear protective gloves/protective clothing/eye protection/face protection; If on skin (or hair): 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; Get medical advice/attention; Store in a well-ventilated place. Keep container tightly closed; Use only outdoors or in well ventilated area; If swallowed: Call a poison center or doctor/physician if you feel unwell; If exposed or you feel unwell: Call a poison center or doctor/physician; Rinse mouth; If skin irritation occurs: Get medical advice/attention; If eye irritation persists: get medical advice/attention; Wash contaminated clothing before reuse; Store locked up

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS No.	Wt%
Hydrotreated Middle Distillate (Petroleum)	64742-46-7	10-30
2-Butoxyethanol	111-76-2	1 -15
Alkyl Quaternary Ammonium Chloride	Proprietary	1-20
Fragrance	Proprietary	<1

### 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: TLV 110 mg/m<sup>3</sup>  
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, red liquid ODOR: Orange  
pH: 6-8 VISCOSITY: n/m  
INITIAL BOILING POINT AND RANGE: n/m 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: n/m 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, 10 mg/m<sup>3</sup>; Ingredient 2, 25 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: 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: Ingredient 1: fish, 96 h, LC50, 10,000 mg/L Ingredient 3 is toxic to fish.

### 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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