

SAFETY DATA SHEET



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

PRODUCT NAME: **RLT-7 (UK)**
PRODUCT CODE: 6553
NAME OF THE MANUFACTURER: Rochester Midland Corporation Ltd.
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APPLICATION:
According to Regulation (EC) 1907/2006

2. HAZARDS IDENTIFICATION

MOST IMPORTANT HAZARDS

Flammable Causes burns
Harmful by inhalation, in contact with skin and if swallowed

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#	%	EINECS Number	EEC Classification and Risk Phrases
MORPHOLINE 110-91-8	1-5	203-815-1	R10 Xn;R20/21/22 C;R34
Ethoxylate polyamine 61790-85-0	1 - 5	-	
CYCLOHEXYLAMINE 108-91-8	5-10	203-629-0	R10 Xn;R21/22 C;R34
2-DIETHYLAMINOETHANOL 100-37-8	1 - 5	202-845-2	R10 Xn;R20/21/22 C;R34

For the full text of the R phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

INGESTION: DO NOT INDUCE VOMITING. Get immediate medical attention. Drink one or two glasses of water. Get 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. Remove contaminated clothing and laundry before reuse.

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

EYES: Remove contact lenses. 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 FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:	As for surrounding fire.
SENSITIVITY TO MECHANICAL IMPACT(Y/N):	NO
SENSITIVITY TO STATIC DISCHARGE:	Sensitivity to static discharge is not expected.
FIRE FIGHTING PROCEDURES:	Wear self-contained breathing equipment and rubber protective clothing. Cool exposed containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:	
SMALL SPILLS:	Flush with water.
LARGE SPILLS:	Absorb onto sand, earth, or inert material. Flush remainder with 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:	Avoid contact with skin and eyes. Keep container closed when not in use. Store in a cool, dry area. Store in a well ventilated area.
OTHER PRECAUTIONS:	No other spill procedures necessary.
SPECIFIC USE(S):	Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION



PROTECTIVE EQUIPMENT:	
EXPOSURE CONTROLS:	Use in a well ventilated area.
RESPIRATORY PROTECTION:	Use in a well ventilated area. Wear self-contained breathing apparatus.
PROTECTIVE GLOVES:	PVC.
EYE PROTECTION:	Goggles. Face shield.
OTHER PERSONAL PROTECTION EQUIPMENT:	Appropriate protective clothing as needed to prevent skin contact.
VENTILATION:	Use only in well ventilated area.
HYGIENIC WORK PRACTICES	DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly if skin becomes contaminated. No eating or drinking while working with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Clear amber liquid. Amine odor.
BOILING POINT (F):	NE (C) Not determined
SOLUBILITY IN WATER:	NOT APPLICABLE
SPECIFIC GRAVITY:	1.0
VOV Content (%):	Not established
EVAPORATION RATE:	NE
PH:	11.46
(F):	NE (C): Not Applicable
METHOD:	Not applicable
FLAMMABLE LIMITS IN AIR	

9. PHYSICAL AND CHEMICAL PROPERTIES

LOWER (%): Not applicable
UPPER (%): None

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: When heated to decomposition: Carbon Dioxide. Carbon Monoxide.
INCOMPATIBILITY (MATERIALS TO AVOID): None known.
CONDITIONS/HAZARDS TO AVOID: Acids.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Not Established
EFFECTS OF CHRONIC EXPOSURE: Not established.
OTHER TOXIC EFFECTS: Not established.
SUBSTANCE: MORPHOLINE
TOXIC DOSE - LD50: 1050 mg/kg (oral rat)

EFFECTS FROM ACUTE EXPOSURE:

INGESTION: Can be harmful if large quantities are swallowed. Causes burns of the mouth, throat and stomach.
SKIN CONTACT: Causes severe burns.
INHALATION: Causes severe respiratory irritation. Harmful if inhaled.
EYE CONTACT: Causes eye burns.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: Not regarded as dangerous for the environment.
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

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UN NO. ROAD:	3267
ADR CLASS No.:	Class 8: Corrosive substances.
ADR CLASS	8
ADR PACK GR.:	III
HAZARD No. (ADR)	80
ADR LABEL No.:	8
HAZCHEM CODE:	2X
CEFIC TEC(R) No.:	80GC7-II+III
Proper Shipping Name:	CORROSIVE LIQUID, BASIC, ORGANIC, NOS (Cyclohexamine)
RID CLASS No.:	8
RID PACK GR.:	III
IMDG UN No.:	3267
IMDG CLASS	8
IMDG PACK GR.:	III
EmS No.:	F-A, S-B
MFAG TABLE No.:	See Guide
Marine Pollutant:	Not a Marine Pollutant
ICAO/IATA UN No.:	3267
ICAO/IATA CLASS	8
ICAO/IATA PACK GR.:	III

15. REGULATORY INFORMATION

LABEL FOR SUPPLY



R -PHRASE(S)

R10 - Flammable R34 - Causes burns
R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed

SAFETY PHRASES:

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S38 In case of insufficient ventilation wear suitable respiratory equipment.
S45 In case of accident or if you feel unwell, seek medical advice immediately.
S60 This material and/or its container must be disposed of as hazardous waste.

S24/25 Avoid contact with skin and eyes.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

STATUTORY INSTRUMENTS:

Chemicals (Hazard Information and Packaging) Regulations.

GUIDANCE NOTES:

Occupational Exposure Limits EH40. CHIP for everyone HSG(108).

Text of R phrases mentioned in Section 3

R10 - Flammable

R34 - Causes burns

R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed

REVISION DATE: 08/25/2010

REVISION NUMBER: 3

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PREPARED BY: EH&S DEPARTMENT

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