

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

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

Product ID:BIOGENIC SE 377C, SOLVENT EMULSION DEGREASER

MSDS Date:04/07/1999

FSC:6850

NIIN:01-311-0192

MSDS Number: CJWCH

=== Responsible Party ===

Company Name:ROCHESTER MIDLAND

City:ROCHESTER

State:NY

ZIP:14603-1515

Country:US

Info Phone Num:716-336-2200

Emergency Phone Num:7

16-336-2200

CAGE:24534

=== Contractor Identification ===

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:SP0450-00-M-D263

CAGE:0D8W2

Company Name:ROCHESTER MIDLAND CORP. DOLGE C B CO DIV

Address:333 HOLLENBECK ST

Box:1515

City:ROCHESTER

State:NY

ZIP:14603-1515

Country:US

Phone:716-336-2200/716-266-2250

CAGE:24534

Company Name:ROCHESTER MIDLAND CORPORATION

Address:333 HOLLENBECK ST

REET
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
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Ingred Name:D-LIMONENE
CAS:5989-27-5
RTECS #:GW6360000
< Wt:30.

Ingred Name:DETERGENT MIXTURE
< Wt:20.

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

Ingred Name:TRIPOTASSIUM PHOSPHATE
CAS:7778-53-2
RTECS #:TC8450000
< Wt:2.

Ingred Name:PROPANEDIOL

Ingred Name:WATER
CAS:7732-18-5
RTECS #:ZC0110000

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Hazards Identification
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LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: EYE IRRITANT. PROLONGED SKIN
CONTACT CAN CAUSE IRRITATION OR DERMATITS. GLYCOL ETHER COMPONENT
CAN BE ABSORBED THROUGH THE SKIN; HARMFUL AMOUNTS NOT EXPECTED IN
NORMAL USE. EXCESS INHALATION MA Y CAUSE NOSE & RESPIRATORY

IRRITATION; HEADACHE, NAUSEA, DIZZINESS. INGESTION: IRRITATION, NAUSEA, VOMITING, POSSIBLE ASPIRATION HAZARD FROM INHALATION OF VOMITING OR SWALLOWED LIQUID. CHRONIC EFFECTS : NONE EXPECTED IN NORMAL USE. LONG TERM EXPOSURE TO SOME GLYCOL ETHERS BY SKIN ABSORPTION OR INHALATION MAY CAUSE KIDNEY, LIVER OR BLOOD EFFECTS.

Explanation of Carcinogenicity:NONE LISTED UNDER OSHA, IARC OR NTP.

RECENT NTP TESTING WITH DAILY VERY HIGH DOSES OF D-LIMONENE HAS CREATED KIDNEY TUMOR

S IN ONE 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:ACUTE: EYE IRRITANT. PROLONGED SKIN CONTACT CAN CAUSE IRRITATION OR DERMATITIS. GLYCOL ETHER COMPONENT CAN BE

ABSORBED THROUGH THE SKIN; HARMFUL AMOUNTS NOT EXPECTED IN NORMAL USE. EXCESS INHALATION MAY CAUSE NOSE & RESPIRATORY IRRITATION; HEADACHE, NAUSEA, DIZZINESS. INGESTION: IRRITATION, NAUSEA,

VOMITING, POSSIBLE ASPIRATION HAZARD FROM INHALATION OF VOMITING OR SWALLOWED LIQUID.

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

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

First Aid:EYES: IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYES OPEN. REMOVE CONTACTS. SKIN: WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHES. INHALATION: REMOVE TO FRESH AIR. AID BREATHING

AS NEEDED. INGESTION: 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 =====

Flash Point Method:TCC

Flash Point:=-50.C, 122.F

OSHA

Extinguishing Media:FOAM, DRY CHEMICAL, CARBON DIOXIDE, WATER FOG OR SPRAY.

Fire Fighting Procedures:AS FOR ANY COMBUSTIBLE HYDROCARBON, USE AIR SUPPLIED BREATHING EQUIPMENT. AVOID BREATHING VAPOR OR FUMES

. COOL

EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:COMBUSTIBLE LIQUID. DO NOT STORE OR MIX WITH STRONG OXIDANTS. EMPTY CONTAINERS MAY RETAIN IGNITABLE PRODUCT RESIDUES AND VAPORS. DO NOT PRESSURIZE, CUT, OR WELD ON OR NEAR CONTAINERS.

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

Spill Release Procedures:VENTILATE AREA AND USE APPROPRIATE PROTECTIVE EQUIPMENT. SMALL: MOP UP ALL POSSIBLE. FLUSH RESIDUE WITH WATER.

LARGE SPILLS

: DIKE TO CONTAIN LIQUID; RECLAIM IF POSSIBLE. ABSORB

REMAINDER ON INERT MATERIAL AND PLACE IN CLOSED CONTAINERS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:USE WITH ADEQUATE VENTILATION. AVOID BREATHING SPRAY MISTS OR VAPORS. DO NOT STORE OR HANDLE NEAR HEAT, SPARKS, FLAME OR STRONG OXIDANTS. STORE ONLY ON ORIGINAL CONTAINER AND KEEP CLOSED. DO NOT REUSE EMPTY CONTAINER.

ER.

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

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

Respiratory Protection:NOT 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:SOLVENT-RESISTANT MATERIAL SUCH AS VITON, NEOPRENE OR NITRILE.

Eye Protection:CHEMICAL SAFETY GLASSES OR GOGGLES.

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

Work Hygienic Practices:WASH SKIN CONTACT AREAS IMMEDIATELY. WEAR SOLVENT-RESISTANT GLOVES FOR OTHER THAN INCIDENTAL HAND CONTACT WHILE USING PRODUCT OR SOLUTION. REMOVE AND LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

NONE SPECIFIED BY MANUFACTURER.

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

al Properties =====

HCC:F7

Boiling Pt:=100.C, 212.F

Vapor Pres:5.6 MM HG @ 68 F

Vapor Density:HEAVIER

Spec Gravity:0.999

pH:12.2

Evaporation Rate & Reference:AS WATER

Solubility in Water:EMULSIFIES

Appearance and Odor:CLEAR YELLOW LIQUID: CITRUS ODOR.

Percent Volatiles by Volume:83% @ 110 C

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS AND OXIDIZING AGENTS.

Stability Condition to Avoid:OPEN FLAMES

OR WELDING ARCS.

Hazardous Decomposition Products:INCOMPLETE COMBUSTION PRODUCES VAPOR,
SOOT, CARBON DIOXIDE AND CARBON MONOXIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:NONE SPECIFIED BY MANUFACTURER.

===== Ecological Information =====

Ecological:NONE SPECIFIED BY MANUFACTURER.

===== Disposal Considerations =====

Waste

Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND
LOCAL REGULATIONS. PRODUCT CONTAINS NO LISTED 40 CFR PART 261
SUBPART D WASTES. IF DISPOSED OF AS RECEIVED, PRODUCT IS AN
IGNITEABLE WASTE DUE TO FLASH POINT.

===== MSDS Transport Information =====

Transport Information:FLAMMABLE LIQUID, CORROSIVE, N.O.S. (D-LIMONENE,
POTASSIUM PHOSPHATE) UN 2924, PG III

===== Regulatory Information =====

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Title III Information:NONE SPECIFIED BY MANUFACTURER.

Federal Regulatory Information:NONE SPECIFIED BY MANUFACTURER.

State Regulatory Information:NONE SPECIFIED BY MANUFACTURER.

===== Other Information =====

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