

BRULIN AND CO INC -- SAFETY STRIP 1000 -- 6850-01-416-6363

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===== Product Identification =====

Product ID:SAFETY STRIP 1000  
MSDS Date:02/23/1988  
FSC:6850  
NIIN:01-416-6363  
MSDS Number: BYRYJ  
=== Responsible Party ===  
Company Name:BRULIN AND CO INC  
Address:2920 DR ANDREW J BROWN AVE  
Box:270  
City:INDIANAPOLIS  
State:IN  
ZIP:46205-0270  
Country:US  
Info Phone Num:317-923-3211 OR 800-428-7149  
Emergency Phon  
e Num:317-923-3211  
CAGE:94058  
=== Contractor Identification ===  
Company Name:BRULIN AND CO INC  
Address:2920 DR ANDREW J BROWN AVE  
Box:270  
City:INDIANAPOLIS  
State:IN  
ZIP:46205-0270  
Country:US  
Phone:317-923-3211  
CAGE:94058

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===== Composition/Information on Ingredients =====

Ingred Name:2-BUTOXYETHANOL  
CAS:111-76-2  
RTECS #:KJ8575000  
Fraction by Wt: 15%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:S, 50 PPM  
ACGIH TLV:S, 25 PPM; 9495

Ingred Name:ETHANOL, 2-BUTOXY-; (ETHYLENE GLYCOL

MONOBUTYL ETHER). VP:  
0.6 @ 68F. VAP DENS: 4.0  
CAS:111-76-2  
RTECS #:KJ8575000  
Fraction by Wt: 10-30%  
OSHA PEL:S, 50 PPM  
ACGIH TLV:S, 25 PPM; 9293

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===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:(ACUTE & CHRONIC):DIRECT CNTCT MAY  
CAUSE MODERATE EYE IRRIT. EXCESS INHAL MAY CAUSE RESP IRRIT.  
MODERATELY TOX IF INGESTED. PRLN  
GD/RPTD SKIN CONTACT MAY CAUSE  
IRRIT. 2-BUTOXYETHANOL IS READILY ABSORBE D THRU SKIN. CHRONIC  
EXPOSURE TO 2-BUTYOXYETHANOL MAY CAUSE BLOOD EFFECTS & INJURY TO  
LIVER & KIDNEY.(EFTS OF OVEREXP)  
Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%  
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.  
Effects of Overexposure:HLTH HAZ:CHRONIC SKIN EXPOS MAY CAUSE DERM.  
ANIMAL STUDIES HAVE CLEARLY DEMONSTRATED DOSE-RELATED ADVERSE EFTS  
ON THE CNS, THE HEMATOPOI  
ETIC TISSUE, THE BLOOD, THE KIDNEYS, & THE  
LIVER ASSOC W/ THE AD MINISTRATION OF ETHYLENE GLYCOL MONOBUTYL  
ETHER. (EXTRACTED FROM DHHS (NIOSH) PUB NO. 90-118) . (SUPP DATA)  
Medical Cond Aggravated by Exposure:NONE KNOWN.

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===== First Aid Measures =====

First Aid:INHAL:REMOVE TO FRESH AIR. ADMINISTER O2 IF BRTHG IS  
DIFFICULT. GET MED ATTN. EYE: FLUSH W/LRG AMTS OF WATER FOR @ LST  
15 MIN LIFTING UPPER & LOWER LIDS OCCASNL. GET MED ATTN. SKIN:  
WASH  
W/MILD SOAP & WATER. REMOVE CONTAM CLTHG & LAUNDER BEFORE REUSE.  
INGEST: GIVE TWO GLASSES OF WATER & INDUCE VOMIT IMMED BY STICKING  
FINGER DOWN THROAT. CALL A MD. NEVER GIVE ANYTHING BY MOUTH TO  
UNCON PERSON.

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===== Fire Fighting Measures =====

Flash Point Method:PMCC  
Flash Point:>200F,>93C  
Extinguishing Media:CARBON DIOXIDE, FOAM, DRY CHEMICALS.  
Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND  
FULL PROTECTIVE EQUI

PMENT.COOL FIRE EXPOSED CONTAINERS WITH WATER

FOG.

Unusual Fire/Explosion Hazard:NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM, EVEN EMPTY.

===== Accidental Release Measures =====

Spill Release Procedures:REMOVE ALL SOURCES OF IGNITION. VENTILATE THE AREA WELL. ABSORB ON SOLID ABSORBENT AND SHOVEL INTO CNTNRS. FLUSH RESIDUES WITH WATER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

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Handling and Storage Precautions:STORE BETWEEN 40 AND 120F.

Other Precautions:NONE SPECIFIED BY MANUFACTURER.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF TLV IS EXCEEDED, USE A NIOSH/MSHA APPROVED RESP. 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 Prot

ection:CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:AS NECESSARY TO PREVENT SKIN CONTACT.

Work Hygienic Practices:AVOID BREATHING SPRAY MISTS. WASH HANDS AFTER HANDLING.

Supplemental Safety and Health

COPIED FROM 8010-00-N01-6111,AS DIRECTED BY T.MCCARLEY.EFTS OF OVEREXP:

SIGNS & SYMPS: EYE CONTACT MAY CAUSE REDNESS, TEARING. SKIN

IRRITATION MAY BE SEEN AS REDNESS. EXCESSIVE INHALATION MAY CAUSE

HE ADACHE, NAUSEA, DIZZINESS. INGESTION MAYCAUSE GASTROINTESTINAL

IRRITA

TION, NAUSEA, VOMITING, DIARRHEA.

===== Physical/Chemical Properties =====

HCC:T6

Boiling Pt:>100.C, 212.F

Melt/Freeze Pt: