

Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: Body Blue
Application: Detergent presoak
Chemical Description: Formulated detergent

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

2. HAZARD IDENTIFICATION

GHS CLASSIFICATION: acute toxicity (3) skin corrosion (1B) acute toxicity, oral (4) serious eye damage/eye irritation (1) acute toxicity, inhalation (4) corrosive to metals (1) highly flammable liquid and vapor (3) may be fatal if swallowed and enters airways (1) may cause drowsiness or dizziness (3)

SIGNAL WORD: Danger

HAZARD STATEMENTS: Toxic if swallowed; Causes severe skin burns and eye damage; May be corrosive to metals; Harmful if inhaled; Highly flammable liquid and vapor; May be fatal if swallowed and enters airways; May cause respiratory irritation; May cause drowsiness or

dizziness; Harmful to aquatic life

PRECAUTION STATEMENTS: Wear protective gloves/protective clothing/eye protection/face protection; If swallowed: Rinse mouth. Do not induce vomiting; If on skin: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower; If in eyes: Rinse cautiously with water for several minutes; Remove contact lenses if present and easy to do—continue rinsing; If exposed or you feel unwell: Call a poison center or doctor/physician; Keep only in original container; Do not breathe dust/fume/gas/mist/vapors/spray; Do not get in eyes, on skin, or on clothing; Wash hands thoroughly after handling; If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing; Wash contaminated clothing before reuse; absorb spillage to prevent material damage; Store in a closed container; Store locked up; Dispose of contents/container to appropriate waste site or reclaimer in accordance with local and national regulations; Use only outdoors or in a well ventilated area; If skin irritation occurs: Get medical advice/attention; If eye irritation persists: Get medical advice/attention

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	LISTED HAZARD	CAS No.
Ammonium bifluoride	Corrosive, severely toxic	1341-49-7
Alkylbenzenesulfonic	Corrosive, TWA	27176-87-0
2-Propanol	TWA	67-63-0

4. FIRST AID PROCEDURES

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

SKIN: Wash with water. Soak with a 0.13% solution of Zephirin chloride. (Do not use around eyes). Seek medical help.

RESPIRATORY: Move to fresh air. If necessary, give oxygen and seek medical attention.

INGESTION: Consult a physician. Do not induce vomiting. If conscious, give plenty of water.

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: n/m

ENGINEERING CONTROLS: Use 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 blue liquid

ODOR: alcohol

ODOR THRESHOLD: n/m

pH: 3.5 – 4.0

VISCOSITY: n/m

RELATIVE DENSITY: 1.00 – 1.02

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 and strong bases

11. TOXICOLOGICAL INFORMATION

THRESHOLD LIMIT VALUE: Ingredient 1, ACGHI TLB-TWA 2.5 mg/m³ for fluoride; Ingredient 3, TWA 400 ppm.

PRECAUTIONARY STATEMENT: May cause eye and skin irritation.

EYE CONTACT: May cause eye damage.

SKIN CONTACT: May cause delayed burns with no noticeable pain. Can be absorbed through skin. Can cause hypocalcemia.

RESPIRATORY: Can lead to inflammation of the respiratory tract and chemical pneumonia.

INGESTION: Can cause gastro-intestinal burns. May also cause kidney dysfunction. Can be fatal if inhaled or ingested. Chronic effects of overexposure: repeated or prolonged contact with vapors may cause nasal ulceration or infection of the bronchial tract and eyes. In extreme cases, hypocalcemia, too erosion and bone or joint destruction can occur.

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.

ECOLOGICAL DATA: Ingredient 1: Fish, 96 h, LC50, 107.5 ppm; Daphnia, 48 h, EC50, 97 mg/L; Algae, 96 h, IC50, 43 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: Hydrofluoric acid

Hazard Class: 8

UN/NA Number: NA 1790

Packing Group: III

Labels Required: Corrosive

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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