

SAFETY DATA SHEET



QUBICA AMF

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

PRODUCT NAME: **ORANGE CD**
PRODUCT CODE: 118040
NAME OF THE MANUFACTURER: Rochester Midland Corporation Ltd.
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2. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION CAS#	%	EINECS Number	EEC Classification and Risk Phrases
d-Limonene - combustible 5989-27-5	10 max.	227-813-5	R10 Xi;R38 R43 N;R50-53
Diethylene glycol butyl ether 112-34-5	6.5	203-961-6	Xi;R36

For the full text of the R phrases mentioned in this Section, see Section 15.

3. HAZARDS IDENTIFICATION

MOST IMPORTANT HAZARDS

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.

4. FIRST AID MEASURES

INGESTION: DO NOT INDUCE VOMITING.
SKIN: Wash with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation persists.
INHALATION: If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.
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 FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Water fog, carbon dioxide, foam, dry chemical.
SENSITIVITY TO MECHANICAL IMPACT(Y/N): NO
SENSITIVITY TO STATIC DISCHARGE: Sensitivity to static discharge is not expected.
FIRE FIGHTING PROCEDURES: Cool exposed containers with water spray. 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. Positive pressure, self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

SMALL SPILLS:

Mop up all possible. Flush residue with water.

LARGE SPILLS:

Flush remainder with water. Releases of some glycol ethers may be CERCLA reportable. Dike to contain. Pick up with absorbant material. Put in suitable container for disposal.

PERSONAL PRECAUTIONS:

NA

ENVIRONMENTAL PRECAUTIONS:

NA

METHODS FOR CLEANING UP:

NA

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

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. Avoid contact with skin and eyes. Use only in a well ventilated area. Do not breathe mist or vapors. WARNING

OTHER PRECAUTIONS:

Empty containers may retain product residue, follow MSDS/label precautions even after container is emptied.

SPECIFIC USE(S):

NA

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMIT VALUES



PROTECTIVE EQUIPMENT:

EXPOSURE CONTROLS:

Use in a well ventilated area.

RESPIRATORY PROTECTION:

Not normally required. If mist or vapors in air exceed exposure limit, use NIOSH approved organic vapor respirator.

PROTECTIVE GLOVES:

Viton gloves. Neoprene. Nitrile gloves.

EYE PROTECTION:

Safety Glasses. Goggles.

OTHER PERSONAL PROTECTION EQUIPMENT:

Appropriate protective clothing as needed to prevent skin contact.

VENTILATION:

General mechanical and/or local exhaust as needed to meet exposure limits if mist in air. Explosion-proof equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:

Clear, orange liquid. Citrus odor.

BOILING POINT (F):

212° F(C) NA

VAPOR PRESSURE:

13.7 mm Hg @ 68° F

VAPOR DENSITY (AIR=1):

Heavier

SOLUBILITY IN WATER:

NA

SPECIFIC GRAVITY:

1.02 - 1.03

VOC Content (%):

4 (ARB 310)

VOV Content (%):

88.4

EVAPORATION RATE:

As water

PH:

12.0 - 12.5

FLASH POINT (F):

129° F (C): NA

METHOD:

TCC

FLAMMABLE LIMITS IN AIR

- LOWER (%):

0.7%

- UPPER (%):

6.1% (approx.)

10. STABILITY AND REACTIVITY

STABILITY DATA:

STABLE

POLYMERIZATION:

Will Not Occur.

HAZARDOUS DECOMPOSITION:

Incomplete combustion produces: Fumes. Smoke. Carbon Monoxide. Carbon Dioxide.

10. STABILITY AND REACTIVITY

INCOMPATIBILITY (MATERIALS TO AVOID): Do not mix with acidic materials. Do not mix with: Strong oxidents, such as nitric acid, or hypochlorites.

CONDITIONS/HAZARDS TO AVOID: Avoid any source of ignition. Open flames. Welding arcs.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: NE

EFFECTS OF CHRONIC EXPOSURE: NE

OTHER TOXIC EFFECTS: NE

EFFECTS FROM ACUTE EXPOSURE:

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

SKIN CONTACT: Causes moderate skin irritation. Dermatitis. May cause skin burns.

INHALATION: Excessive inhalation causes headache, dizziness, nausea and incoordination. May cause Central Nervous System effects.

EYE CONTACT: Causes severe eye irritation. May Cause Eye Burns.

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.

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

15. REGULATORY INFORMATION

LABEL FOR SUPPLY



15. REGULATORY INFORMATION

R -PHRASE(S)

R10 - Flammable R38 - Irritating to skin R43 - May cause sensitization by skin contact R36 - Irritating to eyes

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

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PREPARED BY: EH&S DEPARTMENT

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.

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