

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

Product Name: CLAIRE GREEN GLASS CLEANER – GALLON
Product Code Number 306
Product Use: Cleaner
WHMIS Class: Class D - Division 2A, 2B
DOT Classification: Not regulated as dangerous goods.
TDG Classification: Not regulated as dangerous goods.
Manufacturer/Supplier: Claire Manufacturing
500 Vista Ave.
Addison, IL 60101
General Assistance 630-543-7600
Emergency Telephone US: 866-836-8855
Emergency Tel. Canada: 952-852-4646.

LEGEND HMIS/NFPA		Health
Severe	4	* 1
Serious	3	Flammability 0
Moderate	2	Physical Hazard 0
Slight	1	Personal Protection B
Minimal	0	



SECTION II - HAZARDOUS INGREDIENTS

<u>Ingredient(s)</u>	<u>CAS #</u>	<u>Wt%</u>	<u>OSHA PELS</u>	<u>ACGIH-TLV</u>	<u>LC50</u>	<u>Oral LD50</u>
Ethanol	64-17-5	5 - 10	1000 ppm - TWA	1000 ppm - TWA	31623 ppm rat	3450 mg/kg mouse; 1501 mg/kg rat

SECTION III - PHYSICAL DATA

Boiling Point:	100 °C	Specific Gravity:	0.98 - 0.99 @25°C (77°F) (H ₂ O = 1)
Freezing Point:	0 °C	Coefficient of Water/Oil Distribution:	Not available
Vapor Pressure:	Same as water	% Volatile:	99%
Vapor Density:	Same as water	Evaporation Rate:	1 (H ₂ O = 1)
Solubility in Water:	Complete	pH:	2.5 - 3.5
Physical State:	Liquid	Viscosity:	Same as water
Appearance:	Blue Liquid	Odor Threshold:	Low odor
Odor:	Characteristic.		

SECTION IV - FIRE AND EXPLOSION DATA

Flammability:	Not flammable by WHMIS/OSHA criteria.		
Flash Point:	> 100.00 °C (> 212 °F)	LEL:	Not available
Hazardous Combustion Products:	May include and are not limited to: Oxides of carbon.		
Autoignition Temperature:	Not available		
Explosion Data:			
Sensitivity to Mechanical Impact:	Not available		
Sensitivity to Static Discharge:	Not available		
Means of Extinction:	Dry chemical. Foam. Alcohol foam. Carbon dioxide.		
Special Fire Hazards:	Firefighters should wear a self-contained breathing apparatus.		

SECTION V - REACTIVITY DATA

Conditions for Chemical Instability:	Stable at normal conditions.
Incompatible Materials:	Strong oxidizing agents. Caustics. Acids.
Reactivity, and Under What Conditions:	Do not mix with other chemicals.
Hazardous Decomposition Products:	May include and are not limited to: Oxides of carbon.

SECTION VI - TOXICOLOGICAL PROPERTIES

Route of Entry: Eye, Skin contact, Inhalation, Ingestion.

EFFECTS OF ACUTE EXPOSURE:

- Eye:** May cause irritation.
Skin: May cause irritation.
Inhalation: May cause respiratory tract irritation.
Ingestion: May cause stomach distress, nausea or vomiting.

EFFECTS OF CHRONIC EXPOSURE:

- Skin:** Prolonged or repeated exposure can cause drying, defatting and dermatitis.
Irritancy: Hazardous by WHMIS/OSHA criteria.
Respiratory Tract Sensitization: Non-hazardous by WHMIS/OSHA criteria.
Carcinogenicity: Non-hazardous by WHMIS/OSHA criteria.
Teratogenicity: Non-hazardous by WHMIS/OSHA criteria.
Mutagenicity: Mutagenic effects were observed in somatic and reproductive cells of live animals (rats and mice) exposed to high oral doses of ethanol.
Reproductive Effects: Non-hazardous by WHMIS/OSHA criteria.
Synergistic Materials: Not available

SECTION VII - PREVENTATIVE MEASURES

- Gloves:** Rubber gloves. Confirm with a reputable supplier first.
Eye Protection: Safety glasses
Respiratory Protection: Not normally required if good ventilation is maintained.
Other Protective Equipment: As required by employer code.
Engineering Controls: General ventilation normally adequate.
Leak and Spill Procedure: Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice.
Waste Disposal: Review federal, state/provincial, and local government requirements prior to disposal.
Handling Requirements: Use good industrial hygiene practices in handling this material. Wash hands before breaks and immediately after handling the product.
Storage Requirements: Keep out of reach of children. Store in a closed container away from incompatible materials.

SECTION VIII - FIRST AID

- Eye:** Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.
Skin: Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.
Inhalation: If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.
Ingestion: Do not induce vomiting. Rinse mouth with water, then drink one or two glasses of water. Obtain medical attention. Never give anything by mouth if victim is unconscious, or is convulsing.

SECTION IX - PREPARATION INFORMATION

Effective Date: 18-Sep-2007

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Prepared By: Claire Manufacturing, Attn" Regulatory Manager 630-543-7600

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