



Safety Data Sheet

Cleaner Disinfectant G-346

SECTION 1. IDENTIFICATION

Product Identifier	Cleaner Disinfectant G-346
Other Means of Identification	G-346
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.	0022

SECTION 2. HAZARD IDENTIFICATION

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

Classification

Acute toxicity (Oral) - Category 4; Acute toxicity (Inhalation) - Category 2; Skin corrosion - Category 1; Serious eye damage - Category 1; Specific target organ toxicity (single exposure) - Category 2; Aquatic hazard (Acute) - Category 3; Aquatic hazard (Chronic) - Category 1

Label Elements



Danger

Harmful if swallowed.

Very toxic to aquatic life with long lasting effects.

Do not eat, drink or smoke when using this product.

Avoid release to the environment.

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

Store in a well-ventilated place. Keep container tightly closed.

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

Other Hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers
Poly(oxy-1,2-ethanediyl)-, alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	3 to 6	
Tetrasodium ethylenediaminetetraacetate	64-02-8	2 to 4	
Sodium carbonate	497-19-8	2 to 4	

Product Identifier: Cleaner Disinfectant G-346

SDS No.: 0022

Date of Preparation: January 21, 2016

Alkyl (68% C12, 32% C14) Dimethyl Ethylbenzyl Ammonium Chloride	68956-79-6	1 to 3	
Amines, C12-18-alkyldimethyl	68391-04-8	1 to 3	

Notes

Poly(oxy-1,2-ethanediyl)-, alpha-(4-nonylphenyl)-omega-hydroxy-, branched:

Sodium carbonate:

Alkyl (68% C12, 32% C14) Dimethyl Ethylbenzyl Ammonium Chloride:

Amines, C12-18-alkyldimethyl:

Tetrasodium ethylenediaminetetraacetate:

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician or poison control centre immediately.

Skin Contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control centre immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.

Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control centre immediately.

Ingestion

Call a physician or poison control centre immediately. Rinse mouth. Do not induce vomiting.

Most Important Symptoms and Effects, Acute and Delayed

Burning pain and severe corrosive skin damage.

Immediate Medical Attention and Special Treatment

Target Organs

Eyes, skin.

Special Instructions

Not applicable.

Medical Conditions Aggravated by Exposure

None known.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Water, fog, foam, carbon dioxide.

Unsuitable Extinguishing Media

Not applicable.

Specific Hazards Arising from the Product

Vapours may form explosive mixtures with air. During fire, gases hazardous to health may be formed.

Special Protective Equipment and Precautions for Fire-fighters

In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.

Product Identifier: Cleaner Disinfectant G-346

SDS No.: 0022

Date of Preparation: January 21, 2016

Chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Immediately evacuate personnel to safe areas. Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Fully encapsulating, vapour protective clothing should be worn for spills and leaks with no fire. Do not breathe vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.

Environmental Precautions

Local authorities should be advised if significant spillages cannot be contained. Do not allow into any sewer, on the ground or into any waterway. If the spill is inside a building, prevent product from entering drains, ventilation systems and confined areas.

Methods and Materials for Containment and Cleaning Up

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

Other Information

Report spills to local health, safety and environmental authorities, as required.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Vapours may form explosive mixture with air. Do not handle, store, or open near open flame. Protect material from direct sunlight. All equipment used should be grounded. Do not breathe vapour. Observe good industrial practices. Do not dump into drain.

Conditions for Safe Storage

Store in a dry place no lower in temperature than 50°F or higher than 120°F. Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Keep in an area equipped with sprinklers.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

Not available.

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product. 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

Do not allow product to accumulate in the air in work or storage areas, or in confined spaces.

Individual Protection Measures

Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

Skin Protection

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

Respiratory Protection

If engineering controls and work practices are not effective in controlling inhalation exposure then wear suitable

Product Identifier: Cleaner Disinfectant G-346

SDS No.: 0022

Page 03 of 07

Date of Preparation: January 21, 2016

personal protective equipment including approved respiratory protection.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Clear green - yellow liquid.
Odour	Citrus
Odour Threshold	Not applicable
pH	~ 12.36
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)	~ 1.04 at 25 °C
Solubility	Soluble in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available (kinematic)
Other Information	
Surface Tension	Not available
Critical Temperature	Not available
Electrical Conductivity	Not available
Vapour Pressure at 50 deg C	Not available
Saturated Vapour Concentration	Not available

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions of use.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None expected under normal conditions of storage and use.

Conditions to Avoid

Prolonged exposure to high temperatures.

Incompatible Materials

None known.

Hazardous Decomposition Products

None known.

Product Identifier: Cleaner Disinfectant G-346

SDS No.: 0022

Date of Preparation: January 21, 2016

Page 04 of 07

SECTION 11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure

Inhalation; skin contact; eye contact.

Acute Toxicity

Chemical Name	LC50	LD50 (oral)	LD50 (dermal)
Alkyl (68% C12, 32% C14) Dimethyl Ethylbenzyl Ammonium Chloride	~ 0.51 mg/L (rat)	~ 344 mg/kg (rat)	> 2000 mg/L (rabbit)
Amines, C12-18-alkyldimethyl	~ 0.51 mg/L (rat)	~ 344 mg/kg (rat)	> 2000 mg/L (rabbit)
Poly(oxy-1,2-ethanediyl)-, alpha-(4-nonylphenyl)-omega -hydroxy-, branched		> 2000 mg/kg (rat)	> 2000 mg/kg (rabbit)

LC50: Not applicable.

LD50 (oral): Not applicable.

LD50 (dermal): Not applicable.

Skin Corrosion/Irritation

Causes severe skin burns and eye damage.

Serious Eye Damage/Irritation

Causes serious eye damage.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

Can be fatal if inhaled.

Skin Absorption

Causes severe skin burns.

Ingestion

May be harmful if swallowed.

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.

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive Toxicity

Development of Offspring

This product is not expected to cause reproductive or developmental effects.

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

Product Identifier: Cleaner Disinfectant G-346

SDS No.: 0022

Date of Preparation: January 21, 2016

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)
Amines, C12-18-alkyldimethyl	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)
Poly(oxy-1,2-ethanediyl)-, alpha-(4-nonylphenyl)-omega-hydroxy-, branched	> 10 mg/L (Oncorhynchus mykiss (rainbow trout); 96-hour)	> 10 mg/L (Pseudokirchneriella subcapitata (algae); 72-hour)		

Persistence and Degradability

Not considered to be rapidly degradable in the environment.

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

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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 US DOT Regulations.

Environmental Hazards Severe 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

Product Identifier: Cleaner Disinfectant G-346

SDS No.: 0022

Date of Preparation: January 21, 2016

USA

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

All ingredients are listed on the TSCA Inventory.

SECTION 16. OTHER INFORMATION

SDS Prepared By Michael Harvey
Phone No. 800-456-4743
Date of Preparation January 21, 2016
Date of Last Revision January 21, 2016
Revision Indicators The following SDS content was changed on January 21, 2016:

Product Identifier: Cleaner Disinfectant G-346
SDS No.: 0022
Date of Preparation: January 21, 2016

Page 07 of 07