



Safety Data Sheet

G-155 Fresh-Ette-Lemon

SECTION 1. IDENTIFICATION

Product Identifier	G-155 Fresh-Ette-Lemon
Other Means of Identification	G-155
Product Family	Disinfectant
Recommended Use	Cleaner and Disinfectant.
Restrictions on Use	None known.
Manufacturer	Griffin Brothers Chemical, 3033 Industrial Way NE, Salem, Oregon, 97303, 800-456-4743
Emergency Phone No.	CHEMTREC, 800-424-9300, Available 24 hours.
SDS No.	0049

SECTION 2. HAZARD IDENTIFICATION

Classified according to the US Hazard Communication Standard (HCS 2012).

Classification

Skin corrosion - Category 1C; Eye irritation - Category 2B; Aquatic hazard (Acute) - Category 1

Label Elements



Danger

Causes skin and eye irritation.

Very toxic to aquatic life.

Avoid release to the environment.

Wash hands and skin thoroughly after handling.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Other Hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS No.	%	Other Identifiers
Diethylene glycol monobutyl ether	112-34-5	5 to 15	
Tetrasodium ethylenediaminetetraacetate	64-02-8	2 to 6	
Alkyl (68% C12, 32% C14) Dimethyl Ethylbenzyl Ammonium Chloride	68956-79-6	< 1	
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	68391-01-5	< 1	

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SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove source of exposure or move to fresh air.

Skin Contact

Avoid direct contact. Wear chemical protective clothing if necessary.

Eye Contact

Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for 15-20 minutes, while holding the eyelid(s) open.

Ingestion

Immediately call a Poison Centre or doctor.

First-aid Comments

Immediately contact a doctor or emergency response staff.

Most Important Symptoms and Effects, Acute and Delayed

None known.

Immediate Medical Attention and Special Treatment

Target Organs

Skin, eyes.

Medical Conditions Aggravated by Exposure

None known.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

None known.

Special Protective Equipment and Precautions for Fire-fighters

Fight fire from a safe distance or a protected location.

See Skin Protection in Section 8 (Exposure Controls/Personal Protection) for advice on suitable chemical protective materials.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Increase ventilation to area or move leaking container to a well-ventilated and secure area.

Environmental Precautions

Do not allow into any sewer, on the ground or into any waterway.

Methods and Materials for Containment and Cleaning Up

Place used absorbent into suitable, covered, labelled containers for disposal.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

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When handling concentrated product: do not breathe in this product. Prevent skin contact. Do not get in eyes. Only use where there is adequate ventilation.

Conditions for Safe Storage

Store in an area that is: well-ventilated.

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]
Diethylene glycol monobutyl ether	10 ppm					

Keep container tightly closed. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Use only outdoors in well-ventilated area. Avoid release to the environment. Keep container tightly closed. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not breathe mist or vapour. Wash thoroughly after handling. Do not eat, drink, or smoke when using this product. Avoid release to the environment.

Appropriate Engineering Controls

Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles.

Skin Protection

If engineering controls and work practices are not effective in controlling exposure to this material, then wear suitable personal protective equipment.

Respiratory Protection

If engineering controls and work practices are not effective in controlling inhalation exposure then wear suitable personal protective equipment including approved respiratory protection.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear yellow liquid.
Odour	Lemon Scent
Odour Threshold	Not available
pH	Not available
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	~ 212 °F
Flash Point	Not applicable
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	~ 1
Solubility	Very soluble in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available

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Decomposition Temperature Not available
Viscosity Not available (kinematic); Not available (dynamic)
Other Information
Physical State Liquid

SECTION 10. STABILITY AND REACTIVITY

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

None known.

Incompatible Materials

None known.

Hazardous Decomposition Products

None known.

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation; skin contact; eye contact.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Diethylene glycol monobutyl ether		~ 6560 mg/kg (rat)	~ 2764 mg/kg (rabbit)
Alkyl (68% C12, 32% C14) Dimethyl Ethylbenzyl Ammonium Chloride	~ 0.51 mg/L (rat)	~ 344 mg/kg (rat)	> 2000 mg/L (rabbit)
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	~ 0.51 mg/L (rat)	~ 344 mg/kg (rat)	> 2000 mg/L (rabbit)

LC50: No information was located.

LD50 (oral): No information was located.

LD50 (dermal): No information was located.

Skin Corrosion/Irritation

There is limited evidence of mild irritation.

Serious Eye Damage/Irritation

Human experience and animal tests show mild irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

No information was located.

Skin Absorption

No information was located.

Ingestion

Harmful if swallowed.

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Aspiration Hazard

No information was located.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

May cause damage to organs.

Respiratory and/or Skin Sensitization

Not known to be a respiratory sensitizer. Not known to be a skin sensitizer.

Carcinogenicity

Not known to cause cancer.

Reproductive Toxicity**Development of Offspring**

Not known to harm the unborn child.

Sexual Function and Fertility

Not known to cause effects on sexual function or fertility.

Effects on or via Lactation

Not known to cause effects on or via lactation.

Germ Cell Mutagenicity

Not known to be a mutagen.

Interactive Effects

No information was located.

SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity**

Harmful, with long lasting effects to aquatic life.

Acute Aquatic Toxicity

Chemical Name	LC50 Fish	EC50 Crustacea	ErC50 Aquatic Plants	ErC50 Algae
Alkyl (68% C12, 32% C14) Dimethyl Ethylbenzyl Ammonium Chloride	0.86 mg/L (Oncorhynchus mykiss (rainbow trout); 96-hour)	~ 0.0058 mg/L (Pseudokirchneriella subcapitata (algae); 96-hour)		~ 0.063 mg/L (Pseudokirchneriella subcapitata (algae); 96-hour)
Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	0.86 mg/L (Oncorhynchus mykiss (rainbow trout); 96-hour)	~ 0.0058 mg/L (Pseudokirchneriella subcapitata (algae); 96-hour)		~ 0.063 mg/L (Pseudokirchneriella subcapitata (algae); 96-hour)

Persistence and Degradability

No ingredient of this product or its degradation products is known to be highly persistent.

Bioaccumulative Potential

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

Mobility in Soil

No information was located.

Other Adverse Effects

There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS**Disposal Methods**

Dispose of contents and container in accordance with local, regional, national and international regulations.

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SECTION 14. TRANSPORT INFORMATION

Not regulated under US DOT Regulations.

Environmental Hazards Marine Pollutant

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

USA

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

All ingredients are listed on the TSCA Inventory.

SECTION 16. OTHER INFORMATION

SDS Prepared By Ryan Kelly

Date of Preparation March 17, 2016

Date of Last Revision March 17, 2016

Revision Indicators The following SDS content was changed on March 17, 2016:

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