



MATERIAL SAFETY DATA SHEET

REVISION DATE: 03/05/2009 REVISION NUMBER: 7
DATE PRINTED: 03/05/2009 PREPARED BY: EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **SANOR GRANAPPLE CONCENTRATE**
PRODUCT CODE: 117646

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

Health: 2/2 Fire: 0/0
Reactivity: 0/0 Special/Protective Equipment: None/B

NAME OF THE MANUFACTURER: Rochester Midland Corporation
333 Hollenbeck Street
Rochester, New York 14621
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 of the mouth, throat, and stomach. Large amounts may cause irritation, nausea, diarrhea.
SKIN CONTACT: Possible dryness; irritation with prolonged contact.
INHALATION: None in normal use. Concentrated vapors may cause slight temporary respiratory irritation.
EYE CONTACT: Causes severe eye burns which may not be immediately painful or visible.
CHRONIC EFFECTS: None expected in normal use. Repeated exposure may result in sensitization dermatitis.
EFFECTS/CARCINOGENICITY: None listed under OSHA, IARC, or NTP.
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
Detergents MIXTURE	45 - 75	NA	NA
Quaternary ammonium compounds 68424-85-1	< 10	NA	NA
Diethylene glycol butyl ether 112-34-5	8-12	NA	NA

4. FIRST AID MEASURES

INGESTION: Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.
SKIN: Flush skin with large amounts of water. If irritation persists, get medical attention.
INHALATION: If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth.
EYES: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.
NOTES TO PHYSICIAN: None.

5. FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT (F): None to boiling (C): NA
METHOD: TCC

FLAMMABLE LIMITS IN AIR

- LOWER (%): NA
- UPPER (%): NA

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:

Wear self-contained breathing equipment and rubber protective clothing.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS:

Flush with water.

LARGE SPILLS:

Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush remainder with water.

PERSONAL PRECAUTIONS:

NA

ENVIRONMENTAL PRECAUTIONS:

NA

METHODS FOR CLEANING UP:

NA

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN
IN HANDLING AND STORAGE:

Store in a cool, dry area. Keep container closed. Avoid contact with eyes, skin and clothing.

OTHER PRECAUTIONS:

Keep out of reach of children.

SPECIFIC USE(S):

NA

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS:

None known.

RESPIRATORY PROTECTION:

None required. None normally required.

PROTECTIVE GLOVES:

Rubber gloves.

EYE PROTECTION:

Safety Glasses. Goggles.

OTHER PERSONAL PROTECTION
EQUIPMENT:

None required.

VENTILATION:

None required. Use local exhaust ventilation as needed if spill occur.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:

Clear liquid. Pleasant fragrance as labeled.

BOILING POINT (F):

212

(C) NA

VAPOR PRESSURE:

15.7 mm Hg@22.2 C

VAPOR DENSITY (AIR=1):

0.625

SOLUBILITY IN WATER:

NA

SPECIFIC GRAVITY:

1.00 - 1.02

VOC Content (%):

23.5 - 25.5 (Per EPA Method 24)

VOV Content (%):

NE

EVAPORATION RATE:

(BuAc=1) 1.26

PH:

NA

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10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: Acrylic monomers
INCOMPATIBILITY (MATERIALS TO AVOID): None known.
CONDITIONS/HAZARDS TO AVOID: None.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: NE
EFFECTS OF CHRONIC EXPOSURE: NE
OTHER TOXIC EFFECTS: NE

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data at this time
CHEMICAL FATE INFORMATION: No data at this time.
MOBILITY: NA
PERSISTENCE/DEGRADABILITY: NA
BIOACCUMULATIVE POTENTIAL: NA
OTHER ADVERSE EFFECTS: NA

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

PRODUCT COMPOSITION CAS#	%	TSCA:	EINECS:	Canada DSL:	CA PROP 65:
Detergents MIXTURE	45 - 75	Not Listed	Not Listed	Not Listed	Not Listed
Quaternary ammonium compounds 68424-85-1	< 10	Listed	Listed	Listed	Not Listed
Diethylene glycol butyl ether 112-34-5	8-12	Listed	Listed	Listed	Not Listed

PRODUCT COMPOSITION CAS#	%	CERCLA:	SARA 302:	SARA 313:
Detergents MIXTURE	45 - 75	Not Listed	Not Listed	Not Listed
Quaternary ammonium compounds 68424-85-1	< 10	Not Listed	Not Listed	Not Listed
Diethylene glycol butyl ether 112-34-5	8-12	Not Listed	Not Listed	Listed

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PRODUCT COMPOSITION CAS#	%	Canada WHMIS:
Quaternary ammonium compounds 68424-85-1	< 10	Listed
Diethylene glycol butyl ether 112-34-5	8-12	Listed

None of the components of this material are included in the Massachusetts Substance List nor are present at or above reportable levels.

None of the components of this material are included in the New Jersey Substance List nor are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	NJRTK:
Diethylene glycol butyl ether 112-34-5	8-12	Listed

None of the components of this material are included in the Pennsylvania Substance List nor are present at or above reportable levels.

PRODUCT COMPOSITION CAS#	%	PARTK:
Diethylene glycol butyl ether 112-34-5	8-12	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 ***