

# M A T E R I A L   S A F E T Y   D A T A   S H E E T

## GLISTEN BRILLIANCE GLASS CLEANER

<b>1. Product And Company Identification</b>			
<u><b>Supplier</b></u> Chase Products Co. 19th and Gardner Road Broadview, IL 60155 USA  Company Contact: Laura E. Radevski Telephone Number: 708-865-1000 FAX Number: 708-865-0923 E-Mail: sales@chaseproducts.com Web Site: www.chaseproducts.com	<u><b>Manufacturer</b></u> Chase Products Co. 19th and Gardner Road Broadview, IL 60155 USA  Company Contact: Laura E. Radevski Telephone Number: 708-865-1000 FAX Number: 708-865-0923 E-Mail: sales@chaseproducts.com Web Site: www.chaseproducts.com		
<u><b>Supplier Emergency Contacts &amp; Phone Number</b></u> Chem-Tel: 1-800-255-3924	<u><b>Manufacturer Emergency Contacts &amp; Phone Number</b></u> Chem-Tel: 1-800-255-3924		
Issue Date: 12/12/2012  Product Name: GLISTEN BRILLIANCE GLASS CLEANER Chemical Name: 7-4452 MSDS Number: 5236 Product Code: 431-2524 <u><b>Product/Material Uses</b></u> - Glass Cleaner			
<b>2. Composition/Information On Ingredients</b>			
	Ingredient Name	CAS Number	
2-BUTOXYETHANOL		111-76-2	1 - 5
AMMONIUM HYDROXIDE		1336-21-6	
*BUTANE		106-97-8	
*PROPANE		74-98-6	
*Components of Hydrocarbon Propellant. This product may also contain isobutane (CAS# 75-28-5). Hazardous components, according to OSHA, are listed when present at 1.0% or greater. Carcinogens are listed when present at 0.1% or greater.			
<b>3. Hazards Identification</b>			
<u><b>Primary Routes(s) Of Entry</b></u> - Eye contact, skin contact, inhalation, ingestion (possible, but consider unlikely). <u><b>Eye Hazards</b></u> - Can cause irritation after contact with the eyes. <u><b>Skin Hazards</b></u> - May cause skin irritation after prolonged contact with skin. 2-Butoxyethanol penetrates skin readily. Frequent or wide spread contact may result on skin absorption of potentially harmful amounts. <u><b>Ingestion Hazards</b></u> - This is an aerosol product, ingestion is unlikely to occur. 2-Butoxyethanol may cause red blood cell hemolysis and possible liver and kidney damage. <u><b>Inhalation Hazards</b></u> - Deliberate inhalation of concentrated vapor or mist may cause headaches, dizziness and nausea. <u><b>Chronic/Carcinogenicity Effects</b></u> - 2-Butoxyethanol may cause hemolysis of the blood cells leading to possible liver and kidney damage. None of the ingredients on this product are listed as carcinogenic by NTP, IARC or OSHA. <u><b>Teratogenicity (Birth Defects)</b></u> - Not known <u><b>Reproductive Effects</b></u> - Not known <u><b>Neurotoxicity</b></u> - Not known <u><b>Mutagenicity (Genetic Effect)</b></u> - Not known <u><b>Signs And Symptoms</b></u> - Acute: Deliberate inhalation of concentrated vapor or mist may cause headaches, dizziness and nausea. Prolonged and repeated contact with skin may cause irritation. Contact with the eyes causes irritation.			

# MATERIAL SAFETY DATA SHEET

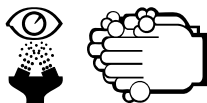
## GLISTEN BRILLIANCE GLASS CLEANER

### 3. Hazards Identification - Continued

**Conditions Aggravated By Exposure** - May aggravate pre-existing skin disorders.

**Conditions Aggravated By Overexposure** - May aggravate pre-existing skin disorders.

### First Aid (Pictograms)



### 4. First Aid Measures

**Eye** - Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Skin** - Wash skin with soap and water. If irritation develops, consult a physician.

**Ingestion** - Ingestion from an aerosol product is unlikely to occur. In case of accidental ingestion call a poison control center for treatment advice.

**Inhalation** - If overcome by vapor move victim to fresh air. If person is not breathing, call 911 or an ambulance, then provide artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

### 5. Fire Fighting Measures

**Flash Point:** Not available °F Not available °C

**Flash Point Method:** Not available

**Lower Explosive Limit:** Not available

**Upper Explosive Limit:** Not available

**Fire And Explosion Hazards** - This product is an aerosol product for which Flame Projection is 0 in. Temperatures above 120 F may cause cans to burst.

**Extinguishing Media** - Use CO2 (Carbon Dioxide), dry chemical, or water fog.

**Fire Fighting Instructions** - Water spray may be used to cool cans in the vicinity of fire or excessive heat.

### 6. Accidental Release Measures

Provide adequate ventilation to area being treated. Soak up spills with chemically inert, absorbent material.

### 7. Handling And Storage

**Handling And Storage Precautions** - Store in a cool, dry place away from heat and open flame.

**Handling Precautions** - Do not deliberately inhale vapor or spray mist. Avoid getting spray into eyes. Keep out of reach of children.

**Storage Precautions** - Keep away from heat, sparks, flame, and other sources of ignition (i.e., pilot lights, electric motors and static electricity). AEROSOL STORAGE LEVEL I (NFPA-30B)

**Work/Hygienic Practices** - Wash thoroughly after handling.

### Protective Clothing (Pictograms)



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## GLISTEN BRILLIANCE GLASS CLEANER

### 8. Exposure Controls/Personal Protection

**Engineering Controls** - Use with adequate general and local exhaust ventilation.

**Eye/Face Protection** - Conventional eyeglasses to guard against splashing.

**Skin Protection** - Household type gloves, if desired.

**Respiratory Protection** - None required if used in a well-ventilated area.

#### **Inredient(s) - Exposure Limits**

2-BUTOXYETHANOL

ACGIH TLV-TWA 20 ppm (Skin) ; OSHA PEL-TWA 50 ppm (Skin)

AMMONIUM HYDROXIDE

ACGIH TLV-STEL 35 ppm ; ACGIH TLV-TWA 25 ppm ; OSHA PEL-TWA 50 ppm

\*BUTANE

ACGIH TLV-TWA 800 ppm

\*PROPANE

ACGIH TLV-TWA 2500 ppm ; OSHA PEL-TWA 1,000 ppm

### 9. Physical And Chemical Properties

**Appearance** - Clear, water-like liquid.

**Odor** - Mild perfumed odor.

**Chemical Type:** Mixture

**Physical State:** Liquid

**Melting Point:** Not applicable °F Not applicable °C

**Boiling Point:** water 212 °F water 100 °C

**Specific Gravity:** 1.0 - 1.1 concentrate

**Percent VOCs:** 7.98

**pH Factor:** 10.2 - 11.2

**Solubility:** Soluble in water

**Evaporation Rate:** Faster than butyl acetate

### 10. Stability And Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

**Conditions To Avoid (Stability)** - Temperatures above 120 F

**Incompatible Materials** - Avoid heat and open flame.

**Hazardous Decomposition Products** - None known in a significant amount.

**Conditions To Avoid (Polymerization)** - Temperatures above 120 F

### 11. Toxicological Information

No Data Available...

### 12. Ecological Information

No Data Available...

### 13. Disposal Considerations

Do not puncture or incinerate container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions.

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## GLISTEN BRILLIANCE GLASS CLEANER

### 14. Transport Information

**Proper Shipping Name** - Limited Quantity - Glass cleaner

**Hazard Class**

2.1

**DOT Identification Number**

UN1950

**DOT Shipping Label**

Aerosol Consumer Commodity

### 15. Regulatory Information

**U.S. Regulatory Information** - All ingredients of this product are listed or are excluded from listing under the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**SARA Hazard Classes**

Acute Health Hazard

SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

**SARA Section 313 Notification** - This product contains the following toxic chemicals (above the de minimis level) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372. This information must be included in all MSDSs that are copied and distributed for this material: 2-Butoxyethanol. See section 2 for % amount in this product.

**Ingredient(s) - U.S. Regulatory Information**

2-BUTOXYETHANOL

SARA Title III - Section 313 Form "R"/TRI Reportable Chemical

**Ingredient(s) - State Regulations**

2-BUTOXYETHANOL

New Jersey - Workplace Hazard; New Jersey - Environmental Hazard; Pennsylvania - Workplace Hazard; Massachusetts - Hazardous Substance; New York City - Hazardous Substance

AMMONIUM HYDROXIDE

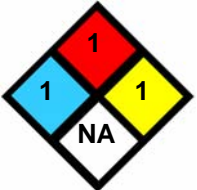
New Jersey - Workplace Hazard; New Jersey - Special Hazard; New Jersey - TCPA Extraordinarily Hazardous Substance; Pennsylvania - Workplace Hazard; Pennsylvania - Environmental Hazard; New York City - Hazardous Substance

\*PROPANE

New Jersey - Workplace Hazard; New Jersey - Environmental Hazard; New Jersey - Special Hazard; Pennsylvania - Workplace Hazard; Massachusetts - Hazardous Substance; New York City - Hazardous Substance

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## GLISTEN BRILLIANCE GLASS CLEANER

NFPA	HMIS
	HEALTH 1
	FLAMMABILITY 2
	REACTIVITY 1
	PERSONAL PROTECTION B

### 16. Other Information

#### Revision/Preparer Information

MSDS Preparer: Regulatory Department

MSDS Preparer Phone Number: 708-865-1000

#### Disclaimer

Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purposes(s).

Chase Products Co.

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