



SAFETY DATA SHEET

HYDROCHLORIC ACID 10%

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY:

PRODUCT NAME: HYDROCHLORIC ACID 10%
PART No.: M054
SUPPLIER: J M Loveridge plc
Southbrook Road, Southampton
Hampshire
SO15 1BH
Tel: 023 8022 2008
Fax: 023 8022 2117

2. COMPOSITION/INFORMATION ON INGREDIENTS:

NAME			CONTENT
CAS No.:	EINECS Nr.:	CLASSIFICATION	
HYDROCHLORIC ACID			5-10 %
7647-01-0	231-595-7	C R-34, 37	

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

3. HAZARDS IDENTIFICATION:

Irritating to eyes, respiratory system and skin.

4. FIRST AID MEASURES:

GENERAL: IN ALL CASES OF DOUBT OR WHEN SYMPTOMS PERSIST, ALWAYS SEEK MEDICAL ATTENTION

INHALATION: Move affected person to fresh air.If recovery not rapid, seek medical attention.

INGESTION: DO NOT INDUCE VOMITING. In case of spontaneous vomiting, be sure that vomit can freely drain because of danger of suffocation. Only when conscious, rinse mouth with plenty of water and give plenty of water to drink - (approx 500ml). Keep patient at rest and obtain medical attention.

SKIN: Remove contaminated clothing. Wash affected area with plenty of soap and water. If symptoms occur or persist, obtain medical attention.

EYES: Keeping eye open, immediately irrigate with water or eye-wash for 15 minutes. Obtain medical attention.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA:	Use extinguishing media appropriate for surrounding fire.
UNUSUAL FIRE & EXPLOSION HAZARDS:	Thermal decomposition may liberate toxic and corrosive vapour - hydrogen chloride.
PROTECTIVE MEASURES IN FIRE:	Fire fighters should wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTION IN SPILL:	Avoid direct contact with skin, eyes and clothing.
PRECAUTIONS TO PROTECT ENVIRONMENT:	Prevent contamination of soil, drains and surface water.
SPILL CLEANUP METHODS:	Take-up spillage with absorbent, inert material and place in a suitable and closable labelled container for recovery or disposal. Wash the area clean with water and detergent, observing environmental requirements.

7. HANDLING AND STORAGE:

USAGE PRECAUTIONS:	HANDLING - Product should be used in accordance with good industrial principles for handling and storing of hazardous chemicals. Avoid contact with skin or eyes.
STORAGE PRECAUTIONS:	Store in a cool, dry, well ventilated place, in securely closed original container. Keep container tightly closed and in cool place.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT NAME:	CAS No.:	STD	LT EXP 8 Hrs	ST EXP 15 Min
HYDROCHLORIC ACID	7647-01-0	OES	1 ppm	5 ppm

VENTILATION:	Ensure adequate ventilation.
PROTECTIVE GLOVES:	Use protective gloves.
EYE PROTECTION:	Use approved safety goggles or face shield.
OTHER PROTECTION:	Wear appropriate clothing to prevent any possibility of skin contact.
HYGIENIC WORK PRACTICES:	SKIN PROTECTION - apply barrier cream to hands and exposed skin. Promptly remove any clothing that becomes contaminated.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	Colourless liquid.
ODOUR/TASTE:	Slightly pungent odour.
DENSITY/SPECIFIC GRAVITY (g/ml):	~ 1.04 - 1.05
SOLUBILITY DESCRIPTION:	Miscible with water in all proportions.
	Temperature (°C):

10. STABILITY AND REACTIVITY:

STABILITY:	Stable under normal conditions of use.
MATERIALS TO AVOID:	Reacts violently if added to solid Potassium permanganate or Sodium metal. Reacts vigorously with alkalis.
HAZARDOUS DECOMP. PRODUCTS:	Hydrogen chloride.

11. TOXICOLOGICAL INFORMATION:

HEALTH HAZARDS, GENERAL:	High vapour concentration may cause irritation to eyes and mucous membranes.
INGESTION:	If ingested, will cause internal irritation.
SKIN:	Liquid causes severe irritation and burns on prolonged contact.
EYES:	Irritating to eyes.

12. ECOLOGICAL INFORMATION:

ECOLOGICAL INFORMATION:	No specific data or information available regarding environmental impact. Discharge to aquatic environments should be avoided as it may lead to localised adverse effects. Harmful effect due to pH shift.
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13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS:	This material and/or its container must be disposed of as hazardous waste according to Special Waste Regulations 1996 or according to local regulations, in compliance with Duty of Care Regulations and Special Waste Regulations.
WASTE CLASS:	WASTE CODE: 0705** HAZARDOUS PROPERTY: H4

14. TRANSPORT INFORMATION:

UK ROAD PACK GR.:	III
ADR CLASS No.:	8
ADR CLASS:	Class 8: Corrosive substances.
ADR ITEM No.:	5°(c)
HAZARD No. (ADR):	80 Corrosive or slightly corrosive substance.
ADR MARGINAL:	2801
ADR LABEL No.:	8

HAZCHEM CODE: 2R
PROPER SHIPPING NAME I: HYDROCHLORIC ACID
UN No. SEA: UN 1789
IMDG CLASS: 8
IMDG PAGE No.: 8183
IMDG PACK GR.: III
UN No., AIR: UN-ID 1789
ICAO CLASS: 8
AIR PACK GR.: III

15. REGULATORY INFORMATION:

LABEL FOR SUPPLY:



RISK PHRASES: R-36/37/38 Irritating to eyes, respiratory system and skin.
SAFETY PHRASES: S-2 Keep out of reach of children.
S-24/25 Avoid contact with skin and eyes.
S-26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S-46 If swallowed seek medical advice immediately and show this container label.
UK REGULATORY REFERENCES: Chemicals (Hazard Information & Packaging) Regulations 1993. Classification, Packaging and Labelling Regulations 1984.

16. OTHER INFORMATION:

INFORMATION SOURCES: This product has been classified in accordance with CHIP3 regulations.
REVISION COMMENTS: Edition 01; Revised item(s):
ISSUED BY: MK
SDS No.: M067
DATE: 12/07/02
DISCLAIMER: The foregoing data has been compiled for safety information only and does not form part of any selling specification. Information contained in this Data Sheet is to the best of JMLs knowledge correct at the time of publication. Customers should always satisfy themselves, that the product which they have selected is entirely suitable for their purpose under their conditions of use and in compliance with current regulations. For any further information, please contact the supplier.
R-PHRASES (Full Text): R-34 Causes burns. R-37 Irritating to respiratory system.
