

SAFETY DATA SHEET



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

PRODUCT NAME: OC-1000 (UK)
PRODUCT CODE: 6564
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

Irritating to eyes, respiratory system and skin

EFFECTS/CARCINOGENICITY: Under certain conditions, nitrites may react with secondary amines to form carcinogenic nitrosamines.
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
Sodium Nitrate 7631-99-4	10 - 45	-	

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

4. FIRST AID MEASURES

INGESTION: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.
SKIN: Flush with water for at least 15 minutes while removing all contaminated clothing and shoes.
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: Treatment based on sound judgment of physician and individual reactions of patient.

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: Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires.

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.

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: Do not breathe mist or vapors. Store in a well ventilated area. Store in a cool, dry area. Store only in original container and keep closed.
OTHER PRECAUTIONS: Do not reuse container. Empty containers may retain product residue, follow MSDS/label precautions even after container is emptied. Read and follow label instructions.
SPECIFIC USE(S): Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT:
EXPOSURE CONTROLS: Use in a well ventilated area.
RESPIRATORY PROTECTION: 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: Rubber or plastic gloves recommended to minimize skin contact.
EYE PROTECTION: Safety Glasses. Goggles. Face shield.
OTHER PERSONAL PROTECTION EQUIPMENT: Appropriate protective clothing as needed to prevent skin contact.
VENTILATION: General mechanical and/or local exhaust as needed if mist or vapors cause irritation.
HYGIENIC WORK PRACTICES Wash skin thoroughly after handling. Do not wear clothing wet with product. Remove contaminated clothing, let air dry, and launder or clean before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Clear, colorless liquid.
BOILING POINT (F): 100° C (212°F) (C) Not determined
VAPOR PRESSURE: 18
VAPOR DENSITY (AIR=1): As water
SOLUBILITY IN WATER: SOLUBLE
SPECIFIC GRAVITY: 1.312
VOC Content (%): NE
VOV Content (%): Not established
EVAPORATION RATE: > 1
PH: 9
(F): NONE (C): Not Applicable
METHOD: Not applicable
FLAMMABLE LIMITS IN AIR
LOWER (%): NA
UPPER (%): NA

10. STABILITY AND REACTIVITY

STABILITY DATA: STABLE
POLYMERIZATION: Will Not Occur.
HAZARDOUS DECOMPOSITION: Oxides of Nitrogen. Oxides of Sodium.

10. STABILITY AND REACTIVITY

INCOMPATIBILITY (MATERIALS TO AVOID): Combustible/flammable materials. Water reactive materials.

CONDITIONS/HAZARDS TO AVOID: Keep away from heat, sparks and flame. Combustible materials.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Oral Toxicity (Rat): 723 mg/kg body weight

EFFECTS OF CHRONIC EXPOSURE: Not established.

OTHER TOXIC EFFECTS: Not established.

EFFECTS FROM ACUTE EXPOSURE:

INGESTION: Causes vomiting, nausea, and diarrhea. Severe burns to mucous membranes of mouth, throat and digestive tract. Moderately toxic.

SKIN CONTACT: Prolonged contact causes severe burns which may not be immediately painful or visible.

INHALATION: Mists or vapors may cause nose and respiratory irritation, headache, nausea, dizziness. Possible tissue damage.

EYE CONTACT: Causes eye burns. Causes permanent eye damage. May cause blindness.

CHRONIC EFFECTS: Dermatitis. Possible respiratory damage from inhalation of dust or mist.

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

(Bad file name or number)

ROAD TRANSPORT
UN NO. ROAD: 1498
ADR CLASS No.: Division 5.1: Oxidizing substances
ADR CLASS 5.1
ADR PACK GR.: III
Proper Shipping Name: SODIUM NITRATE SOLUTION

RID TRANSPORT
RID CLASS No.: 5.1
RID PACK GR.: III

IMDG TRANSPORT
IMDG UN No.: 3139
IMDG CLASS 5.1
IMDG PACK GR.: III
Marine Pollutant: Not a Marine Pollutant

15. REGULATORY INFORMATION

LABEL FOR SUPPLY



R -PHRASE(S)

R36/37/38 - Irritating to eyes, respiratory system and skin

GUIDANCE NOTES:

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

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REVISION DATE:

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REVISION NUMBER:

1

Revision Comments

Re-issued due to update of SDS format.

PREPARED BY:

EH&S DEPARTMENT

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***** END OF SDS *****