

Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: **Spectra Orange**

Application: Auto laundry

Chemical Description: Colored, blended detergent

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 (2A) hazardous to the aquatic environment, long term hazard (3) harmful if swallowed (4) may be fatal if swallowed and enters airways (1) harmful if inhaled (4) may cause drowsiness or dizziness (3) may cause damage to organs (2)



SIGNAL WORD: Warning

HAZARD STATEMENTS: Harmful if swallowed; Causes skin irritation; Causes serious eye irritation; Harmful to aquatic life with long lasting effects; Harmful if swallowed; May be fatal if swallowed and enters airways; May cause respiratory irritation; May cause drowsiness or

dizziness; May cause damage to organs

PRECAUTION STATEMENTS: Wash thoroughly after handling; Do not eat, drink or smoke when using this product. Avoid release to the environment; Wear protective gloves; Wear eye/face protection; If swallowed: Call a poison center/doctor if you feel unwell. If on skin: Wash with plenty of water; If in eyes. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing; Rinse mouth; If skin irritation occurs: Get medical advice/attention; If eye irritation persists: Get medical advice/attention; Take off contaminated clothing and wash before reuse; Store away from incompatible materials; Dispose of contents/container in accordance with local/regional/national/international regulations; 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 inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing; If exposed or you feel unwell: Call a poison center or doctor/physician; Rinse mouth; Store locked up; Do not breathe dust/fume/gas/mist/vapors/spray

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS No.	Wt%
Sodium olefin sulfonate	68439-57-6	10-30
2-Butoxyethanol	111-76-2	1-5
Surfactant	mixture	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 dry area at temperatures above freezing. Use chemical goggles and gloves when transferring concentrates

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS: Ingredient 2: OSHA 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, orange liquid

pH: 7.0 – 9.0

INITIAL BOILING POINT AND RANGE: 212 °F

SOLUBILITY IN WATER: miscible

VAPOR PRESSURE: n/m

FLASH POINT: none

AUTOIGNITION TEMPERATURE: n/m

EVAPORATION RATE: Slower than butyl acetate

ODOR: floral

VISCOSITY: n/m

RELATIVE DENSITY: 0.95 – 1.05

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

VAPOR DENSITY: Heavier than air

FLAMMABLE LIMITS: LFL: n/a UFL: n/a

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 2: OSHA 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: 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. This material is not expected to be dangerous to the environment.

ECOLOGICAL DATA: Ingredient 1: Fish, 96 h, LC50, 2.5-5 mg/L; daphnia, 48 h, EC50, 4.48 mg/L Algae, 72 h, EC50, 45 mg/L; Ingredient 2: Fish, 96 h, 1250 ppm; Ingredient 3: Fish, 96 h, LC50, 10 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 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

Date of Preparation: 4-22-15 AD

Revision Number: 3