

Breakaway

SECTION 1. IDENTIFICATION

Product Identifier Breakaway
Product Family Degreaser
Manufacturer Easy Way, 10 Housers Lane, Woodstock, Ontario, N4S 7V9, 1-800-265-9205 / 519-537-7711, www.easyway.ca
Emergency Phone No. CANUTEC , 613-996-6666, 24 Hours
CHEMTREC, 1-800-424-9300
SDS No. 0190
Date of Preparation May 04, 2018

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	Other Names
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

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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.

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

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Sodium Metasilicate	10 mg/m3			
Tetrapotassium pyrophosphate	Not established		Not established	
2-Butoxyethanol	20 ppm A3		25 ppm Skin	

Appropriate Engineering Controls

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)

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2-Butoxyethanol	700 ppm (mouse)	450-3000 mg/kg (rat)	400-510 mg/kg (rabbit)
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LC50: No information was located.

Skin Corrosion/Irritation

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

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)

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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)
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

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

NFPA Rating	Health - 2	Flammability - 0	Instability - 0
SDS Prepared By	Easy Way		
Phone No.	1-800-265-9205		
Date of Preparation	May 04, 2018		
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		

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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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