

PRODUCT NAME: BLUE GLASS CLEANER

PRODUCT NUMBER: 192004/193004/201009

PAGE 1 of 2

MATERIAL SAFETY DATA SHEET

Per 29 CFR 1910.1200

DATE PREPARED : 3/19/02

SECTION I.**BRULIN & COMPANY. INC.** P.O. BOX 270, INDIANAPOLIS, IN 46206-0270 (317) 923-3211WEST COAST FACTORY
Richmond, CaliforniaSOUTHEASTERN FACTORY
Tampa, Florida24 HOUR EMERGENCY NUMBER
CHEMTREC 1-800-424-9300IDENTITY (As listed on label):
BLUE GLASS CLEANERHealth: 2
HMIS HAZARD RATINGS: Flammability: 0
Reactivity: 0**SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

Hazardous Components (Specific Chemical Identity: Common Name(s))	CAS #	OSHA PEL	ACGIH TLV-TWA	OTHER LIMITS RECOMMENDED	PERCENT
* Ammonia	7664-41-7	50 PPM	25 PPM	STEL 35 PPM	< 1
* Glycol ethers (2-Butoxyethanol)	111-76-2	25 PPM	25 PPM	STEL 75 PPM	15-35

SECTION 313 SUPPLIER NOTIFICATION

The toxic chemical(s) listed above which are marked with an (*) are 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. Not all chemicals subject to Section 313 of EPCRA appear on the OSHA Floor List of Hazardous Chemicals.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 212 F Specific Gravity (H₂O=1): 1.001
Vapor Pressure (mm Hg): Ammonia, Less than 15@68F Melting Point: Approx. 30 F
Vapor Density (Air=1): Ammonia Less than 1 Evaporation Rate (water=1): <1.0
Solubility in Water: Complete
Appearance and Odor: Dark blue liquid, butyl and/or ammonia odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): NONE
Flammable Limits LEL NA UEL NA
Extinguishing Media: Not Applicable
Special Fire Fighting Procedures: None
Unusual Fire and Explosion Hazards: None

SECTION V - REACTIVITY DATA

Stability Unstable ___ Stable X

Conditions to Avoid: Freezing

Incompatibility (Materials to Avoid): Strong Acids

Hazardous Decomposition or Byproducts: Ammonia, nitrogen oxides upon thermal decomposition.

Hazardous Polymerization: May Occur ___ May Not Occur X

Conditions to Avoid: None

SECTION VI - HEALTH HAZARD DATA

Route(s) of Entry: Ingestion? Yes Skin? Yes Inhalation? Yes Eyes? Yes

Health Hazards (Acute and Chronic): Skin contact may cause irritation. Eye contact can cause irritation, corneal edema. Prolonged eye exposure may produce permanent damage. Ingestion may cause gastrointestinal irritation. Inhalation of vapors may cause respiratory tract irritation. Prolonged exposure may cause difficulty in breathing, pulmonary edema. Prolonged skin contact may cause burns and blisters.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

Signs and Symptoms of Exposure: Skin irritation seen as redness, itching, inflammation. Eye irritation may result in pain, redness. Ingestion may cause pain of the mouth, throat, and abdomen, coughing, followed by nausea, vomiting and diarrhea. Inhalation may result in dizziness, drowsiness, difficulty in breathing.

Medical Conditions Generally Aggravated by Exposure: May aggravate a preexisting dermatitis.

Emergency & First Aid Procedures:

Eye Contact: Flush with large amounts of water for 15 minutes lifting upper & lower lids occasionally. Get medical attention.

Inhalation: If affected, remove to fresh air. Administer oxygen if breathing is difficult.

Skin Contact: Wash with mild soap and water. Remove contaminated clothing and launder before reuse.

Ingestion: DO NOT induce vomiting. Drink large amounts of water. Keep person warm, quiet and get immediate medical attention.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: Absorb on solid absorbent and shovel into containers for disposal. Reportable Quantity (RQ) for Aqua Ammonia is 1000 lbs.

Waste Disposal Method: Dispose according to Federal, State and Local Laws and 40 CFR.

Precautions to be Taken in Handling and Storing: Store between 40 and 100 F.

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type): Use NIOSH/MSHA approved respiratory protection if TLV(s) is exceeded.

Ventilation: Mechanical (General): Local

Protective Gloves: Recommended (Rubber)

Eye Protection: Recommended

Other Protective Clothing or Equipment: None

Work/Hygienic Practices: This product is ammoniated and when diluted it releases ammonia vapors. Ammonia vapors are toxic to fish, birds, small animals and plants. They must be removed from the area prior to using Blue Glass Cleaner. If this is not possible, use one of Brulin's non-ammoniated glass cleaners.