

## Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

Product Name: **Formula 528**

Application: Tire Cleaner

Chemical Description: Detergent with metasilicate

Manufacturer: Vaughan Industries, Inc.

Address: 8490 Lyndon Detroit, MI 48238

Emergency Phone: 313 935 2040

### 2. HAZARD IDENTIFICATION

GHS CLASSIFICATION: skin corrosion (1B) eye damage (1) metal corrosion (1) harmful if swallowed (4) may be fatal if swallowed and enters airways (1) may cause respiratory irritation (3) may cause drowsiness or dizziness (3) may cause damage to organs (2) harmful to aquatic life (3) acute toxicity, inhalation (4) hazardous to the aquatic environment (4)



SIGNAL WORD: Danger

HAZARD STATEMENTS: Causes severe skin burns and eye damage; May cause respiratory irritation; May be corrosive to metals; Harmful if swallowed; May be fatal if swallowed and enters airways; Harmful if inhaled; May cause drowsiness or dizziness; May cause damage to organs; Harmful to aquatic life; May cause long-lasting harmful effects to aquatic life

PRECAUTION STATEMENTS: Do not get in eyes, on skin, or on clothing; Wear protective gloves/protective clothing/eye protection/face 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 in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing; Wash thoroughly after handling; If on skin: wash with plenty of soap and water; If skin irritation occurs: get medical advice/attention; If eye irritation persists: get medical advice/attention; 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 swallowed: Call a poison center or doctor/physician if you feel unwell; 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 metasilicate     | 6834-92-0 | 1-10 |
| Sodium tripolyphosphate | 7758-29-4 | 1-10 |
| 2-Butoxyethanol         | 111-76-2  | 1-10 |
| Surfactants             | mixture   | 1-10 |

### 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 1: TWA 2 mg/m<sup>3</sup>; Ingredient 2: TWA 10 mg/m<sup>3</sup>; Ingredient 3: 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, yellow liquid

ODOR: solvent

ODOR THRESHOLD: n/m

pH: > 13

VISCOSITY: n/m

RELATIVE DENSITY: 0.99 – 1.09

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

### 11. TOXICOLOGICAL INFORMATION

THRESHOLD LIMIT VALUE: TWA 2 mg/m<sup>3</sup>

PRECAUTIONARY STATEMENT: May cause 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, 96 h, LC50, 210 mg/L; Daphnia, 48 h, EC50, 1700 mg/L; Ingredient 3: Fish, 96 h, 1250 ppm; Ingredient 4: Fish, 96 h LC50, 9.3 mg/L; Daphnia, 48 h, LC50, > 100 mg/L; Algae, 72 h, LC50, > 100 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

Hazard Class: 8

UN/NA Number: NA 1760

Packing Group: III

Labels Required: Corrosive

### 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

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