

EW 256

SECTION 1. IDENTIFICATION

Product Identifier EW 256
Product Family Disinfectant
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
SDS No. 0459

SECTION 2. HAZARD IDENTIFICATION

Classification

Skin corrosion - Category 1; Serious eye damage - Category 1



SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
Alcohols, C12-15, ethoxylated, liquids	68131-39-5	5-10		
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride	85409-23-0	4.5		
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	68391-01-5	4.5		
Sodium carbonate	497-19-8	3-7		
Tetrasodium ethylenediaminetetraacetate	64-02-8	1-5		

Notes

The actual concentration is withheld as a trade secret.

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove to fresh air. If symptoms persist, seek medical attention.

Skin Contact

Immediately flush affected area with plenty of water while removing contaminated clothing. Wash contaminated

clothing

before reuse. Contact a doctor. If irritation persists, get medical attention.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for at least 30 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

Ingestion

Rinse mouth with water. Do not induce vomiting. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again. Rinse again with water. Immediately call a Poison Centre or medical doctor.

First-aid Comments

No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Most Important Symptoms and Effects, Acute and Delayed

Symptoms may develop hours after exposure.

Immediate Medical Attention and Special Treatment

Target Organs

Blood, eyes, liver, respiratory system, skin.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon Dioxide, dry chemical powder or appropriate form.

Specific Hazards Arising from the Product

In a fire, the following hazardous materials may be generated: very toxic carbon monoxide, carbon dioxide; corrosive, oxidizing nitrogen oxides; corrosive chlorine.

Special Protective Equipment and Precautions for Fire-fighters

Firefighters should wear self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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. Contact emergency services and manufacturer/supplier for advice.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not get in eyes, on skin or on clothing. Prevent accidental contact with incompatible chemicals. Keep containers tightly closed when not in use or empty.

Conditions for Safe Storage

Store at temperatures not exceeding: 49°C (120°F) separate from incompatible materials.

Store in the original, labelled, shipping container.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Chemical Name	ACGIH® TLV®		OSHA PEL		AIHA® WEEL®	
	TWA	STEL [C]	TWA	Ceiling	8-hr TWA	Short-term TWA [C]
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride		1000 ppm	1900 mg/m3			
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides		1000 ppm	1900 mg/m3			

The hazard potential of this product is relatively low.

Appropriate Engineering Controls

General ventilation is usually adequate.

Provide eye wash in work area, if contact or splash hazard exists.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

Wear suitable protective clothing. Wear protective gloves.

Nitrile rubber, natural rubber, polyvinyl alcohol.

Respiratory Protection

Not normally required if product is used as directed.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear liquid.
Odour	Low
Odour Threshold	Not available
pH	12
Flammability (solid, gas)	Not applicable

SECTION 10. STABILITY AND REACTIVITY

Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

High temperatures. Contact with incompatible materials.

Incompatible Materials

Strong oxidizing agents.

Aluminum alloys.

Hazardous Decomposition Products

Carbon Oxides (CO, CO₂). Sodium Oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Water		> 90 mL/kg (rat)	
Sodium carbonate	1150 mg/m ³ (male rat) (4-hour exposure) (aerosol)	2800 mg/kg (rat)	> 2000 mg/kg (rabbit)
Alcohols, C12-15, ethoxylated, liquids		1650-2000 mg/kg (rat)	> 2000 mg/kg (rabbit)
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride ethylbenzyl ammonium chloride		344 mg/kg (rat)	> 2000 mg/kg (rabbit)
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides		344 mg/kg (rat)	> 2000 mg/kg (rabbit)

Skin Corrosion/Irritation

There is limited evidence of moderate or severe irritation. Symptoms include pain, redness, and swelling.

Serious Eye Damage/Irritation

Causes serious eye irritation based on skin irritation information. There is limited evidence of serious eye damage.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May be harmful; nose and throat irritation.

Skin Absorption

May be harmful.

Ingestion

Harmful if swallowed. Irritation to mouth, throat and stomach.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

May cause damage to organs

Blood. Eyes. Liver. Respiratory system. Skin.

Respiratory and/or Skin Sensitization

Preexisting disorders may be aggravated by exposure to this material; skin, lung (asthma-like conditions).

Carcinogenicity

Chemical Name	IARC	ACGIH®	NTP	OSHA
Sodium carbonate	Not Listed	Not Listed	Not Listed	Not Listed
Alcohols, C12-15, ethoxylated, liquids	Not Listed		Not Listed	Not Listed
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride ethylbenzyl ammonium chloride	Not Listed	Not Listed	Not Listed	Not Listed
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	Not Listed	Not Listed	Not Listed	Not Listed

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Not known to cause cancer.

Reproductive Toxicity

Development of Offspring

Animal studies show effects on sexual function and/or fertility.

Germ Cell Mutagenicity

Animal studies show evidence of mutagenicity in reproductive cells (sperm or eggs).

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Harmful to aquatic life.

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Sodium carbonate	310-1220 mg/L (Pimephales promelas (fathead minnow); 96-hour; static)	242000 ug/L (Skeletonema costatum (diatom); 96-hour; fresh water; static)		Not available
Alcohols, C12-15, ethoxylated, liquids	5-10 mg/L (96-hour)	5-10 mg/L (Daphnia magna (water flea); 48-hour)		10-100 mg/L (Pseudokirchneriella subcapitata (algae); 72-hour)
Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride ethylbenzyl ammonium chloride	0.86 ppm (Fish; 96-hour)	0.0058-0.016 mg/L (Daphnia magna (water flea); 48-hour)		
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	0.86 ppm (Fish; 96-hour)	0.0058-0.016 mg/L (Daphnia magna (water flea); 48-hour)		

Persistence and Degradability

Does not degrade rapidly based on half-life measurements.

Bioaccumulative Potential

This product or its degradation products have the potential to bioaccumulate based on the fish bioconcentration factor (BCF).

Mobility in Soil

If released into the environment, this product is not expected to move 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.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations.

Special Precautions Not applicable

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

Not applicable

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SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

WHMIS Exempt - registered product - (DIN 02488558).

Canada

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

Listed on the DSL.

USA

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

Listed on the TSCA Inventory.

SECTION 16. OTHER INFORMATION

NFPA Rating

Health - 3 Flammability - 0 Instability - 0

SDS Prepared By

Technical Department

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Disclaimer

Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this form. If user requires independent information on ingredients in this or any other material, we recommend contact with the Canadian Centre for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8466) or CSST in Montreal, Quebec (514-873-3990).

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