

MATERIAL SAFETY DATA SHEET

Per 29 CFR 1910.1200

DATE PREPARED : 8/02/02

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):
BRULIN SD 1291

Health: 2
HMIS HAZARD RATINGS: Flammability: 2
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
Ethyl 3-Ethoxypropionate	763-69-9	Not Estab.	Not Estab.	Supplier 50 PPM	10-30
Dipropylene Glycol Methyl Ether	34590-94-8	100 PPM	100 PPM	STEL 150 PPM	50-70

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:	212-350 F	Specific Gravity (H ₂ O=1):	.948
Vapor Pressure (mm Hg):	.4	Melting Point:	Less than 0 F
Vapor Density (Air=1):	5.11	Evaporation Rate (n Butyl Acetate=1):	Less than 0.1
Solubility in Water:	15-20% (v/v)		

Appearance and Odor: Clear liquid, sweet/pungent odor.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): 155 F PMCC/157 F COC

Flammable Limits LEL Unknown UEL Unknown

Extinguishing Media: Carbon dioxide, foam, dry chemicals

Special Fire Fighting Procedures: Full protective equipment including self-contained breathing apparatus should be worn. During emergency conditions, overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparant. Get medical attention. Water may be used to cool & protect closed containers exposed to extreme heat.

Unusual Fire and Explosion Hazards: Warning! Combustible liquid. Keep away from heat and open flame. Never use welding or cutting torch on or near drum, even empty.

SECTION V - REACTIVITY DATA

Stability Unstable ___ Stable X

Conditions to Avoid: None

Incompatibility (Materials to Avoid): Strong oxidizers

Hazardous Decomposition or Byproducts: Carbon monoxide, carbon dioxide 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): Direct contact may cause moderate eye irritation. Excessive inhalation may cause respiratory irritation. Moderately toxic if ingested. Prolonged or repeated skin contact may cause irritation. Chronic skin exposure may cause dermatitis. Overexposure by air and/or prolonged skin contact may cause temporary blurring of vision.

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

Signs and Symptoms of Exposure: Eye contact may cause redness, tearing. Skin irritation may be seen as redness. Excessive inhalation may cause headache, nausea, dizziness. Ingestion may cause gastrointestinal irritation, nausea, vomiting, diarrhea.

Medical Conditions Generally Aggravated by Exposure: None Known

Emergency & First Aid Procedures:

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

Inhalation: Remove to fresh air. Administer oxygen if breathing is difficult. Get medical attention.

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

Ingestion: Give two glasses of water and induce vomiting immediately by sticking finger down throat. Call a physician. Never give anything by mouth to unconscious person.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled: Remove all sources of ignition. Ventilate the area well. Absorb on solid absorbent and shovel into containers. Flush residues with water.

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 120 F. Keep containers tightly closed.

SECTION VIII - CONTROL MEASURES

Respiratory Protection (Specify Type): If recommended limits are exceeded, use a NIOSH/MSHA approved respirator for organic vapors. Contact your local safety equipment supplier for recommendations.

Ventilation: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV.

Protective Gloves: Butyl rubber

Eye Protection: Goggles or full face shield

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

Work/Hygienic Practices: Use only with adequate ventilation. Avoid breathing vapor and mist. Avoid contact with skin & eyes. Do not take internally. Wash thoroughly after handling. Observe "NO SMOKING" when using this product.