

ROCHESTER MIDLAND CORPORATION -- 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: BWMVS

=== Responsible Party ===

Company Name: ROCHESTER MIDLAND CORPORATION

Box: 1515

City: ROCHESTER

State: NY

ZIP: 14603-1515

Country: US

Info Phone Num: 7

16-266-2250

Emergency Phone Num: 716-266-2283

CAGE: 0AFT1

=== 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

CAGE: 0D8W2

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

Ingred Name: D-LIMONENE

CAS: 5989-27-5

Fraction by Wt: 30%

Othe

r REC Limits:NONE RECOMMENDED

Ingred Name:DETERGENT MIXTURE

Fraction by Wt: 20%

Other REC Limits:NONE RECOMMENDED

Ingred Name:DIETHYLENE GLYCOL MONOBUTYL ETHER

CAS:112-34-5

RTECS #:KJ9100000

Fraction by Wt: 14%

Other REC Limits:NONE RECOMMENDED

Ingred Name:PROPANEDIOL

Other REC Limits:NONE RECOMMENDED

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Other REC Limits:NONE RECOMMENDED

Ingred Name:TRIPOTASSIUM PHOSPHATE

CAS:7778-53-2

RTECS #:TC8450000

Fraction by Wt: 2% MAX

OSHA PEL:NONE ESTA

BLISHED

ACGIH TLV:NONE ESTABLISHED

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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: EYE IRRITANT. PROLONGED SKIN

CONTACT CAN CAUSE IRRITATION OR DERMATITIS. GLYCOL ETHER COMPONENT  
CAN BE ABSORBED THROUGH SKIN; HARMFUL AMOUNTS NOT EXPECTED IN  
NORMAL USE. EXCESS INHALATION MAY CAUSE NOSE AND RESPIRATORY  
IRRITATI

ON; HEADACHE, NAUSEA, DIZZINESS. INGESTION: IRRITATION,  
NAUSEA, VOMITING, DIZZINESS.

Explanation of Carcinogenicity:NONE OF THE CHEMICALS IN THIS PRODUCT IS  
LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:LONG TERM OVEREXPOSURE TO SOME GLYCOL ETHERS BY  
SKIN ABSORPTION OR INHALATION MAY CAUSE KIDNEY, LIVER, OR BLOOD  
EFFECTS.

Medical Cond Aggravated by Exposure:RESPIRATORY DISORDERS MAY BE  
AGGRAVATED BY INHALATION. SKIN CONTACT MAY AGGRAVATE EXISTING  
DE

RMATITIS.

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

First Aid:EYES: FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE HOLDING EYELID. GET MEDICAL ATTENTION IMMEDIATELY. SKIN: WASH WITH WATER. REMOVE CONTAMINATED CLOTHING. GET MEDICAL ATTENTION. INHALATION: REMOVE TO FRESH AIR. GIVE MOUTH-TO-MOUTH RESUSCITATION IF NOT BREATHING. GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. IF CONSCIOUS GIVE DRINK OF WATER TO DILUTE. GET MEDICAL ATTENTION IMMEDIATELY.

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

Flash Point Method:TCC

Flash Point:122F,50C

Lower Limits:0.7

Upper Limits:24

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 PRODUCT RESIDUE. DO NOT CUT OR WELD ON OR NEAR CONTAINERS.

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

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

Handling and Storage Precautions:USE WITH ADEQUATE VENTILATION. AVOID BREATHING VAPORS. DO NOT STORE OR HANDLE NEAR HEAT, SPARKS, FLAME OR STRONG OXIDANTS. KEEP CONTAINER CLOSED.

Other Precautions:DO NOT REUSE EMPTY CONTAINER. STORE ONLY IN ORIGINAL CONTAINER. AVOID PROLONGED OR REPEATED SKIN CONTACT. WASH CONTAMINATED CLOTHING BEFORE REUSE.

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===== Exposure Controls/Personal Protection

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Respiratory Protection:NOT NORMALLY NEEDED. USE NIOSH/MSHA APPROVED RESPIRATOR IN ENCLOSED AREA OR IF SPRAY OR VAPOR IN AIR CAUSES IRRITATION.

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

Protective Gloves:SOLVENT RESISTANT GLOVES.

Eye Protection: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.

Supplemental Safety and Health

POTASSIUM HYDROXIDE IS NOT LISTED AS INGREDIENT SINCE OSHA DOES NOT REQUIRE LISTING OF QUANTITIES LESS THAN 1%.

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

HCC:F7

Boiling Pt:B.P. Text:212F,100C

Vapor Pres:5.6

Spec Gravity:0.999

pH:12.2

Evaporation Rate & Reference:SAME AS WATER

Solubility in Water:EMULSIFIES

Appearance and Odor:

CLEAR YELLOW LIQUID; CITRUS ODOR

Percent Volatiles by Volume:83

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS AND STRONG OXIDIZING AGENTS.

Stability Condition to Avoid:OPEN FLAMES OR WELDING ARCS.

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

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

Waste Disposal Methods:DISPOSE OF

IN ACCORDANCE WITH LOCAL, STATE AND  
FEDERAL REGULATIONS. IF DISPOSED OF AS RECEIVED, PRODUCT IS AN  
IGNITABLE HAZARDOUS WASTE DUE TO FLASH POINT.

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