

Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: **Bright Sail**
Application: I & I Laundry
Chemical Description: Formulated detergent

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

2. HAZARD IDENTIFICATION

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

SIGNAL WORD: Warning

HAZARD STATEMENTS: Causes skin irritation; Causes eye irritation; Harmful if inhaled; May cause long-lasting harmful effects to aquatic life; Harmful if swallowed; Suspected of causing cancer; May cause respiratory irritation

PRECAUTION STATEMENTS: Do not breathe dust/fume/gas/mist/vapors/spray; Do

not get in eyes, on skin, or on clothing; Wear protective gloves/protective clothing/eye protection/face protection; If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do; If on skin: wash with plenty of soap and water; If skin irritation occurs: get medical advice/attention; 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; If inhaled: Remove victim to fresh air and keep in a position comfortable for breathing; If exposed or you feel unwell: Call a poison center or doctor/physician; 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

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS No.	Wt%
Surfactant	mixture	10-20
Nitritotriacetate, sodium salt	18662-53-8	1-10
Sodium dodecylbenzenesulfonate	68081-81-5	10-20

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 concentrates.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS: Ingredient 2: TWA 1 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, light brown liquid
pH: 9.0 – 10.0
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: mild
VISCOSITY: 80-100 cps
PARTITION COEFF: n-octanol/water: n/m
VAPOR DENSITY: Heavier than air
FLAMMABLE LIMITS: LFL: n/m UFL: n/m
DECOMPOSITION TEMPERATURE: n/m

ODOR THRESHOLD: n/m
RELATIVE DENSITY: 1.0 – 1.1
MELTING/FREEZING PT: n/m

10. STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY: Strong oxidizers

11. TOXICOLOGICAL INFORMATION

THRESHOLD LIMIT VALUE: Ingredient 2: TWA 1 mg/m³

PRECAUTIONARY STATEMENT: May cause eye and skin irritation

EYE CONTACT: May cause eye damage

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: Nitritotriacetate, sodium salt has been shown to cause tumors in certain laboratory animals when administered orally at very high dosages. The relevance of these tests to humans has not been established.

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 mg/L ; Ingredient 2: Fish, 96 h, LC50, 298 mg/L; Daphnia, 48 h, LC50, 560 mg/L; Algae, 5 day, EC50, 143 mg/L Ingredient 3: Fish, LC50, 1-10 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: 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

Date of Preparation: 4-24-15 AD

Revision Number: 3