

## Breakaway

### SECTION 1. IDENTIFICATION

|                            |  |
|----------------------------|--|
| <b>Product Identifier</b>  | Breakaway  |
| <b>Product Family</b>      | Degreaser  |
| <b>Manufacturer</b>        | Easy Way, 10 Housers Lane, Woodstock, Ontario, N4S 7W8, 1-800-265-9205, www.easyway.ca |
| <b>Emergency Phone No.</b> | CANUTEC , 613-996-6666, 24 Hours<br>CHEMTREC, 1-800-424-9300                           |
| <b>SDS No.</b>             | 0190   |

### SECTION 2. HAZARD IDENTIFICATION

#### Classification

Skin irritation - Category 2; Eye irritation - Category 2A

#### Label Elements



#### Warning

Causes skin and eye irritation.

Wash thoroughly after handling.

Wear eye protection/face protection.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If eye irritation persists: Get medical advice/attention.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name                                      | CAS No.    | %   | Other Identifiers |
|--|------------|-----|-------------------|
| Sodium Metasilicate                                | 6834-92-0  | 1-5 |                   |
| Tetrapotassium pyrophosphate                       | 7320-34-5  | 1-5 |                   |
| Ethoxylated Alcohol, linear (non-ionic surfactant) | 68439-46-3 | 1-5 |                   |
| Alkyl dimethyl benzyl ammonium chloride (C12-16)   | 68424-85-1 | 1-3 |                   |
| 2-Butoxyethanol                                    | 111-76-2   | 1-3 |                   |

### SECTION 4. FIRST-AID MEASURES

#### First-aid Measures

##### Inhalation

Move to fresh air. Get medical advice or attention if you feel unwell or are concerned.

##### Skin Contact

Rinse skin with cool water. If skin irritation or a rash occurs, get medical advice or attention.

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### Eye Contact

Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

### Ingestion

Do not induce vomiting. Rinse mouth with water. Get medical advice or attention if you feel unwell or are concerned.

### Most Important Symptoms and Effects, Acute and Delayed

In rare cases, may cause asthma or an asthma-like reaction.

### Immediate Medical Attention and Special Treatment

#### Medical Conditions Aggravated by Exposure

Skin conditions, dermatitis.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

Carbon dioxide, dry chemical powder, appropriate foam, water spray or fog.

### Specific Hazards Arising from the Product

Very toxic carbon monoxide, carbon dioxide; corrosive, oxidizing nitrogen oxides.

### Special Protective Equipment and Precautions for Fire-fighters

No special precautions are necessary.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

### Environmental Precautions

It is good practice to prevent releases into the environment.

### Methods and Materials for Containment and Cleaning Up

Dike spilled product to prevent runoff. Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal.

## SECTION 7. HANDLING AND STORAGE

### Precautions for Safe Handling

General hygiene considerations: do not get in eyes, on skin or on clothing.

### Conditions for Safe Storage

Separate from incompatible materials (see Section 10: Stability and Reactivity). Comply with all applicable health and safety regulations, fire and building codes.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

| Chemical Name                | ACGIH® TLV®          |          | OSHA PEL        |         |
|------------------------------|----------------------|----------|-----------------|---------|
|                              | TWA                  | STEL [C] | TWA             | Ceiling |
| Sodium Metasilicate          | 10 mg/m <sup>3</sup> |          |                 |         |
| Tetrapotassium pyrophosphate | Not established      |          | Not established |         |
| 2-Butoxyethanol              | 20 ppm A3            |          | 25 ppm Skin     |         |

### Appropriate Engineering Controls

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General ventilation is usually adequate. Provide eyewash in work area, if contact or splash hazard exists.

### Individual Protection Measures

#### Eye/Face Protection

Not required but it is good practice to wear safety glasses or chemical safety goggles.

#### Skin Protection

Not required, if used as directed.

Wear chemical protective clothing e.g. gloves, aprons, boots.

Nitrile rubber, butyl rubber.

#### Respiratory Protection

Not normally required if product is used as directed.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

|                              |                                     |
|------------------------------|-------------------------------------|
| Appearance                   | Clear red - violet liquid.          |
| pH                           | 12.65 - 12.95 (100% solution)       |
| Flash Point                  | Not available                       |
| Evaporation Rate             | Not available                       |
| Relative Density (water = 1) | 1.07                                |
| Solubility                   | Soluble in all proportions in water |

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive.

### Chemical Stability

Normally stable.

### Conditions to Avoid

Prolonged exposure to high temperatures. Contamination.

### Incompatible Materials

Strong acids (e.g. hydrochloric acid), strong oxidizing agents (e.g. perchloric acid).

### Hazardous Decomposition Products

Very toxic carbon monoxide, carbon dioxide; corrosive, oxidizing nitrogen oxides.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

| Chemical Name                                      | LC50                           | LD50 (oral)          | LD50 (dermal)          |
|--|--------------------------------|----------------------|------------------------|
| Sodium Metasilicate                                |                                | 1153 mg/kg           |                        |
| Tetrapotassium pyrophosphate                       |                                | > 1000 mg/kg (rat)   | > 4640 mg/kg (rabbit)  |
| Ethoxylated Alcohol, linear (non-ionic surfactant) | 5 mg/L (rat) (4-hour exposure) | > 2000 mg/kg (rat)   | > 2000 mg/kg (rabbit)  |
| Alkyl dimethyl benzyl ammonium chloride (C12-16)   | 0.054-0.51 mg/L                | 426 mg/kg (rat)      | > 2000 mg/kg (rabbit)  |
| 2-Butoxyethanol                                    | 700 ppm (mouse)                | 450-3000 mg/kg (rat) | 400-510 mg/kg (rabbit) |

LC50: No information was located.

### Skin Corrosion/Irritation

Animal tests show moderate or severe irritation following prolonged exposure (24 hours).

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### Serious Eye Damage/Irritation

Causes serious eye irritation based on skin irritation information.

### STOT (Specific Target Organ Toxicity) - Single Exposure

#### Inhalation

May be harmful  
nose and throat irritation.

#### Skin Absorption

May be harmful.

#### Ingestion

May cause Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

### STOT (Specific Target Organ Toxicity) - Repeated Exposure

At high concentrations crystals or stones in the kidneys. (2-Butoxyethanol)

### Respiratory and/or Skin Sensitization

Can cause an allergic reaction (skin sensitization) based on animal tests.

### Carcinogenicity

| Chemical Name                                      | IARC       | ACGIH®         | NTP        | OSHA       |
|--|------------|----------------|------------|------------|
| Sodium Metasilicate                                | Not Listed | Not designated | Not Listed | Not Listed |
| Tetrapotassium pyrophosphate                       | Not Listed | Not designated | Not Listed | Not Listed |
| Ethoxylated Alcohol, linear (non-ionic surfactant) | Not Listed | Not designated | Not Listed | Not Listed |
| Alkyl dimethyl benzyl ammonium chloride (C12-16)   | Not Listed | Not designated | Not Listed | Not Listed |
| 2-Butoxyethanol                                    | Group 3    | A3             | Not Listed | Not Listed |

Group 3 – Not classifiable as to its carcinogenicity to humans.

A3 – Confirmed animal carcinogen.

### Reproductive Toxicity

#### Development of Offspring

Animal studies show effects on the offspring. (2-Butoxyethanol)

### Germ Cell Mutagenicity

Not known to be a mutagen.

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Acute Aquatic Toxicity

| Chemical Name                                      | LC50 Fish   | EC50 Crustacea                                  | ErC50 Algae  |
|--|---|---|--|
| Sodium Metasilicate                                | 210 mg/L (Brachydanio rerio (zebra fish); 96-hour; semi-static) |   |  |
| Ethoxylated Alcohol, linear (non-ionic surfactant) | 5-10 mg/L (96-hour)   | 5-10 mg/L (Daphnia magna (water flea); 48-hour) | 10-100 mg/L (72-hour)                                |
| Alkyl dimethyl benzyl ammonium chloride (C12-16)   | .0058-.016 mg/L (Daphnia magna (water flea); 48-hour)           |   | .063 mg/L (Scenedesmus subspicatus (algae); 96-hour) |

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|                 |  |  |  |
|-----------------|--|--|--|
| 2-Butoxyethanol | 1000 mg/L (Oncorhynchus mykiss (rainbow trout); 96-hour; static) | 210 mg/L (Daphnia magna (water flea); fresh water; static) |  |
|-----------------|--|--|--|

### Persistence and Degradability

Considered not to degrade rapidly, because no data regarding degradability are available. (Tetrapotassium pyrophosphate)

### Bioaccumulative Potential

This product and its degradation products are not known to bioaccumulate.

### Mobility in Soil

If released into the environment, this product is expected to move rapidly through the soil, based on physical and chemical properties.

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal Methods

Dispose of contents and container in accordance with local, regional, national and international regulations. Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

## SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations.

**Special Precautions** Not applicable

**Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable

## SECTION 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations

#### Canada

#### WHMIS 1988 Classification



Class D2B

D2B - Toxic (Skin irritant; Eye irritant)

#### Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

All ingredients are listed on the DSL/NDSL.

#### CEPA - National Pollutant Release Inventory (NPRI)

Part 1A, Part 5.

#### USA

#### Toxic Substances Control Act (TSCA) Section 8(b)

All ingredients are listed on the TSCA Inventory.

## SECTION 16. OTHER INFORMATION

|                            |                    |                         |                        |
|----------------------------|--------------------|-------------------------|------------------------|
| <b>NFPA Rating</b>         | <b>Health - 2</b>  | <b>Flammability - 0</b> | <b>Instability - 0</b> |
| <b>SDS Prepared By</b>     | Easy Way           |                         |                        |
| <b>Phone No.</b>           | 1-800-265-9205     |                         |                        |
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**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information, and belief at the date of its publication. Such information is only given as a guidance to help the user handle, use, process, store, transport, dispose, and release the product in satisfactory safety conditions and is not to be considered as a warranty or quality specification. The information only relates to the designated specific product and may not be applicable if such product is used in combination with other materials or in any other manufacturing process, unless otherwise specifically indicated. It does not release the user from ensuring he is in conformity with all regulations linked to its activity.

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