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## Material Safety Data Sheet

### 1. PRODUCT IDENTIFICATION

**Product Name:** Glass & Stainless Steel Cleaner  
**Product Type:** Aerosol cleaner  
**Item Number:** 23319

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
PETROLEUM GASES, LIQUEFIED, SWEETENED 68476-86-8	1-5	NA	NA
2-BUTOXYETHANOL 111-76-2	1-5	20 ppm	50 ppm; 240 mg/m <sup>3</sup>
AMMONIA SOLUTION 1336-21-6	0.1-1.0	NA	NA

### 3. HAZARDS IDENTIFICATION

**Effects of Acute Exposure:** May cause eye and skin irritation  
High concentrations of vapor or mist may be harmful or irritating if inhaled.  
Ingestion may cause abdominal pain, vomiting

**Primary Routes of Entry:** Eyes, Skin, Inhalation

**Signs and Symptoms of Exposure:** Overexposure may cause eye and skin redness. Irritating to mucous membranes. Ingestion may cause nausea and vomiting.

**Aggravated Medical Condition:** None known. Preexisting eye, skin and respiratory disorders may be aggravated by overexposure to this product.

**Chronic Health Hazard** None known

### 4. FIRST AID MEASURES

**Eye Contact:** Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Contact a physician if irritation persists.

**Skin Contact:** Wash with soap and water. If skin irritation persists, call a physician. Remove contaminated clothing and launder before reuse.

**Ingestion:** If swallowed, DO NOT induce vomiting. Give victim water, call a physician immediately. Never give anything by mouth to an unconscious person

**Inhalation:** Move to fresh air in case of accidental inhalation of vapours. If symptoms persist, call a physician.

**Notes to Physician:** Treat symptomatically

### 5. FIRE FIGHTING MEASURES

**Flash Point °F(C°):** No flame projection

**Recommended Extinguishing Media:** Carbon dioxide, Dry chemical, Foam

**Special Fire-Fighting Procedures:** Wear suitable protective equipment. Use water spray to cool exposed containers.

**Product Name:** Glass & Stainless Steel Cleaner

## 5. FIRE FIGHTING MEASURES

**Hazardous Products of Combustion:** Oxides of carbon, Oxides of nitrogen  
**Unusual Fire/Explosion Hazards:** Contents under pressure. Heated cans may burst. Do not puncture or incinerate container.  
**Sensitivity to Static Discharge:** Aerosol cans are under pressure and may explode in fire.  
**Mechanical Sensitivity:** Contents under pressure Use equipment or shielding to protect personnel from bursting containers  
**Lower Explosive Limit:** Not determined  
**Upper Explosive Limit:** Not determined

## 6. ACCIDENTAL RELEASE MEASURES

Clean up spills thoroughly as residue is slippery. Prevent from entering waterways or sewers. Contact the proper local authorities.

## 7. HANDLING AND STORAGE

Keep containers tightly closed in a cool, well-ventilated place. Store away from heat, sparks or open flame. Do not store at temperatures above 100°F (38°C). Keep out of the reach of children. Do not freeze.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eyes:** Safety glasses  
**Skin:** Wear chemical resistant gloves if repeated skin contact occurs or causes irritation.  
**Ventilation:** Use only in well ventilated area.  
**Respiratory Protection:** Not required under normal use

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear liquid	<b>Odor:</b>	Lemon
<b>Boiling Point:</b>	>200° F/93.3° C	<b>Freezing Point:</b>	~32°F/ ~0°C
<b>pH:</b>	~10.8	<b>Solubility in Water:</b>	Completely soluble
<b>Specific Gravity:</b>	~0.97 g/ml	<b>Vapor Pressure:</b>	Not Determined
<b>Vapor Density (Air=1):</b>	>1	<b>% Volatile:</b>	Not Available
<b>VOC(Wt.%):</b>	<8% by weight	<b>Evaporation Rate:</b>	<1 (butyl acetate = 1)

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable  
**Hazardous Polymerization:** Will not occur.  
**Incompatibilities:** Strong oxidizers  
**Conditions to Avoid:** Avoid temperatures greater than 100°F. Freezing conditions.  
**Hazardous Products of Combustion:** Oxides of carbon, Oxides of nitrogen

## 11. TOXICOLOGICAL INFORMATION

### Product Toxicity

<b>Eyes:</b> No data available	<b>Skin:</b> No data available	<b>Inhalation LC50:</b> No data available	<b>Oral LD50:</b> No data available
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## 12. ECOLOGICAL INFORMATION

No data available

## 13. DISPOSAL CONSIDERATIONS

Disposal should be made in accordance with federal, state and local regulations

## 14. TRANSPORTATION INFORMATION

### U.S. Department of Transportation - DOT - 49 CFR (Ground)

<b>DOT Shipping Name:</b>	Aerosols, Limited Quantity.
<b>Hazard Class:</b>	Class 2.2
<b>UN/ID Number:</b>	UN 1950

### TDG(Transport of Dangerous Goods) Canada

<b>Proper Shipping Name:</b>	Aerosols, Limited Quantity.
<b>Hazard Class:</b>	Class 2.2
<b>UN/ID No:</b>	UN 1950

**Product Name:** Glass & Stainless Steel Cleaner

## 15. REGULATORY INFORMATION

**SARA 302 Extremely Hazardous Substances:** None  
**SARA 313 Toxic Chemicals:** None  
**SARA (311, 312) Hazard Class:** Acute health hazard FIRE HAZARD

**TSCA Inventory Status:** All components of this product are listed (or exempt) on the EPA TSCA inventory.

**California Proposition 65:** No California Prop 65 chemicals are known to be present.

**WHMIS Hazard Class:** D2B TOXIC MATERIALS - IRRITANT

## 16. OTHER INFORMATION

**Estimated HMIS Classification:**  
HEALTH 1, FLAMMABILITY 4, PHYSICAL HAZARD 0  
HMIS is a registered trademark of the National Paint and Coatings Association

**Estimated NFPA Rating:**  
HEALTH 1, FLAMMABILITY 4, REACTIVITY 0  
(NFPA is a registered trademark of the National Fire Protection Association)

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