

REVISION DATE: 17th November 2008



SAFETY DATA SHEET
Acetic Acid

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

PRODUCT NAME Acetic Acid
 SYNONYMS, TRADE NAMES Vinegar Acid, , Ethanoic Acid, , Methane Carboxylic Acid,
 SUPPLIER Lindchem T/A Abbey Chemicals
 27 - 30 North River Road
 Great Yarmouth
 Norfolk
 NR30 1SH

Emergency Contact Number (Office Hours) +44 1493 850303
 SDS No. A013

2 HAZARDS IDENTIFICATION

Flammable. Causes severe burns.

CLASSIFICATION C;R35. R10.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
ACETIC ACID ...%	200-580-7	64-19-7	50-100%	R10 C;R35

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

4 FIRST-AID MEASURES

INHALATION

Remove victim immediately from source of exposure. Get medical attention.

INGESTION

Provide rest, warmth and fresh air. Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention.

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

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SPECIFIC HAZARDS

Acetic acid. Oxides of: Carbon.

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.

ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS

Absorb with inert, damp, non-combustible material, then flush area with water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid contact with skin and eyes. Keep away from heat, sparks and open flame. Provide good ventilation.

STORAGE PRECAUTIONS

Keep containers tightly closed. Keep in original container. Keep away from heat, sparks and open flame. Ground container and transfer equipment to eliminate static electric sparks.

STORAGE CLASS

Flammable liquid storage. Corrosive storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Provide eyewash station and safety shower.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided.

HAND PROTECTION

Butyl rubber gloves are recommended.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Wear rubber apron. Wear rubber footwear.

HYGIENE MEASURES

Wash hands after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE

Liquid

COLOUR

Colourless

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ODOUR	Strong. Pungent		
SOLUBILITY	Soluble in water		
BOILING POINT (°C)	117.9	MELTING POINT (°C)	16.6
RELATIVE DENSITY	1.05 20	VAPOUR DENSITY (air=1)	2.1
VAPOUR PRESSURE	0.202 kPa	EVAPORATION RATE	1.34
VISCOSITY	1.17 cSt @ 20°C	FLASH POINT (°C)	39 P/M Pensky-Martens.
AUTO IGNITION TEMPERATURE (°C)	463	FLAMMABILITY LIMIT - LOWER(%)	4
FLAMMABILITY LIMIT - UPPER(%)	16		

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition.

MATERIALS TO AVOID

Strong alkalis. Strong oxidising substances. Strong reducing agents. Chemically active metals. Alcohols, glycols.

HAZARDOUS DECOMPOSITION PRODUCTS

Acetic acid. Oxides of: Carbon.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 3310 mg/kg (oral rat)

TOXIC CONC. - LC 50 11.4 mg/l/4h (inh-rat)

INHALATION

Vapours may irritate the respiratory system and cause coughing, asthmatic breathing and breathlessness.

INGESTION

Swallowing concentrated chemical may cause severe internal injury.

SKIN CONTACT

Causes burns. May cause serious chemical burns of the skin.

EYE CONTACT

Causes burns. Risk of serious damage to eyes.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product is mildly toxic to aquatic organisms.

LC 50, 96 Hrs, FISH mg/l 75

MOBILITY

The product is soluble in water.

BIOACCUMULATION

The product does not contain any substances expected to be bioaccumulating.

DEGRADABILITY

The product is easily biodegradable.

COD 1.07

13 DISPOSAL CONSIDERATIONS

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GENERAL INFORMATION

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.
Do not puncture or incinerate even when empty.

DISPOSAL METHODS

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

14 TRANSPORT INFORMATION



UK ROAD CLASS	8			
PROPER SHIPPING NAME	ACETIC ACID, GLACIAL or ACETIC ACID SOLUTION			
UN	2789	NO.	UK ROAD PACK GR.	ROAD
ADR CLASS NO.	8		ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	II		HAZARD No. (ADR)	83
ADR LABEL NO.	8 & 3		HAZCHEM CODE	2P
CEFIC TEC(R) NO.	80GCF1-II		RID CLASS NO.	8
RID PACK GROUP	II		UN NO. SEA	2789
IMDG	8		IMDG PACK GR.	CLASS
EMS	F-E, S-C		MFAG	See Guide
MARINE POLLUTANT	No.		UN NO. AIR	2789
AIR CLASS	8		AIR SUB CLASS	3
AIR PACK GR.	II			

15 REGULATORY INFORMATION

LABELLING



Corrosive

CONTAINS ACETIC ACID 95%

RISK PHRASES

R10 Flammable.
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.
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).
S51 Use only in well-ventilated areas.
S60 This material and its container must be disposed of as hazardous waste.

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STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

APPROVED CODE OF PRACTICE

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

GUIDANCE NOTES

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

16 OTHER INFORMATION

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REV. NO./REPL. SDS GENERATED 05

SDS NO. A013

SAFETY DATA SHEET STATUS

Approved.

DATE 14th May 2007

SIGNATURE Jitendra Panchal

SIGNATURE 2 Gillian Sutton

RISK PHRASES IN FULL

R10 Flammable.

R35 Causes severe burns.