



MATERIAL SAFETY DATA SHEET

REVISION DATE: 04/17/2012
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REVISION NUMBER: 8
 PREPARED BY: EH&S DEPARTMENT

1. CHEMICAL PRODUCT

PRODUCT NAME: **DFE VMR**
 PRODUCT CODE: 118270

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: None/B

| | | |
|---------------------------|--|--|
| NAME OF THE MANUFACTURER: | Rochester Midland Corporation 155 Paragon Drive Rochester, New York 14624 USA | Emergency Phone: INFOTRAC: 1-800-535-5053 OUTSIDE US: 1-352-323-3500 |
|---------------------------|--|--|

2. HAZARDS IDENTIFICATION

EFFECTS FROM ACUTE EXPOSURE:

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

SKIN CONTACT: May be absorbed through the skin and contribute to the symptoms listed under ingestion. Repeated or prolonged contact may irritate moderately. May be absorbed through the skin and produce nervous system effects.

INHALATION: May cause Central Nervous System effects. Inhalation of spray mists irritating to nose and throat; possible nausea, dizziness.

EYE CONTACT: Possible tissue damage. Causes severe eye irritation. Causes redness and tearing.

CHRONIC EFFECTS: None known.

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 |
|--|---------|----------------|----------------|
| TETRAHYDRO-2-FURYL METHANOL 97-99-4 | 20 - 30 | Not applicable | Not applicable |

4. FIRST AID MEASURES

INGESTION: Rinse mouth with water many times. Drink one or two glasses of water. Get medical attention. Never give anything by mouth to an unconscious person. **DO NOT INDUCE VOMITING.** May cause aspiration pneumonia.

SKIN: Get medical attention if irritation persists. Flush with water for at least 15 minutes while removing all contaminated clothing and shoes.

INHALATION: If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

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

FLASH POINT: (F): 174° F (C): Not determined
METHOD: PMCC
FLAMMABLE LIMITS IN AIR
LOWER (%): No data
UPPER (%): No data
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. 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. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. Combustible. Cool exposed containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:
SMALL SPILLS: Pick up with absorbant material.
LARGE SPILLS: Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Keep out of drains, sewers, streams, or other bodies of water.
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: WARNING Combustible Do not store near oxidizing agents. Store only in original container and keep closed. Vapors are heavier than air and may tend to collect in low or poorly ventilated areas resulting in possible fire and/or inhalation hazard. Do not reuse container. Do not store near heat, sparks or flame.
Do not inhale vapors.
Use only with adequate ventilation.
OTHER PRECAUTIONS: Read and follow label instructions.
SPECIFIC USE(S): Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:



EXPOSURE CONTROLS: None known.
RESPIRATORY PROTECTION: None normally required. If product is used in a manner which creates vapor or mist above recommended exposure limits, a NIOSH/MSHA approved organic respirator may be needed in the absence of proper environmental controls.
PROTECTIVE GLOVES: Impermeable latex gloves.
EYE PROTECTION: Goggles.
OTHER PERSONAL PROTECTION EQUIPMENT: Rubber boots. Liquid may penetrate leather shoes and cause delayed burns. Chemical resistant materials are required to prevent prolonged or repeated skin contact.
VENTILATION: General mechanical and/or local exhaust as needed if mist or vapors cause irritation.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear. Viscous. Colorless liquid. Characteristic odor.
BOILING POINT (F): Not determined (C) Not determined
VAPOR PRESSURE: Not determined
VAPOR DENSITY (AIR=1): Not determined
SOLUBILITY IN WATER: Not determined
SPECIFIC GRAVITY: 1.00 - 1.01
VOC Content (%): 99 - 100 (EPA Method 24)
EVAPORATION RATE: Not determined
PH: Not determined

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: When heated to high temperatures, the following may be produced: Various hydrocarbons. Carbon Dioxide. Nitrogen compounds. Carbon Monoxide.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong alkalis. Do not store or mix with: Strong oxidents, such as nitric acid, or hypochlorites. Strong mineral acids.
CONDITIONS/HAZARDS TO AVOID: Extreme heat, direct sunlight. 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

| PRODUCT COMPOSITION CAS# | % | TSCA: | EINECS: | Canada DSL: | CA PROP 65: |
|--|---------|--------|---------|-------------|-------------|
| TETRAHYDRO-2-FURYL METHANOL 97-99-4 | 20 - 30 | Listed | Listed | Listed | Not Listed |

DFE VMR

| PRODUCT COMPOSITION CAS# | % | CERCLA: | SARA 302: | SARA 313: |
|--|---------|------------|------------|------------|
| TETRAHYDRO-2-FURYL METHANOL 97-99-4 | 20 - 30 | Not Listed | Not Listed | Not Listed |

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

| PRODUCT COMPOSITION CAS# | % | MARTK: |
|--|---------|--------|
| TETRAHYDRO-2-FURYL METHANOL 97-99-4 | 20 - 30 | Listed |

None of the components of this material are included in the New Jersey Substance List nor are present at or above reportable levels. 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: |
|--|---------|--------|
| TETRAHYDRO-2-FURYL METHANOL 97-99-4 | 20 - 30 | 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 ***