

1. PRODUCT IDENTIFICATION

Product Name: **Liquid Brush**
 Application: Auto Laundry
 Chemical Description: Heavy duty detergent blend
 Date of Preparation: 1-3-13 AD

Manufacturer: Vaughan Industries, Inc.
 Address: 8490 Lyndon Detroit, MI 48238
 Emergency Phone: 313 935 2040
 Revision Number: 4

2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	LISTED HAZARD	CAS No.
Alkali metal silicate	Corrosive	1344-09-8
Alkali metal hydroxide	Corrosive	7647-14-5
Nitritoltracetate, sodium salt	Possible carcinogen	18662-53-8

3. HAZARD IDENTIFICATION

GHS CLASSIFICATION: Warning
 HAZARD STATEMENTS: Corrosive; Possible carcinogen

HMIS
 Health 3 Flammability 0 Reactivity 0
 Protective equipment: Eye protection, gloves

**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

FLASH POINT: None
 METHOD USED: n/a
 EXTINGUISHING MEDIA: Any ordinary
 SPECIAL FIREFIGHTING PROCEDURE: None

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

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 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

BOILING POINT: 212°F
 VAPOR PRESSURE: n/m
 VAPOR DENSITY: Heavier than air
 EVAPORATION RATE: Slower than butyl acetate
 APPEARANCE AND ODOR: Thin, clear, blue liquid with solvent odor

SOLUBILITY IN WATER: Miscible
 SPECIFIC GRAVITY: 1.03 – 1.05
 pH: 13

10. STABILITY AND REACTIVITY

STABILITY: Stable
 HAZARDOUS POLYMERIZATION: Will not occur
 INCOMPATIBILITY: Strong oxidizers

11. TOXICOLOGICAL INFORMATION

THRESHOLD LIMIT VALUE: n/m
 PRECAUTIONARY STATEMENT: May cause eye and skin irritation
 EYE CONTACT: May cause eye damage
 SKIN CONTACT: Prolonged contact can cause irritation
 RESPIRATORY: Will cause irritation if aerosolized
 INGESTION: May cause gastrointestinal irritation
 MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting kidney and lung conditions
 INGREDIENTS LIST AS CARCINOGEN: Nitritoltracetate, sodium salt

12. ECOLOGICAL INFORMATION

All work practices must be aimed at eliminating environmental contamination.
 ENVIRONMENTAL FATE: Bioaccumulation is not expected contamination.
 ECOLOGICAL DATA: Fish: LC50, 96 hours, 103 – 125 mg/L Algae: EC50, 72 hours, > 91.5 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: Compounds, cleaning liquid
 UN/NA Number: NA 1760
 Labels Required: Corrosive
 Hazard Class: 8
 Packing Group: III

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