



SAFETY DATA SHEET RAMROD

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME RAMROD

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2 HAZARDS IDENTIFICATION

Causes severe burns.

CLASSIFICATION C;R35.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
SULPHURIC ACID ...%	231-639-5	7664-93-9	60-100%	C;R35

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

INHALATION

Irritating to respiratory system. Move the exposed person to fresh air at once. Seek medical attention.

INGESTION

Harmful if swallowed. DO NOT INDUCE VOMITING! Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention if any discomfort continues.

SKIN CONTACT

Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention promptly if symptoms occur after washing. Irritating to skin.

EYE CONTACT

Irritating to eyes. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Contact physician if irritation persists.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

UNUSUAL FIRE & EXPLOSION HAZARDS

Burning produces irritating, toxic and obnoxious fumes.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Ensure adequate ventilation of the working area.

ENVIRONMENTAL PRECAUTIONS

Avoid discharge into drains.

RAMROD

SPILL CLEAN UP METHODS

Clean and wipe away spillages area thoroughly with plenty of water. Transfer to suitable, labelled containers for disposal. Sweep up.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid contact with skin and eyes. Ensure adequate ventilation of the working area.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep containers tightly closed.

STORAGE CLASS

Corrosive storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Provide eyewash, quick drench.

ENGINEERING MEASURES

Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of vapours.

RESPIRATORY EQUIPMENT

No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

EYE PROTECTION

If risk of splashing, wear safety goggles or face shield.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid		
ODOUR	Odourless		
SOLUBILITY	Miscible in all proportions.		
BOILING POINT (°C)	110	RELATIVE DENSITY	1.84
pH-VALUE, CONC. SOLUTION	less than 1	FLASH POINT (°C)	110
FLAMMABILITY LIMIT - LOWER(%)	Not flammable		

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time. Avoid contact with acids.

MATERIALS TO AVOID

Oxidising agents

HAZARDOUS DECOMPOSITION PRODUCTS

Fire or high temperatures create: Hydrogen chloride (HCl).

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11 TOXICOLOGICAL INFORMATION

INHALATION

May cause damage to mucous membranes in nose, throat, lungs and bronchial system.

INGESTION

May cause burns in mucous membranes, throat, oesophagus and stomach.

SKIN CONTACT

May cause serious chemical burns of the skin.

EYE CONTACT

Causes burns.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Not regarded as dangerous for the environment.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION



UK ROAD CLASS	8		
PROPER SHIPPING NAME	SULPHURIC ACID WITH MORE THAN 51% ACID		
UN NO. ROAD	1830	UK ROAD PACK GR.	II
ADR CLASS NO.	8	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	II	HAZARD No. (ADR)	80
ADR LABEL NO.	8	HAZCHEM CODE	2P
CEFIC TEC(R) NO.	80GC1-II+III	RID CLASS NO.	8
RID PACK GROUP	II	UN NO. SEA	1830
IMDG CLASS	8	IMDG PAGE NO.	8183
IMDG PACK GR.	II	EMS	F-A, S-B
MFAG	See Guide	MARINE POLLUTANT	No.
UN NO. AIR	1830	AIR CLASS	8
AIR PACK GR.	II		

15 REGULATORY INFORMATION

LABELLING



Corrosive

CONTAINS

SULPHURIC ACID 100%

RISK PHRASES

R35 Causes severe burns.

SAFETY PHRASES

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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- S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
- S45 In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
- S60 This material and its container must be disposed of as hazardous waste.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

GUIDANCE NOTES

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

16 OTHER INFORMATION

REVISION DATE 06/03/2009

REV. NO./REPL. SDS GENERATED 1

SDS NO. 10094

RISK PHRASES IN FULL

R35 Causes severe burns.