

ROCHESTER MIDLAND CORPORATION -- BIOGENIC SE 377 C,SOLVENT EMULSION DEGREASER --
6850-01-311-0192

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

Product ID:BIOGENIC SE 377 C,SOLVENT EMULSION DEGREASER

MSDS Date:11/13/1991

FSC:6850

NIIN:01-311-0192

MSDS Number: BZQYZ

=== Responsible Party ===

Company Name:ROCHESTER MIDLAND CORPORATION

Address:333 HOLLENBECK STREET

Box:1515

City:ROCHESTER

State:NY

ZIP:14603-15

15

Country:US

Info Phone Num:716-336-2200

Emergency Phone Num:716-336-2200/266-2283 (MEDICAL)

Resp. Party Other MSDS Num.:495E

CAGE:13091

=== Contractor Identification ===

Company Name:ROCHESTER MIDLAND

Box:City:ROCHESTER

State:NY

ZIP:14603-1515

Country:US

Phone:716-266-2250

CAGE:0AFT1

Company Name:ROCHESTER MIDLAND CORP, INDUSTRIAL DIV

Address:321 COMMERCIAL AVE

Box:City:PALISADES PARK

State:NJ

ZIP:07650

Country:US

Phone:201-947-9880

Contract Num:SP045099MC712

CAGE:0D8W2

Company Name:ROCHESTER

MIDLAND CORPORATION
Address:333 HOLLENBECK STREET
Box:1515
City:ROCHESTER
State:NY
ZIP:14603-1515
Country:US
Phone:716-336-2200
CAGE:13091

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

Ingred Name:D-LIMONENE
CAS:5989-27-5
RTECS #:GW6360000
< Wt:30.
Other REC Limits:NONE RECOMMENDED

Ingred Name:DETERGENT MIXTURE
< Wt:20.
Other REC Limits:NONE RECOMMENDED

Ingred Name:DIETHYLENE GLYCOL MONOBUTYL ETHER
CAS:112-34-5
RTECS #:KJ9100000
= Wt:14.
Other REC Limits:35 PPM
(MFR)

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

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, CNS, LIVER,
KIDNEY, BLOOD. ACUTE- MAY CAUSE EYE & SKIN IRRITATION. CAN BE
ABSORBED THROUGH SKIN. EXCESSIVE INHALATION MAY BE IRRITATING. MAY
CAUSE CNS EFFECTS. INGESTION MAY CAUSE GI IRRITATION, V
OMITING.
ASPIRATIONHAZARD. CHRONIC- MAY CAUSE NONE EXPECTED FROM NORMAL USE.
LONG TERM EXPOSURE TO SOME GLYCOL ETHERS BY SKIN ABSORPTION OR
INHALATION MAY CAUSE KIDNEY, LIVER OR BLOOD EFFECTS. POSSIBLE
ASPIRATION HAZARD FROM INHALATION OF VOMITED OR INGESTED LIQUID.
Explanation of Carcinogenicity:NONE LISTED UNDER OSHA, IARC OR
NTP.RECENT NTP TESTING WITH DAILY VERY HIGH ORAL DOSES OF
D-LIMONENE HAS CREATED KIDNEY TUMORS IN 1 SPECIES OF MALE
LABORATORY RAT. WHEN HANDLED

AS RECOMMENDED, D-LIMONENE IS NOT EXPECTED TO POSE A MEASURABLE CARCINOGENIC RISK TO HUMANS.
Effects of Overexposure: EYES-IRRITATION. SKIN-IRRITATION, DERMATITIS. INHALATION-NOSE & RESPIRATORY IRRITATION, HEADACHE, NAUSEA, DIZZINESS. INGESTED-HEADACHE, NAUSEA, DIZZINESS, GI TRACT IRRITATION, VOMITING.

Medical Condition Aggravated by Exposure: RESPIRATORY (FROM INHALATION), SKIN CONTACT MAY AGGRAVATE EXISTING DERMATITIS.

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===== First Aid Measures =====
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First Aid: EYES-IMMEDIATELY FLUSH WITH WATER, HOLD LIDS OPEN. REMOVE CONTACTS IF WORN. SKIN-WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHES. INHALED-REMOVE TO FRESH AIR. AID BREATHING AS NEEDED. INGESTED-DO NOT INDUCE VOMITING! DRINK SEVERAL GLASSES OF WATER OR MILK. GET MEDICAL ATTENTION FOR EYE, INGESTION OR IF IRRITATION PERSISTS.

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===== Fire Fighting Measures =====
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Flash Point Method: TCC
Flash Point: =50.C, 122.F
Lower Limit
s: 0.7%
Upper Limits: 24%
Extinguishing Media: WATER SPRAY OR FOG, CARBON DIOXIDE, SAND, FOAM, DRY CHEMICAL..
Fire Fighting Procedures: AS FOR ANY COMBUSTIBLE HYDROCARBON. USE AIR SUPPLIED BREATHING EQUIPMENT. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL.
Unusual Fire/Explosion Hazard: COMBUSTIBLE LIQUID. DO NOT STORE OR MIX WITH STRONG OXIDANTS. EMPTY CONTAINERS RETAIN IGNITABLE PRODUCT RESIDUES AND VAPORS. DO NOT PRESSURIZE, CUT OR WELD ON OR NEAR CONTAINERS.

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===== Accidental Release Measures =====
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Spill Release Procedures: VENTILATE AREA & USE APPROPRIATE PERSONAL PROTECTION. SMALL SPILL: MOP UP ALL POSSIBLE. FLUSH RESIDUE WITH WATER. LARGE SPILL: DIKE TO CONTAIN LIQUID, RECLAIM ALL POSSIBLE. ABSORB REMAINDER ON INERT MATERIAL AND PLACE IN CLOSED CONTAINERS.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

ons:USE WITH ADEQUATE VENTILATION. AVOID BREATHING SPRAY MISTS OR VAPORS. DO NOT STORE OR HANDLE NEAR HEAT, SPARKS, FLAME OR OXIDANTS. STORE ONLY IN ORIGINAL CONTAINER & KEEP CLOSED. DO NOT REUSE EMPTY CO NTAINER.

Other Precautions:AVOID PROLONGED OR REPEATED SKIN CONTACT. WASH CONTAMINATED CLOTHES BEFORE REUSE.

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

Respiratory Protection:NONE NORMALLY NEEDED. NIOSH APPROVED ORGANIC VAPOR RESPIRATOR IN ENCLOSED AREA OR IF SPRAY OR VAPOR IN AIR CAUSES IRRITATION.

Ventilation:LOCAL EXHAUST AS NEEDED IN ENCLOSED AREA OR IF VAPOR SPRAY IN AIR. USE NON-SPARKING EQUIPMENT.

Protective Gloves:NEOPRENE, NITRILE OR VITON.

Eye Protection:SAFETY GLASSES OR CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:AS REQUIRED TO PREVENT PROLONGED OR REPEATED SKIN CONTACT.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH AFTER HANDLING AND BEFORE EATING OR DRINKING.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE PNI A, SAME NSN.

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

HCC:F4

Boiling Pt:=100.C, 212.F

Vapor Pres:5.6 @ 68F

Vapor Density:>1

Spec Gravity:0.999

pH:12.2

Evaporation Rate & Reference: