

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

===== 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 P

hone 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

===== 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 GLYC

OL 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. P

RLNGD/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 HEMATO

POIETIC 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 OCCASNLY. GET MED ATTN. SK

IN: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 E

EQUIPMENT.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 P

rotection: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  
IRR

ITATION, NAUSEA, VOMITING, DIARRHEA.

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

HCC:T6

Boiling Pt:>100.C, 212.F

Melt/Freeze Pt: