



MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/18/2012

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PREPARED BY:

EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **BIOGENIC SE 377C, Solvent Emulsion Degreaser**

PRODUCT CODE: 105090

NFPA/HMIS HAZARD CODES(minimal=0; slight=1; moderate=2; serious=3; severe=4)

Health: 2/2

Fire: 2/2

Reactivity: 0/0

Special/Protective Equipment: ALK/B

NAME OF THE MANUFACTURER: Rochester Midland Corporation
155 Paragon Drive
Rochester, New York 14624
USA

Information: 585-336-2200
Emergency Phone:
INFOTRAC: 1-800-535-5053
OUTSIDE US: 1-352-323-3500

2. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

INGESTION: Irritation, nausea, vomiting and possible dizziness. Aspiration of ingested or vomited liquid into the lungs may cause chemical pneumonia, which can be fatal.

SKIN CONTACT: Prolonged contact may lead to irritation and dermatitis. Glycol ether component can be absorbed through the skin.

INHALATION: Excessive inhalation causes headache, dizziness, nausea and incoordination.

EYE CONTACT: Causes moderate eye irritation.

CHRONIC EFFECTS: None expected in normal use. Long term overexposure to some glycol ethers by skin absorption or inhalation may cause kidney, liver, or blood effects based on animal testing.

EFFECTS/CARCINOGENICITY: None listed under OSHA, IARC, or NTP. Contains an ingredient which has been determined by NTP to be an animal carcinogen with no known relevance to humans.

ROUTES OF ENTRY: Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION CAS#	%	ACGIH TLV	OSHA PELs
d-Limonene - combustible 5989-27-5	30 max.	Not applicable	Not applicable
Diethylene glycol butyl ether 112-34-5	14	Not applicable	Not applicable
Propylene glycol 57-55-6	10 max.	Not applicable	Not applicable
Potassium phosphate 7778-53-2	1 - 5	No applicable	No applicable

4. FIRST AID MEASURES

INGESTION: DO NOT INDUCE VOMITING. Drink several glasses of water or milk. Contact Physician.

SKIN: Wash with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation persists.

INHALATION: Move person to fresh air. Aid breathing if necessary.

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4. FIRST AID MEASURES

EYES: In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

NOTES TO PHYSICIAN: None.

5. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: (F): 122° F (C): 50° C

METHOD: TCC

FLAMMABLE LIMITS IN AIR

LOWER (%): 0.7%

UPPER (%): 24%

SENSITIVITY TO MECHANICAL IMPACT(Y/N):

NO

SENSITIVITY TO STATIC DISCHARGE:

Sensitivity to static discharge is not expected.

SUITABLE EXTINGUISHING MEDIA:

Water fog, carbon dioxide, foam, dry chemical.

FIRE FIGHTING PROCEDURES:

Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Cool exposed containers with water spray. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS: Mop up all possible. Flush residue with water.

LARGE SPILLS: Dike to contain. Pick up with absorbant material. Put in suitable container for disposal.

PERSONAL PRECAUTIONS: Not applicable

ENVIRONMENTAL PRECAUTIONS: Not applicable

METHODS FOR CLEANING UP: Not applicable

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Use only with adequate ventilation. Do not breathe mist or vapors. Avoid contact with skin and eyes. Do not store near heat, sparks or flame.

Do not store near oxidizing agents. Store only in original container and keep closed. Do not reuse container. Wash thoroughly after handling.

OTHER PRECAUTIONS:

Keep out of reach of children.

SPECIFIC USE(S):

Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS:

None known.

RESPIRATORY PROTECTION:

Use an approved NIOSH full-face air supplied respirator if TLV/PEL's are exceeded or if over-exposure is likely.

PROTECTIVE GLOVES:

Nitrile, neoprene, or other appropriate gloves are recommended to minimize hand skin contact.

EYE PROTECTION:

Safety glasses are recommended to minimize eye contact.

OTHER PERSONAL PROTECTION EQUIPMENT:

Appropriate protective clothing as needed to prevent skin contact. Eyewash fountains and safety showers must be easily accessible. It is the responsibility of the end user of this product to determine level of PPE required that is consistent with safe use of this product.

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VENTILATION: General mechanical and/or local exhaust as needed to meet exposure limits if mist in air. Use non-sparking equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Clear. Yellow. Amber liquid. Citrus odor.	
BOILING POINT (F):	212° F	(C) 100° C
VAPOR PRESSURE:	5.6 mm Hg @ 68° F	
VAPOR DENSITY (AIR=1):	> 1	
SOLUBILITY IN WATER:	Not determined	
SPECIFIC GRAVITY:	0.999 ± 0.005	
VOC Content (%):	33 (ARB 310)	
EVAPORATION RATE:	(BuAc = 1) : 1.26	
PH:	12.0 - 12.5	

10. STABILITY AND REACTIVITY

STABILITY DATA:	STABLE
POLYMERIZATION:	Will Not Occur.
HAZARDOUS DECOMPOSITION:	Incomplete combustion produces: Fumes. Soot. Carbon Dioxide. Carbon Monoxide.
INCOMPATIBILITY (MATERIALS TO AVOID):	Acids. Strong oxidents, such as nitric acid, or hypochlorites.
CONDITIONS/HAZARDS TO AVOID:	Welding arcs. Open flames.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	Not Established
EFFECTS OF CHRONIC EXPOSURE:	Not established.
OTHER TOXIC EFFECTS:	Not established.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:	No data at this time
CHEMICAL FATE INFORMATION:	No data at this time.
MOBILITY:	Not applicable.
PERSISTENCE/DEGRADABILITY:	Not applicable
BIOACCUMULATIVE POTENTIAL:	Not applicable
OTHER ADVERSE EFFECTS:	Not applicable

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS: Dispose in accordance with Federal, State and Local regulations.

14. TRANSPORT INFORMATION

Please refer to the Bill of Lading/Receiving documents for up to date shipping information.

15. REGULATORY INFORMATION

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PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
d-Limonene - combustible 5989-27-5	30 max.	Listed	Listed	Listed	Not Listed
Diethylene glycol butyl ether 112-34-5	14	Listed	Listed	Listed	Not Listed
Propylene glycol 57-55-6	10 max.	Listed	Listed	Listed	Not Listed
Potassium phosphate 7778-53-2	1 - 5	Not Listed	En lista	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
d-Limonene - combustible 5989-27-5	30 max.	Not Listed	Not Listed	Not Listed
Diethylene glycol butyl ether 112-34-5	14	Not Listed	Not Listed	Not Listed
Propylene glycol 57-55-6	10 max.	Not Listed	Not Listed	Not Listed
Potassium phosphate 7778-53-2	1 - 5	Not Listed	Not Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
d-Limonene - combustible 5989-27-5	30 max.	Listed
Diethylene glycol butyl ether 112-34-5	14	Listed
Propylene glycol 57-55-6	10 max.	Listed

The following components of this material are included in the Massachusetts Substance List and are present at or above reportable levels.

The following components of this material are included in the New Jersey Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	NJRTK:
Diethylene glycol butyl ether 112-34-5	14	Listed
Propylene glycol 57-55-6	10 max.	Listed

The following components of this material are included in the Pennsylvania Substance List and are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	PARTK:
Diethylene glycol butyl ether 112-34-5	14	Listed
Propylene glycol 57-55-6	10 max.	Listed

16. OTHER INFORMATION

This information was compiled from current, reliable sources and is believed to be correct. As data, and/or regulations change, and conditions of use and handling are beyond our control, no warranty, express or implied, is made as to completeness or continuing accuracy of this information.

*** END OF MSDS ***