

DYNALOY, INC. -- DYNASOLVE 710/DYNASOLVE 711/DYNASOLVE 750 -- 6850-01-371-1614

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Product Identification  
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Product ID:DYNASOLVE 710/DYNASOLVE 711/DYNASOLVE 750

MSDS Date:09/01/1989

FSC:6850

NIIN:01-371-1614

MSDS Number: BTTPM

=== Responsible Party ===

Company Name:DYNALOY, INC.

Address:7 GREAT MEADOW LANE

City:HANOVER

State:NJ

ZIP:07936

Country:US

Info Phone Num:201-887-9270

Emergency Phon

e Num:201-887-9270

Preparer's Name:JAY W. PARTON

CAGE:27908

=== Contractor Identification ===

Company Name:DYNALOY, INC.

Address:1910 SOUTH STATE AVE.

Box:City:INDIANAPOLIS

State:IN

ZIP:46203

Country:US

Phone:317-788-9925;703-527-3887

CAGE:27908

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Composition/Information on Ingredients  
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Ingred Name:PROPYLENE GLYCOL MONOMETHYL ETHER

CAS:107-98-2

RTECS #:UB7700000

Fraction by Wt: 40 - 70%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:100 PPM

ACGIH TLV:100 PPM/150STEL;9394

Ingred Name:METHYL ALCOHOL (METHANOL) (SARA III)

CAS:67-56-1

RTECS #:PC1400000

Fraction by Wt: 2 - 5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:S, 200 PPM

ACGIH TLV:S,200PPM/250STEL; 94

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:POTASSIUM HYDROXIDE (SARA III)

CAS:1310-58-3

RTECS #:TT2100000

Fraction by Wt: 1 - 5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C, 2 MG/M3

ACGIH TLV:C 2 MG/M3; 9394

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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===== Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, RESPIRATORY &

GI TRACTS. ACUTE- TOXIC & CORROSIVE. MAY CAUSE EYE, SKIN,  
RESPIRATORY & GI TRACT IRRITATION & BURNS, HEADACHE, DIZZINESS,  
NAUSEA, VOMITING, COMA, BREATHING DIFFI CULTIES. CHRONIC- PROPYLENE  
GLYCOL MONOMETHYL ETHER HAS PRODUCED LIVER & KIDNEY ENLARGEMENT IN  
LABORATORY ANIMAL

S.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:EYES, SKIN, RESPIRATORY AND GASTROINTESTINAL  
TRACTS IRRITATION, NAUSEA, VOMITING, HEADACHES, DIZZINESS,  
DROWSINESS, INCOORDINATION, COMA, BREATHING DIFFICULTIES

Medical Cond Aggravated by Exposure:NONE CURRENTLY KNOWN.

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

First Aid:CALL A DOCTOR IF SYMPTOMS PERSIST. EYE:IMMEDIATELY FLUSH WITH  
WATER FOR 15 MINUTES, HOLDING EYELIDS OPEN. SKIN:WASH WITH SOAP

&

WATER. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED.  
ORAL:IF CONSCIOUS, DRINK 2 GLASSES OF WATER &INDUCE VOMITING. CALL  
A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY.

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Fire Fighting Measures  
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Flash Point Method:CC

Flash Point:105F,41C

Lower Limits:1.6

Upper Limits:11.8

Extinguishing Media:ALCOHOL FOAM, WATER FOG, CARBON DIOXIDE/DRY  
CHEMICAL. WATER MAY BE USED TO KEEP FIRE-EXPOSED CONTAINERS COOL.

Fire Fighting Procedu

res:WEAR FULL PROTECTIVE CLOTHING AND

NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL  
FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.

Unusual Fire/Explosion Hazard:VAPOR IS HEAVIER THAN AIR AND CAN TRAVEL  
CONSIDERABLE DISTANCE TO A SOURCE OF IGNITION AND FLASH BACK.  
CONTAINERS MAY EXPLODE DUE TO VAPOR PRESSURE BUILDUP.

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Accidental Release Measures  
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Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES  
OF IG

NITION. VENTILATE AREA. CONTAIN SPILL. PICK UP SPILL WITH  
NON-FLAMMABLE ABSORBENT SUCH AS SAND, EARTH/USE PUMP (EXPLOSION  
PROOF). GROUND ALL HANDLING EQUIPMENTS. PREVENT LIQUID FROM  
ENTERINGSEWERS.

Neutralizing Agent:WEAK ACID

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Handling and Storage  
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Handling and Storage Precautions:STORE IN COOL, VENTILATED AREA, AWAY  
FROM HEAT, FLAMES, SPARKS, HOT SURFACES & INCOMPATIBLE MATERIALS.  
KEEP CONTAINER TIGHTLY CLOSED.

Other Precautio

ns:WARNING. TOXIC AND CORROSIVE. AVOID BREATHING VAPORS.

DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. WASH THOROUGHLY AFTER  
HANDLING. DO NOT USE WELDING TORCH ON THIS CONTAINER (EVEN EMPTY).  
KEEP OUT OF R EACH OF CHILDREN. READ LABEL.

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Exposure Controls/Personal Protection  
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Respiratory Protection:NIOSH APPROVED SELF-CONTAINED BREATHING

APPARATUS SHOULD BE WORN IN THE ABSENCE OF ADEQUATE VENTILATION.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST

, EXPLOSION-PROOF)

VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:NITRILE RUBBER, NEOPRENE

Eye Protection:CHEMICAL SPLASH GOGGLES/FACE SHIELD

Other Protective Equipment:IMPERVIOUS PROTECTIVE CLOTHING SHOULD BE WORN TO PREVENT SKIN CONTACT. EYE WASH AND SAFETY EQUIPMENT SHOULD BE AVAILABLE

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

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===== Physical/Chemical Properties =====  
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HCC:F7

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:=120.C, 248.F

Vapor Pres:8 @ 68F

Vapor Density:3.12

Spec Gravity:0.983 - 0.996

pH:13.7

Evaporation Rate & Reference:0.66 (N-BUTYL ACETATE=1)

Solubility in Water:100%

Appearance and Odor:BLUE-GREEN LIQUID, SLIGHT PLEASANT ODOR

Percent Volatiles by Volume:100

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===== Stability and Reactivity Data =====  
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Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HEAT,  
FLAMES, SPARKS, STATIC DISCHARGE,  
OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:CARBON MONOXIDE, CARBON DIOXIDE

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===== Disposal Considerations =====  
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Waste Disposal Methods:WASTE DISPOSAL TO BE PERFORMED IN COMPLIANCE WITH ALL CURRENT LOCAL, STATE AND FEDERAL REGULATIONS.

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