

## Brake Parts Cleaner

SDS Number: 418

Revision Date: 7/9/2015

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### 1 PRODUCT AND COMPANY IDENTIFICATION

**Manufacturer**

Enviro Caddie LLC  
 P.O. Box 803  
 Bridgewater, MA 02324

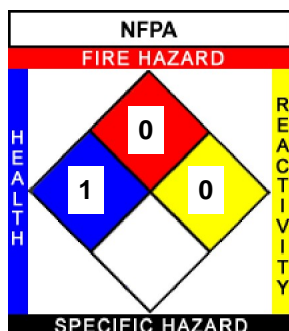
**Contact:** Enviro Caddie LLC  
**Phone:** +1-888-867-1800  
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**Web:** www.envirocaddie.com

**Product Name:** Brake Parts Cleaner  
**Revision Date:** 7/9/2015  
**Version:** 1.00  
**SDS Number:** 418  
**Common Name:** Mild Alkaline Cleaner  
**CAS Number:** MIXTURE  
**Chemical Family:** Aqueous Surfactant Solution  
**Chemical Formula:** \*\*\* PROPRIETARY \*\*\*  
**Product Use:** Non-toxic and non-corrosive cleaner used to remove oil and grease.  
**Emergency Phone:** +1-800 424-9300 (CHEMTREC)

### 2 HAZARDS IDENTIFICATION

NFPA:  
 HMIS III:

Health = 1, Fire = 0, Reactivity = 0  
 H1/F0/PH0



| HMIS III            |     |
|---------------------|-----|
| HEALTH              | □ 1 |
| FLAMMABILITY        | 0   |
| PHYSICAL HAZARDS    | 0   |
| PERSONAL PROTECTION |     |

| PERSONAL PROTECTION INDEX |  |                        |   |
|---------------------------|--|------------------------|---|
| A                         |  | G                      |   |
| B                         |  | H                      |   |
| C                         |  | I                      |   |
| D                         |  | J                      |   |
| E                         |  | K                      |   |
| F                         |  | X                      | Consult your supervisor or S.O.P. for "SPECIAL" handling directions |
| A                         |  | n                      |   |
| O                         |  | p                      |   |
| q                         |  | r                      |   |
| s                         |  | Additional Information |   |
| t                         |  | u                      |   |
| w                         |  | y                      |   |
| z                         |  |                        |   |

GHS Signal Word:  
 WARNING

GHS Classifications:  
 Health, Serious Eye Damage/Eye Irritation, 2 B

GHS Phrases:  
 H320 - Causes eye irritation

GHS Precautionary Statements:

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- P262 - Do not get in eyes, on skin, or on clothing.
- P264 - Wash skin thoroughly after handling.
- P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
- P302+352 - IF ON SKIN: Wash with soap and water.
- P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P337 - If eye irritation persists: Get medical advice/attention.
- P501 - Dispose of contents/container to an approved waste disposal plant.

**3 COMPOSITION/INFORMATION ON INGREDIENTS**

**Ingredients:**

| Cas #      | Percentage | Chemical Name  |
|------------|------------|--|
| N/A        | >92.5%     | Proprietary, non-hazardous, non-regulated                      |
| 6834-92-0  | <1.7%      | Silicic acid (H <sub>2</sub> SiO <sub>3</sub> ), disodium salt |
| 111-76-2   | <1.7%      | 2-Butoxyethanol  |
| 68439-46-3 | <1.7%      | Alcohols, C9-11, ethoxylated                                   |

**4 FIRST AID MEASURES**

- Inhalation:** Give oxygen or artificial respiration if needed. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.
- Skin Contact:** Promptly flush skin with water for several minutes to ensure all chemical is removed. If reddening develops and/or persists, obtain medical attention.
- Eye Contact:** Flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. If irritation persists, obtain medical attention.
- Ingestion:** Product has a low order of oral toxicity. As a precaution, rinse mouth with water and give 3-4 glasses of water or milk to dilute stomach contents. Do NOT induce vomiting. If vomiting occurs, give more water or milk. Never give anything by mouth to an unconscious person. If symptoms develop and/or persist, obtain medical attention.

**Most important symptoms and effects, both acute and delayed:**

The most important known symptoms and effects are described in the labelling (see Section 2) and/or Section 11.

**Indication of any immediate medical attention and special treatment needed:**

No data available.

**5 FIRE FIGHTING MEASURES**

- Flammability:** No data available
- Flash Point:** DNA
- Flash Point Method:** DNA
- Burning Rate:** No data available
- Autoignition Temp:** No data available
- LEL:** DNA
- UEL:** DNA

**Extinguishing Media:**

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Water Spray  
 Carbon Dioxide  
 Alcohol-Resistant Foam  
 Dry Chemical

**Special Hazards Arising From the Substance or Mixture:**

Aldehydes  
 Carbon Oxides  
 Nitrogen Oxides (NOx)  
 Silicon Oxides  
 Sodium Oxides

**Advice for Firefighters:**

Firefighters should wear full-face, positive-pressure respirators.

**Further Information:**

If incinerated, may release toxic fumes.  
 Use water spray to cool unopened containers.  
 See Section 7 for more information on safe handling.  
 See Section 8 for more information on personal protection equipment.  
 See Section 13 for disposal information.

|          |                                    |
|----------|------------------------------------|
| <b>6</b> | <b>ACCIDENTAL RELEASE MEASURES</b> |
|----------|------------------------------------|

**Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment, as required.  
 Keep from contacting skin or eyes.  
 Avoid breathing vapors, mist or gas.  
 Ensure adequate ventilation.  
 Evacuate personnel to safe areas.

**Environmental precautions:**

Prevent further release (leakage/spillage) if safe to do so.  
 Do not allow product to enter drains.  
 Do not allow to drain to environment.

**Methods and materials for containments and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, universal binders, sawdust).  
 Neutralizing agent like Sodium Bicarbonate may also be used to absorb/neutralize any spilled material.  
 Place contaminated material into suitable, closed containers for disposal.  
 Spill may also be diluted with equal volume of water and absorbed (as above) or collect with an electrically-protected vacuum cleaner or by wet-brushing. Collected waste should then be placed in container for disposal.  
 Dispose of contaminated material according to Section 13.

**Reference to other sections:**

Comply with federal, state and local regulations on reporting spills.  
 See Section 7 for information on safe handling.  
 See Section 8 for information on personal protection equipment.  
 See Section 13 for information on proper disposal.

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**HANDLING AND STORAGE**

**Handling Precautions:**      Avoid breathing vapors or mists.  
    Avoid contact with eyes, skin, or clothing.  
    Keep containers closed when not in use.  
    Do not expose containers to open flame, excessive heat, or direct sunlight.  
    Do not puncture or drop containers.  
    Handle with care and avoid spillage on the floor.  
    Keep material out of reach of children.  
    Keep material away from incompatible materials.  
    Wash thoroughly after handling.  
    Ensure adequate ventilation.

**Storage Requirements:**      Keep away from heat, sparks and flames.  
    Do not store in direct sunlight.  
    Store away from strong acids, strong bases, strong reducing agents, strong oxidizing agents, organic materials, water, reactive metals (Zinc & Aluminum) and their alloys (Brass), Alkali metals (Lithium, Sodium, Potassium, etc.), Tin & Tin oxides and Lead.

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**EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Controls:**      Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

**Personal Protective Equip:**      Eye/face protection:  
    When using material use personal protective equipment as needed. All safety equipment should be tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

   Skin protection:  
    Not required when used as directed. If desired, handle with gloves made from Neoprene, Nitrile or Buna rubber. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact. Dispose of contaminated gloves according to applicable laws and laboratory practices.

   Body Protection:  
    Not required when used as directed. If desired, the type of protective equipment should be selected based on concentration amount and conditions of use of this material.

   Respiratory protection:  
    Not required when used as directed.

   Control of environmental exposure:  
    Prevent leakage or spillage if safe to do so.

**Components with workplace control parameters:**

Contains no substances with occupational exposure limit values.

**Biological occupational exposure limits:**

Contains no substances with biological occupational exposure limits values.

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### 9 PHYSICAL AND CHEMICAL PROPERTIES

|                               |                                 |                              |                           |
|-------------------------------|---------------------------------|------------------------------|---------------------------|
| <b>Appearance:</b>            | Clear, colorless liquid         | <b>Odor:</b>                 | Mild                      |
| <b>Physical State:</b>        | Liquid                          | <b>Molecular Formula:</b>    | MIXTURE                   |
| <b>Odor Threshold:</b>        | Not determined                  | <b>Solubility:</b>           | 100%                      |
| <b>Particle Size:</b>         | Not applicable                  | <b>Softening Point:</b>      | Not determined            |
| <b>Spec Grav./Density:</b>    | ~1.070 g/ml (8.40 lbs/gal)      | <b>Percent Volatile:</b>     | > 98.3%                   |
| <b>Viscosity:</b>             | Not determined                  | <b>Heat Value:</b>           | Not determined            |
| <b>Sat. Vap. Conc.:</b>       | Not determined                  | <b>Freezing/Melting Pt.:</b> | Not determined            |
| <b>Boiling Point:</b>         | > 93.3 °C (200.0 °F)            | <b>Flash Point:</b>          | DNA                       |
| <b>Flammability:</b>          | (solid, gas): Not determined    | <b>Octanol:</b>              | Not determined            |
| <b>Partition Coefficient:</b> | Not determined                  | <b>Vapor Density:</b>        | (air = 1): Not determined |
| <b>Vapor Pressure:</b>        | (mm Hg @ 20 °C): Not determined | <b>VOC:</b>                  | < 1.7%                    |
| <b>pH:</b>                    | @ 100%: 11.2                    | <b>Bulk Density:</b>         | Not determined            |
| <b>Evap. Rate:</b>            | Not determined                  | <b>Auto-Ignition Temp:</b>   | Not determined            |
| <b>Molecular weight:</b>      | MIXTURE                         | <b>UFL/LFL:</b>              | DNA                       |
| <b>Decomp Temp:</b>           | Not determined                  |                              |                           |

### 10 STABILITY AND REACTIVITY

|                                  |   |
|----------------------------------|---|
| <b>Stability:</b>                | Product is stable under normal conditions.  |
| <b>Conditions to Avoid:</b>      | Incompatibilities, flames, ignition sources.  |
| <b>Materials to Avoid:</b>       | Strong acids, strong bases, strong reducing agents, strong oxidizing agents, organic materials, water, reactive metals (Zinc & Aluminum) and their alloys (Brass), Alkali metals (Lithium, Sodium, Potassium, etc.), Tin & Tin oxides and Lead. |
| <b>Hazardous Decomposition:</b>  | Aldehydes, Carbon Oxides, Nitrogen Oxides (NOx), Silicon Oxides and Sodium Oxides.  |
| <b>Hazardous Polymerization:</b> | Will not occur.   |

### 11 TOXICOLOGICAL INFORMATION

**Component(s):** Silicic acid (H<sub>2</sub>SiO<sub>3</sub>), disodium salt; 2-Butoxyethanol; Alcohols, C9-11, ethoxylated  
**CAS No(s):** 6834-92-0; 111-76-2; 68439-46-3

**Acute Toxicity:**

LD50 Oral - Rat: 470 mg/kg  
 LD50 Dermal - Rabbit: 220 mg/kg  
 LD50 Intraperitoneal - Rat: 220 mg/kg  
 LD50 Intravenous - Rat: 307 mg/kg  
 LC50 Inhalation - Rat: 450 ppm (4 h)

**Skin Corrosion/Irritation:** Rabbit skin - Corrosive (4 h)

**Serious Eye Damage/Eye Irritation:** Rabbit eyes - Moderate eye irritation (24 h)

**Respiratory or Skin Sensitation:** Mouse skin - Does not cause skin sensitization.

**Germ Cell Mutagenicity:** No data available.

**Carcinogenicity:**

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This product is or contains a component that is not classifiable as to its carcinogenicity to humans based on its IARC, ACGIH, NTP or OSHA classification (2-Butoxyethanol).

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (2-Butoxyethanol).

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive Toxicity:** Overexposure may cause reproductive disorder(s) based on tests with laboratory animals. Reproductive Toxicity Oral - Rat: Effects on newborn (Stillbirth, Effects on newborn).

**Specific Target Organ Toxicity - Single Exposure:** Respiratory system - May cause respiratory irritation.

**Specific Target Organ Toxicity - Repeated Exposure:** No data available.

**Aspiration Hazard:** No data available.

**Additional Information:**

Component: Silicic acid (H<sub>2</sub>SiO<sub>3</sub>), disodium salt; RTECS: VV9287500

Component: 2-Butoxyethanol; RTECS: KJ8575000

Component: Alcohols, C9-11, ethoxylated; RTECS: AZ8100000

Toxicity data as it is listed in this section applies to pure raw material components only. At the low concentration of each material found in this product, the product itself presents very low hazards, both chronic or acute, to the end user.

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## ECOLOGICAL INFORMATION

**Component(s):** Silicic acid (H<sub>2</sub>SiO<sub>3</sub>), disodium salt; 2-Butoxyethanol; Alcohols, C9-11, ethoxylated

**CAS No(s):** 6834-92-0; 111-76-2; 68439-46-3

**Toxicity:***Toxicity to fish:*

Semi-static LC50 - Danio rerio (Zebra Fish): 210 mg/l (96 h)

LC50 - Other Fish: 220 mg/l (96 h)

*Toxicity to daphnia and other aquatic invertebrates:*

EC50 - Daphnia magna (Water Flea): 1,815 mg/l (48 h)

*Toxicity to algae:*

EC50 - Algae: 10 - 100 mg/l (72 h)

**Persistence and Degradability:**

No data available.

**Bioaccumulative potential:**

No data available.

**Mobility in Soil:**

No data available.

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**Results of PBT and vPvB assessment:**

Not required/conducted.

**Other Adverse Effects:**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Not expected to be harmful to aquatic life.

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**DISPOSAL CONSIDERATIONS**

Product: Hazardous wastes shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution, release into the environment or damage to people and animals. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated Packaging: Dispose of as unused product.

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**TRANSPORT INFORMATION**

**DOT (US)**

Non-regulated material, liquid

**IMDG**

Non-regulated material, liquid

**IATA**

Non-regulated material, liquid

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**REGULATORY INFORMATION**

COMPONENT / (CAS/PERC) / CODES

\*Silicic acid (H<sub>2</sub>SiO<sub>3</sub>), disodium salt (6834920 <2.5%) NJHS, PA, SARA311/312, TSCA

\*2-Butoxyethanol (111762 <2.5%) HAP, MASS, NJHS, OSHAWAC, PA, SARA313, TSCA, TXAIR

\*Alcohols, C9-11, ethoxylated (68439463 <2.5%) SARA311/312, TSCA

REGULATORY KEY DESCRIPTIONS

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 NJHS = New Jersey Right to Know Hazardous Substances  
 PA = PA Right-To-Know List of Hazardous Substances  
 SARA311/312 = SARA 311/312 Toxic Chemicals  
 SARA313 = SARA 313 Title III Toxic Chemicals  
 TSCA = Toxic Substances Control Act  
 HAP = Hazardous Air Pollutants  
 MASS = MA Massachusetts Hazardous Substances List  
 OSHAWAC = OSHA workplace Air Contaminants  
 TXAIR = TX Air Contaminants with Health Effects Screening Level

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**16****OTHER INFORMATION****Disclaimer:**

The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material in any process. The information set forth herein is furnished free of charge and is based on technical data that Enviro Caddie LLC believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside of Enviro Caddie LLC's control, Enviro Caddie LLC makes no warranties, expressed or implied, and assumes 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 upon, any patents.

**Preparation Information:**

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