

Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: **Smart Line Low pH**

Application: Auto Laundry

Chemical Description: Formulated acid detergent

Manufacturer: Vaughan Industries, Inc.

Address: 8490 Lyndon Detroit, MI 48238

Emergency Phone: 313 935 2040

2. HAZARD IDENTIFICATION

GHS CLASSIFICATION: skin corrosion/irritation (1) serious eye damage/eye irritation (1) acute toxicity, inhalation (4) corrosive to metals (1) acute toxicity, oral and inhalation (4) hazardous to the aquatic environment, long term hazard (3)



SIGNAL WORD: Danger

HAZARD STATEMENTS: May be corrosive to metals; harmful if swallowed; Causes severe skin burns and eye damage; Do not breathe mist, vapors or spray; Harmful if swallowed or inhaled; Do not eat, drink or smoke when using this product; Toxic to aquatic life; Harmful to aquatic life with long lasting effects

PRECAUTION STATEMENTS: 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; Wear protective

gloves/protective clothing/eye protection; If swallowed: Rinse mouth. Do not induce vomiting; If on skin (or

hair): Remove/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;

Immediately call a poison center or doctor/physician; 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 in a hood or well ventilated area; Avoid release to the environment; If swallowed: Call a poison

center/doctor if you feel unwell. If on skin: Wash with plenty of water; If skin irritation occurs: Get medical

advice/attention; If eye irritation persists: Get medical advice/attention; Store away from incompatible

materials; Dispose of contents/container in accordance with local/regional/national/international regulations

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS No.	Wt%
Alkylbenzenesulfonic acid	27176-87-0	5-20
Muriatic acid	7674-01-0	1-5
Sodium olefin sulfonate	68439-57-6	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: Rinse mouth with water. Drink 1 – 2 large glasses of water. Do not induce vomiting. 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: OSHA ceiling 5 ppm as hydrochloric acid

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, colorless liquid

pH: < 2.0 @ 10%

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: Slight acid

VISCOSITY: n/m

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

VAPOR DENSITY: Heavier than air

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

DECOMPOSITION TEMPERATURE: n/m

MELTING/FREEZING PT: n/m

10. STABILITY AND REACTIVITY

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY: Strong oxidizers and strong alkalies

11. TOXICOLOGICAL INFORMATION

THRESHOLD LIMIT VALUE: Ingredient 1, ACGIH TLV 2 ppm

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: 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: LC50, 282 mg/L; Algae: n/m; Ingredient 2: Fish, 96 h, LC50, 2.5-5 mg/L; Daphnia, 48 h, EC50, 4.48 mg/L; Algae, 72 h, EC50, 45 mg/L

Material is toxic to aquatic life on an acute basis.

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: Hydrochloric acid

UN/NA Number: UN 1789

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

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