

SAFETY DATA SHEET



1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

PRODUCT NAME: CS-60 (UK)
PRODUCT CODE: 6551
NAME OF THE MANUFACTURER: Rochester Midland Corporation Ltd.
Unit 24, Nine Mile Point Industrial Estate
Cwmfelinfach, Crosskeys, Gwent
Wales, UK NP11 7HZ
Tel No. +44 1495 200005
Fax No. +44 1495 201416
proberts@rmcorp.co.uk
EMERGENCY PHONE: +44 1495 200005 (24 hours per day)
APPLICATION:
According to Regulation (EC) 1907/2006

2. HAZARDS IDENTIFICATION

MOST IMPORTANT HAZARDS

- Irritating to skin Risk of serious damage to eyes

EFFECTS/CARCINOGENICITY: Contains an ingredient which has been determined by NTP to be an animal carcinogen with no known relevance to humans.
ROUTES OF ENTRY: Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.
CARCINOGENIC INGREDIENTS: The International Agency of Research (IARC) has classified "strong inorganic acid mists containing sulfuric acid" as a suspected human carcinogen.

3. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION CAS#	%	EINECS Number	EEC Classification and Risk Phrases
1-Hydroxyethylidene - 1, 1- diphosphonic acid 2809-21-4	9	-	

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

4. FIRST AID MEASURES

INGESTION: DO NOT INDUCE VOMITING. Drink several glasses of water or milk. Get immediate medical attention. 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. Get medical attention if irritation or burns develop.
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, 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

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SUITABLE EXTINGUISHING MEDIA:	Product will not burn. Carbon dioxide. Dry chemical. Use of water may cause spattering.
SENSITIVITY TO MECHANICAL IMPACT(Y/N):	NO
SENSITIVITY TO STATIC DISCHARGE:	Sensitivity to static discharge is not expected.
FIRE FIGHTING PROCEDURES:	Corrosive material. Avoid exposure to mist and splashes. Fire-fighters should wear self-contained breathing apparatus and full protective clothing when fighting chemical fires. Cool exposed containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:	
SMALL SPILLS:	Reclaim as much as possible. Flush residue with water.
LARGE SPILLS:	Dike to contain. Pick up with absorbant material. Put in suitable container for disposal. Flush remainder with water.
PERSONAL PRECAUTIONS:	Not applicable
ENVIRONMENTAL PRECAUTIONS:	Not expected to cause significant adverse environmental impact if material reaches waterways.
METHODS FOR CLEANING UP:	Not applicable

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:	DANGER: Concentrated acidic liquid. Avoid contact with eyes, skin and clothing. Do not breathe mist or vapors. Store only in original container and keep closed. Store in a cool, dry area. Store in a well ventilated area. Always add only small amounts of product to water at any one time, while continuously stirring. Mix only with cool water. Do not store near heat, sparks or flame.
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. Keep out of reach of children.
SPECIFIC USE(S):	Not applicable.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION



PROTECTIVE EQUIPMENT:	
EXPOSURE CONTROLS:	Use in a well ventilated area.
RESPIRATORY PROTECTION:	None normally required. Use NIOSH approved acid respirator with dust/mist filter if spray mist in air exceeds exposure limits.
PROTECTIVE GLOVES:	Rubber or plastic gloves recommended to minimize skin contact.
EYE PROTECTION:	Goggles. Face shield.
OTHER PERSONAL PROTECTION EQUIPMENT:	Rubber boots. Appropriate protective clothing as needed to prevent skin contact. Eyewash fountains and safety showers must be easily accessible.
VENTILATION:	Local exhaust ventilation recommended. Corrosion resistant equipment recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:	Light yellow liquid. Odorless.
BOILING POINT (F):	212 F (C) Not determined
VAPOR PRESSURE:	15.7 mm Hg @ 22.2 C
VAPOR DENSITY (AIR=1):	0.625
SOLUBILITY IN WATER:	NOT APPLICABLE

9. PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY:	1.307
VOC Content (%):	NE
VOV Content (%):	Not established
EVAPORATION RATE:	< (BuAc = 1) : 1.26
PH:	< 1
(F):	None (C): Not Applicable
METHOD:	None
FLAMMABLE LIMITS IN AIR	
LOWER (%):	Not applicable
UPPER (%):	None

10. STABILITY AND REACTIVITY

STABILITY DATA:	STABLE
POLYMERIZATION:	Will Not Occur.
HAZARDOUS DECOMPOSITION:	When heated to high temperatures, the following may be produced: Sulfur dioxide.
INCOMPATIBILITY (MATERIALS TO AVOID):	Avoid contact with: Alkalines. Chlorine containing materials. Peroxides. Reducing agents. Avoid contact with aluminum, zinc, other soft metals or galvanized metals. Reaction will generate hydrogen gas. This gas is flammable and/or explosive in presence of ignition source.
CONDITIONS/HAZARDS TO AVOID:	None.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	Not Established
EFFECTS OF CHRONIC EXPOSURE:	Not established.
OTHER TOXIC EFFECTS:	Not established.

EFFECTS FROM ACUTE EXPOSURE:

INGESTION:	Severe burns to mucous membranes of mouth, throat and digestive tract. May be fatal if swallowed.
SKIN CONTACT:	Causes severe burns.
INHALATION:	Causes severe respiratory irritation. Possible damage to mucous membranes of nose and throat.
EYE CONTACT:	Causes severe eye burns. May cause permanent eye damage. May cause blindness.
CHRONIC EFFECTS:	Dermatitis. Possible respiratory damage from inhalation of dust or mist.

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:	96 hr, LC50 (rainbow trout) > 2,453 mg/L 48 hr, EC50 (Daphnia) = 3,513 mg/L
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.
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14. TRANSPORT INFORMATION

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UN NO. ROAD: 3265
ADR CLASS No.: Class 8: Corrosive substances.
ADR CLASS 8
ADR PACK GR.: III
Proper Shipping Name: CORROSIVE LIQUID, NOS (Phosphonic acid, (1-Hydroxyethylidene)bis-)

IMDG UN No.: 3265
IMDG CLASS 8
IMDG PACK GR.: III
EmS No.: 8-15
MFAG TABLE No.: 760, 4.3

ICAO/IATA UN No.: 3265
ICAO/IATA CLASS 8
ICAO/IATA PACK GR.: III

15. REGULATORY INFORMATION

LABEL FOR SUPPLY



C - Corrosive

R -PHRASE(S)

R38 - Irritating to skin R41 - Risk of serious damage to eyes

SAFETY PHRASES:

S39 Wear eye and face protection.

S36 Wear suitable protective clothing.

S24/25 Avoid contact with skin and eyes.

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

Text of R phrases mentioned in Section 3

R38 - Irritating to skin

R41 - Risk of serious damage to eyes

REVISION DATE: 08/25/2010

CS-60 (UK)

REVISION NUMBER: 4
SUPERCEDES: REV. 1 DATE: 08/21/2008
Revision Comments Re-issued due to change in Company address.

PREPARED BY: EH&S DEPARTMENT

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