

Issue Date August 2008

Revision Date August 2013

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name Elite™ Premium Glass and Multi-Surface Cleaner Concentrate 10:1

Other Means of Identification

SDS # 56010/SDS/I01

UN/ID No. UN1219

Product Code 56010

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Glass and Multi-Surface Cleaner.

Details of the Supplier of the Safety Data Sheet

Supplier Address Certol International, LLC.
6120 East 58th Avenue
Commerce City, Colorado 80022
www.Certol.com

Emergency Telephone Number

Company Phone Number(s)

Phone: 303-799-9401
Toll-Free: 1-800-843-3343
Fax: 303-799-9408

24 Hour Emergency Telephone

INFOTRAC: 1-800-535-5053 (North America)
INFOTRAC: 1-352-323-3500 (International)

2. HAZARDS IDENTIFICATION

Classification

Specific Target Organ Toxicity (Single Exposure)	Category 3
Serious Eye Damage / Eye Irritation	Category 2
Flammable Liquids	Category 2

Signal Word

Danger.

Hazard Statements

Causes serious eye irritation.
May cause respiratory irritation.
May cause drowsiness or dizziness.
Highly Flammable liquid and vapor.

2. HAZARDS IDENTIFICATION (continued)

Appearance	Pink Clear Liquid.
Physical State	Liquid.
Odor	Floral.



Precautionary Statements-Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Use personal protective equipment as required.
Wash face, hands and any exposed skin thoroughly after handling.
Keep cool.
Use only outdoors or in a well-ventilated place.
Keep away from heat/sparks/open flames/hot surfaces.
Do not smoke when using this product.
Do not breathe dust/fumes/gas/mist/vapors/spray.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof equipment.
Use only non-sparking tools.

Precautionary Statements-Response

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a Poison Control Center or doctor/physician.

IF SWALLOWED: Immediately call a Poison Control Center or doctor/physician.
Rinse mouth.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a Poison Control Center or doctor/physician.

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

IN CASE OF FIRE: Use CO₂, dry chemical or alcohol resistant foam to extinguish.

Precautionary Statements - Storage

Keep container tightly closed and store in a dry, cool and well-ventilated place away from incompatible materials.

Keep out of the reach of children and pets.

Precautionary Statements - Disposal

Dispose according to all local, state and federal regulations.

2. HAZARDS IDENTIFICATION (continued)

Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed.
May cause mild skin irritation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight-%
Isopropyl Alcohol	67-63-0	*
Ethylene Glycol n-Butyl Ether	111-76-2	*

*The exact percentage is a trade secret.

4. FIRST AID MEASURES

First Aid Measures

Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. Call a physician or Poison Control Center immediately.
Eye Contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Call physician immediately.
Ingestion	Rinse mouth. Drink large amounts of water. Do not induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing. Call a physician or Poison Control Center immediately.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice/attention. Call a physician if you feel unwell.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms	Causes eye irritation. Prolonged contact may cause irreversible damage. Skin contact may cause irritation, burns and dermatitis. Inhalation may cause irritation to nasal passages, drunken behavior, burns, coughing, headache, dizziness and drowsiness. Ingestion may cause nausea, burning sensation and headache. Overexposure may aggravate pre-existing disorders of the eyes, skin and respiratory tract.
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Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians	Treat symptomatically.
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

CO₂, dry chemical or alcohol resistant foam for extinction.

Unsuitable Extinguishing Media

Caution: Use of water spray when fighting the fire may be inefficient. Do not use a solid water stream as it may scatter and spread the fire.

Specific Hazards Arising from the Chemical

Flash back possible over a considerable distance.

Hazardous Combustion Products

Smoke, fumes and carbon monoxide (CO) can form.

Sensitivity to Static Discharge

Take precautionary measures against static discharge.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Evacuate area of unprotected personal. Remain upwind of fire to avoid hazardous vapors and decomposition products. Use water spray to cool fire-exposed containers and disperse vapors.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions

Use personal protective equipment as required. The wet contaminated surface may be slippery.

For Emergency Responders

Restrict access to spill area. Ventilate the area.

Environmental Precautions

Prevent entry into waterways, sewers, basements or confined areas.
See Section 12 for additional ecological information.

Methods and Material for Containment and Cleaning Up

Methods for Containment

Prevent further leakage or spillage if safe to do so.

Methods for Cleaning Up

Absorb with inert material. Shovel or sweep spills. Flush remainder with plenty of water.

7. HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Use personal protection recommended in Section 8.
Wash thoroughly after handling.
Do not breathe dust/fumes/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated place.
Keep away from heat/sparks/open flames/hot surfaces.
Ground/bond container and receiving equipment.
Use explosion-proof equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions

Keep container tightly closed and store in a dry, cool and well-ventilated place away from incompatible materials.

Keep out of the reach of children and pets.

Incompatible Materials

Strong oxidizers, acids and alkalis.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethylene Glycol n-Butyl Ether 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m ³ TWA: 25 ppm (Vacated) TWA: 120 mg/m ³ (Vacated)	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m ³
Isopropyl Alcohol 67-63-0	STEL: 400 ppm TWA: 200 ppm	TWA: 400 ppm TWA: 980 mg/m ³ TWA: 400 ppm (Vacated) TWA: 980 mg/m ³ (Vacated) STEL: 500 ppm (Vacated) STEL: 1225 mg/m ³ (Vacated)	IDLH: 2000 ppm TWA: 400 ppm TWA: 980 mg/m ³ STEL: 500 ppm STEL: 1225 mg/m ³

Appropriate Engineering Controls

Engineering Controls

Apply technical measures to comply with the occupational exposure limits.
Eyewash stations.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION (continued)

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection

Wear goggles or a face protection shield.

Skin and Body Protection

Chemical resistant, impermeable gloves.

Wear appropriate clothing to prevent repeated or prolonged skin contact.

Respiratory Protection

Ensure adequate ventilation, especially in confined areas.

Under normal conditions a respirator is not normally required.

A mask or respirator may be used if vapor concentration is high.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

Physical State	Liquid.
Appearance	Pink Clear Liquid.
Color	Pink.
Odor	Floral.

<u>Property</u>	<u>Values</u>	<u>Remarks * Method</u>
pH	6.5 - 7.5	68°F (20°C)
Melting Point / Freezing Point	< -110°F / < -79°C	
Boiling Point / Boiling Range	> 180°F / > 82°C	(Approximate)
Flash Point	64°F / 18°C	(Approximate)
Evaporation Rate	< 1	(Butyl acetate = 1) (Approximate)
Flammability (Solid/Gas)	N/A-Liquid.	
Upper Flammability Limit In Air	12.1%	
Lower Flammability Limit In Air	2.5%	
Vapor Pressure	Not Determined.	
Vapor Density	> 1	(Air = 1) (Approximate)
Specific Gravity	0.8	68°F (20°C) (Water = 1)
Water Solubility	Completely Soluble.	
Partition Coefficient	Not Determined.	
Autoignition Temperature	Not Determined.	
Decomposition Temperature	Not Determined.	
Kinematic Viscosity	Not Determined.	
Dynamic Viscosity	Not Determined.	
Explosive Properties	Not Determined.	
Oxidizing Properties	Not Determined.	

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization will not occur.

Conditions to Avoid

Keep away from heat, sparks and open flames.

Incompatible Materials

Strong oxidizers, acids and alkalis.

Hazardous Decomposition Products

Carbon monoxide when ignited.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Product Information

Inhalation May cause irritation, coughing, nausea, headache, drowsiness or dizziness.

Eye Contact Causes serious eye irritation.

Skin Contact Avoid contact with skin. May cause mild skin irritation.

Ingestion Do not taste or swallow. May be harmful if swallowed.

Component Information

Chemical Name	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Ethylene Glycol n-Butyl Ether 111-76-2	470 mg/kg (Rat)	2270 mg/kg (Rat)	2.21 mg/L (Rat) 4 hr.
Isopropyl Alcohol 67-63-0	4396 mg/kg (Rat)	12800 mg/kg (Rat)	72.6 mg/L (Rat) 4 hr.

Information on Physical, Chemical and Toxicological Effects

Symptoms Please see section 4 of this SDS for symptoms.

11. TOXICOLOGICAL INFORMATION (continued)

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

Chemical Name	ACGIH	IARC	NTP	OSHA
Isopropyl Alcohol 67-63-0	A4	Group 3	N/A	N/A
Ethylene Glycol n-Butyl Ether 111-76-2	A3	Group 3	N/A	N/A

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Confirmed Animal Carcinogen With Unknown Relevance to Humans.

A4 - Not Classifiable as a Human Carcinogen.

IARC (International Agency for Research on Cancer)

Group 3 - Not Carcinogenic to Humans.

Target Organ Effects

Respiratory system, eyes and skin.

STOT - Single Exposure

May cause respiratory irritation. May cause drowsiness or dizziness.

Numerical Measures of Toxicity

Not Determined.

12. ECOLOGICAL INFORMATION

Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Toxic to aquatic organisms.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Ethylene Glycol n-Butyl Ether 111-76-2	No Information	Known Toxin	No Information	Known Toxin
Isopropyl Alcohol 67-63-0	Known Toxin	Known Toxin	No Information	Known Toxin

Persistence and Degradability

Not Determined.

Bioaccumulation

Not Determined.

Mobility

Chemical Name	Partition Coefficient
Isopropyl Alcohol 67-63-0	0.05

Other Adverse Effects

Not Determined.

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes

Dispose according to all local, state and federal regulations.

Contaminated Packaging

Dispose according to all local, state and federal regulations.

Chemical Name	California Hazardous Waste Status
Isopropyl Alcohol 67-63-0	Toxic / Ignitable

14. TRANSPORT INFORMATION

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT

UN/ID No	UN1219
Proper Shipping Name	Flammable Liquids, n.o.s. (Isopropyl Alcohol Mixture)
Hazard Class	3
Packing Group	II

IATA

UN/ID No	UN1219
Proper Shipping Name	Flammable Liquids, n.o.s. (Isopropyl Alcohol Mixture)
Hazard Class	3
Packing Group	II

IMDG

UN/ID No	UN1219
Proper Shipping Name	Flammable Liquids, n.o.s. (Isopropyl Alcohol Mixture)
Hazard Class	3
Packing Group	II

15. REGULATORY INFORMATION

International Inventories

Not Determined.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/
European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances

15. REGULATORY INFORMATION (continued)**US Federal Regulations****SARA 311/312**

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 311/312.

SARA 313

Chemical Name	CAS No	Weight %	SARA 313-Threshold Values %
Ethylene Glycol n-Butyl Ether	111-76-2	> 1.0%	1.0%
Isopropyl Alcohol	67-63-0	> 1.0%	1.0%

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

US State Regulations**U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Ethylene Glycol n-Butyl Ether 111-76-2	X	X	X
Isopropyl Alcohol 67-63-0	X	X	X

16. OTHER INFORMATION

NFPA

Health Hazards 1	Flammability 3	Instability 0	Special Hazards Not Determined.
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HMIS

Health Hazards Not Determined.	Flammability Not Determined.	Physical Hazards Not Determined.	Personal Protection Not Determined.
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Revision Note New format.

Disclaimer

The information contained herein is furnished without warranty or legal responsibility of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.

End of Safety Data Sheet