

MATERIAL SAFETY DATA SHEET

Per 29 CFR 1910.1200

DATE PREPARED : 6/12/01

SECTION I.

BRULIN & COMPANY. INC. P.O. BOX 270, INDIANAPOLIS, IN 46206-0270 (317) 923-3211

WEST COAST FACTORY
Richmond, California

SOUTHEASTERN FACTORY
Tampa, Florida

24 HOUR EMERGENCY NUMBER

CHEMTREC 1-800-424-9300

IDENTITY (As listed on label):
PURPLE POWER CLEANER

Health: 2
HMIS HAZARD RATINGS: Flammability: 1
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
* 2-Butoxyethanol	111-76-2	25 ppm	25 ppm	STEL 75 ppm	15-20
2-Aminoethanol	141-43-5	3 ppm	3 ppm	STEL 6 ppm	10-15

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:	216 F	Specific Gravity (H2O=1):	1.020 @ 25 C
Vapor Pressure (mmHg):	Unknown	Melting Point:	Unknown
Vapor Density (Air=1):	Unknown	Evaporation Rate (=1):	Unknown
Solubility in Water:	Complete		

Appearance and Odor: Clear purple liquid with citrus odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 144 F (PMCC)
 Flammable Limits LEL ND UEL ND
 Extinguishing Media: Water, dry chemical, foam, carbon dioxide
 Special Fire Fighting Procedures: None
 Unusual Fire and Explosion Hazards: None

SECTION V - REACTIVITY DATA

Stability Unstable ___ Stable X

Conditions to Avoid:

Incompatibility (Materials to Avoid): Strong oxidizers and acids

Hazardous Decomposition or Byproducts: Carbon monoxide, nitrogen oxides, sulfur oxides.

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): Eye - Direct contact may cause irritation. Ingestion - May cause gastrointestinal irritation and irritation of the mouth and throat. Skin - Prolonged or repeated contact may cause irritation. 2-Butoxyethanol may be absorbed in harmful amounts. Inhalation - Excessive exposure may cause respiratory irritation. Chronic exposure may cause blood effects, and liver or kidney injury.

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

Signs and Symptoms of Exposure: Eye contact may cause irritation, seen as redness and swelling. Prolonged skin contact may cause irritation, seen as redness. Excessive inhalation of mists may be irritating and cause coughing and discomfort of the nose, throat and chest. Acute overexposure to 2-Butoxyethanol may cause lethargy and drowsiness. Ingestion may cause pain or discomfort in the mouth, throat and stomach.

Medical Conditions Generally Aggravated by Exposure: Ethanolamine may aggravate asthma and inflammatory or fibrotic pulmonary disease. May also aggravate an existing dermatitis.

Emergency & First Aid Procedures:

Eye Contact: Flush with large amounts of water for at least 15 minutes lifting upper and 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.

Ingestion: If conscious, dilute by giving at least two glasses of water. Call a physician immediately.

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.

Waste Disposal Method: Dispose of according to local, state and federal laws and 40 CFR.

Precautions to be Taken in Handling and Storing: Store between 40 and 120 F

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type): Not normally required. Use NIOSH/MSHA approved respirator if TLV is exceeded.

Ventilation: Mechanical general normally sufficient.

Protective Gloves: Butyl rubber if skin contact is likely.

Eye Protection: Goggles or safety glasses when handling concentrate.

Other Protective Clothing or Equipment: As necessary to avoid skin contact.

Work/Hygienic Practices: Avoid breathing spray mist.