



MATERIAL SAFETY DATA SHEET

Sikagard Heavy Duty Clean & Etch

HMIS

HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	D

1. Product And Company Identification

Supplier

Sika Corporation
201 Polito Ave
Lyndhurst, NJ 07071

Company Contact: EHS Department
Telephone Number: 201-933-8800
FAX Number: 201-933-9379
Web Site: www.sikausa.com

Manufacturer

Sika Canada Inc.
601, Avenue Delmar
Pointe Claire, QC H9R 4A9 Canada

Company Contact: Steve Gosselin
Telephone Number: 514-697-2610

Supplier Emergency Contacts & Phone Number

CHEMTREC: 800-424-9300
INTERNATIONAL: 703-527-3887

Manufacturer Emergency Contacts & Phone Number

CANUTEC: 613-996-6666

Issue Date: 10/21/2005

Product Name: Sikagard Heavy Duty Clean & Etch
CAS Number: Not Established
Chemical Family: Efflorescence cleaner for paver and slabs
MSDS Number: 3526

2. Composition/Information On Ingredients

Ingredient Name	CAS Number	Percent Of Total Weight
NITRIC ACID	7697-37-2	15 - 35
PHOSPHORIC ACID	7664-38-2	15 - 35

3. Hazards Identification

Eye Hazards

Corrosive to living tissue. Causes eye irritation. Causes eye burns.

Skin Hazards

Corrosive to living tissue. Contact with skin can cause irritation or burns. May cause skin sensitization.

Ingestion Hazards

Corrosive to living tissue. Harmful if swallowed.

Inhalation Hazards

Corrosive to living tissue. May cause burns.

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4. First Aid Measures

Eye

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately if irritation develops and persists.

Skin

In case of contact, immediately flush skin with soap and plenty of water for at least 15 minutes. Get medical attention immediately if irritation (redness, rash, blistering) develops and persists.

Ingestion

Dilute with water. Do not induce vomiting. Never give anything by mouth to an unconscious victim. Contact physician.

Inhalation

Remove to fresh air. If breathing has stopped, institute artificial respiration. Consult a physician.

5. Fire Fighting Measures

Flash Point: None °F

Extinguishing Media

In case of fire, use water spray (fog) foam, dry chemical, or CO₂.

Fire Fighting Instructions

In the event of a fire, firefighters should wear full protective clothing and NIOSH-approved self-contained breathing apparatus with a full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Avoid release to the environment. Use appropriate Personal Protective Equipment (PPE). Contain spill and collect with absorbent material and transfer into suitable containers. Do not flush to sewer or allow to enter waterways. Ventilate enclosed area.

7. Handling And Storage

Handling And Storage Precautions

Keep out of reach of children. Store in a cool, dry, well ventilated area. Keep containers tightly closed. Keep from freezing.

Work/Hygienic Practices

Wash thoroughly with soap and water after handling.

8. Exposure Controls/Personal Protection

Engineering Controls

Use of a system of local and/or general exhaust is recommended to keep employee below applicable exposure limits. Refer to the current edition of "Industrial Ventilation: A Manual of Recommended Practice" published by the American Conference of Governmental Industrial Hygienists for information on the design, installation, use, and maintenance of exhaust systems.

Eye/Face Protection

Faceshield over safety glasses or goggles.

Skin Protection

Avoid skin contact. Wear long sleeve shirt and long pants. Chemical resistant gloves.

Respiratory Protection

A respirator protection program that meets 29 CFR 1910.134 requirement must be followed whenever workplace conditions warrant a respirator's use. In areas where the Permissible Exposure Limits are exceeded, use a properly fitted NIOSH-approved respirator.

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8. Exposure Controls/Personal Protection - Continued

Other/General Protection

Wash thoroughly after handling.

Ingredient(s) - Exposure Limits

NITRIC ACID

ACGIH TLV-STEL 4 ppm

ACGIH TLV-TWA 2 ppm

OSHA PEL-TWA 2 ppm

PHOSPHORIC ACID

ACGIH TLV-STEL 3 mg/m³

ACGIH TLV-TWA 1 mg/m³

OSHA PEL-STEL 3 mg/m³

OSHA PEL-TWA 1 mg/m³

9. Physical And Chemical Properties

Appearance

Red Liquid

Odor

Slight lime smell

Chemical Type: Mixture

Physical State: Liquid

Specific Gravity: 1.25 g/cm³

Percent Volatiles: 65-75%

pH Factor: 0.1-0.5

Solubility: Soluble in water

VOC Content - < 0.5 g/L

10. Stability And Reactivity

Stability: STABLE

Hazardous Polymerization: WILL NOT OCCUR

Conditions To Avoid (Stability)

contact with strong alkaline materials and reactive metals.

Incompatible Materials

Excessive heat, sparks, flames. Hydrogen gas may evolve in case of prolonged/extended contact with metals such as aluminum, tin, lead, zinc. Oxidizing material.

Incompatible with: metals, combustible organic materials, alkalis, carbon, carbonates, cyanide, sulphides, diborane, fluoride, phosphines, thiocyanates. For vapor (NO₂, N₂O₄), hydrocarbons, fluorides, formaldehyde. Violent reaction with powdered metal, carbides, hydrogen sulfides and terpentine.

Hazardous Decomposition Products

Nitrogen and phosphorous oxides.

11. Toxicological Information

No Data Available...

12. Ecological Information

No Data Available...

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13. Disposal Considerations

Dispose in accordance with applicable federal, state and local government regulations. Waste generators must determine whether a discarded material is classified as a hazardous waste. USEPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA Information

Waste solutions may meet the RCRA Corrosive characteristic.

14. Transport Information

Proper Shipping Name

Corrosive Liquids, n.o.s. (Acid blend)

Hazard Class

8, PGII

DOT Identification Number

UN1760

DOT Shipping Label

Corrosive

Additional Shipping Paper Description

For individual contractor use Sikagard Heavy Duty Clean & Etch is regulated as per 49 CFR 173.6 (Materials of Trade)

15. Regulatory Information

U.S. Regulatory Information

All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SARA Hazard Classes

Acute Health Hazard

SARA Title III - Section 313 Supplier Notification

This product contains the following toxic chemicals that are subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372.

NITRIC ACID (7697-37-2) 15 - 35 %

This information must be included on all MSDSs that are copied and distributed for this material.

Ingredient(s) - U.S. Regulatory Information

NITRIC ACID

- SARA Title III - EPA Part 355 Extremely Hazardous Substance
- SARA Title III - Section 313 Form "R"/TRI Reportable Chemical
- OSHA Process Safety Management - 1910.119 App A Hazardous Chemical
- SARA - Acute Health Hazard
- SARA - Fire Hazard
- SARA - Reactivity Hazard

Ingredient(s) - State Regulations

NITRIC ACID

- New Jersey - Workplace Hazard
- New Jersey - Environmental Hazard
- New Jersey - Special Hazard
- New Jersey - TCPA Extraordinarily Hazardous Substance

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15. Regulatory Information - Continued

Ingredient(s) - State Regulations - Continued

Pennsylvania - Workplace Hazard
Pennsylvania - Environmental Hazard
California - CalARP Table 3 Regulated Substance
Massachusetts - Hazardous Substance
New York City - Hazardous Substance
PHOSPHORIC ACID
New Jersey - Workplace Hazard
New Jersey - Special Hazard
Pennsylvania - Workplace Hazard
Pennsylvania - Environmental Hazard
Massachusetts - Hazardous Substance
New York City - Hazardous Substance

16. Other Information

HMIS Rating

Health: 3

Fire: 0

Reactivity: 0

PPE: D

Revision/Preparer Information

MSDS Preparer: EHS Department

MSDS Preparer Phone Number: 201-933-8800

This MSDS Supercedes A Previous MSDS Dated: 03/16/2005

Disclaimer

The data in this Material Safety Data Sheet relates only to the specific material herein and does not relate to use in combination with any other material or in any process. The information set forth herein is based on technical data that Sika believes to be reliable as of the date hereof. Since conditions of use are outside our control, we make no warranties, express or implied and assume no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under or a recommendation to infringe any patents.

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