

REVISION DATE: 14th November 2007

## OXALIC ACID MSDS

### Oxalic Acid

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

PRODUCT NAME                    Oxalic Acid

SUPPLIER                         Abbey Chemicals  
 27-30 North River Road  
 Great Yarmouth  
 Norfolk  
 NR30 1SH  
 Tel: +44 1493 850303  
 Fax: +44 1493 330909  
 www.abbey-chemicals.co.uk

SDS No.                            O002

Emergency Contact Number (Office Hours)    +441493 850303

#### 2 HAZARDS IDENTIFICATION

Harmful in contact with skin and if swallowed.

CLASSIFICATION                 Xn;R21/22.

#### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
OXALIC ACID	205-634-3	144-62-7	50-100%	Xn;R21/22

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

#### 4 FIRST-AID MEASURES

##### INHALATION

Move the exposed person to fresh air at once. 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 immediately.

##### 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 immediately. Continue to rinse.

#### 5 FIRE-FIGHTING MEASURES

##### EXTINGUISHING MEDIA

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

##### SPECIFIC HAZARDS

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

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## PERSONAL PRECAUTIONS

Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of dust. Provide adequate ventilation. Avoid contact with eyes and prolonged skin contact.

## 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 spilling, skin and eye contact. Provide good ventilation.

## STORAGE PRECAUTIONS

Keep containers tightly closed. Keep in original container.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
OXALIC ACID	WEL		1 mg/m3		2 mg/m3

## PROTECTIVE EQUIPMENT



## RESPIRATORY EQUIPMENT

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

## HAND PROTECTION

Nitrile gloves are recommended.

## EYE PROTECTION

Goggles/face shield are recommended.

## OTHER PROTECTION

Wear rubber apron. Wear rubber footwear.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Solid Powder, dust Granular		
COLOUR	White		
ODOUR	Odourless		
SOLUBILITY	Soluble in water Soluble in Ethanol.		
MELTING POINT (°C)	~101.5	RELATIVE DENSITY	1.65 20
BULK DENSITY	800 - 900 kg/m3	pH-VALUE, DILUTED SOLUTION	1.5 1
PARTITION COEFFICIENT (N-Octanol/Water)	-0.81		

## 10 STABILITY AND REACTIVITY

## STABILITY

Stable under normal temperature conditions and recommended use.

## CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time.

## MATERIALS TO AVOID

Strong oxidising substances.

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## HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of: Carbon.

## 11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50                      7500 mg/kg (oral rat)

## INHALATION

Vapours irritate the respiratory system, and may cause coughing and difficulties in breathing.

## INGESTION

Harmful if swallowed.

## SKIN CONTACT

Harmful in contact with skin.

## EYE CONTACT

Irritating to eyes.

## 12 ECOLOGICAL INFORMATION

EC 50, 48 Hrs, DAPHNIA, mg/l              137

IC 50, 72 Hrs, ALGAE, mg/l                  1550

## MOBILITY

The product is soluble in water.

COD    180

## 13 DISPOSAL CONSIDERATIONS

## GENERAL INFORMATION

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

## DISPOSAL METHODS

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

## 14 TRANSPORT INFORMATION

GENERAL    Not regulated.

## 15 REGULATORY INFORMATION

## LABELLING



Harmful

CONTAINS    OXALIC ACID

## RISK PHRASES

R21/22    Harmful in contact with skin and if swallowed.

## SAFETY PHRASES

S24/25    Avoid contact with skin and eyes.

## 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.

## GUIDANCE NOTES

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

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**16 OTHER INFORMATION**

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REV. NO./REPL. SDS GENERATED 05  
SDS NO. O002  
SAFETY DATA SHEET STATUS  
Approved.  
DATE 14th November 2007  
SIGNATURE Thomas Tailford  
RISK PHRASES IN FULL  
R21/22 Harmful in contact with skin and if swallowed.