



SAFETY DATA SHEET

ASCORBIC ACID

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

PRODUCT NAME:	ASCORBIC ACID
CHEMICAL NAME 2:	L(+)-ASCORBIC ACID
PART No.:	RM026
SUPPLIER:	J M Loveridge plc Southbrook Road, Southampton Hampshire SO15 1BH Tel: 023 8022 2008 Fax: 023 8022 2117

2. COMPOSITION/INFORMATION ON INGREDIENTS:

EEC (EINECS) No.	200-066-2
CAS No.:	50-81-7

3. HAZARDS IDENTIFICATION:

Not regarded as a health hazard under current legislation.

4. FIRST AID MEASURES:

GENERAL:	IN ALL CASES OF DOUBT OR WHEN SYMPTOMS PERSIST, ALWAYS SEEK MEDICAL ATTENTION
INHALATION:	May cause transient respiratory tract irritation at high exposure levels. 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).
SKIN:	Wash affected area with plenty of soap and water.
EYES:	Rinse immediately with plenty of water for at least 5 minutes while lifting the eye lids. Seek medical attention. Continue to rinse.

5. FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA:	Use extinguishing media suitable against surrounding fire or the cause of fire.
HAZARDOUS COMBUSTION PRODUCTS:	Burning may release oxides of carbon and other hazardous gases or vapours.

6. ACCIDENTAL RELEASE MEASURES:

PERSONAL PRECAUTION IN SPILL:	Wear appropriate protective clothing.
PRECAUTIONS TO PROTECT ENVIRONMENT:	Prevent contamination of soil, drains and surface water.
SPILL CLEANUP METHODS:	Vacuum or wet-sweep and place into a suitable closable, labelled container for disposal. Wash the area clean with water and detergent, observing environmental requirements.

7. HANDLING AND STORAGE:

USAGE PRECAUTIONS:	Ensure good ventilation and local exhaust extraction in work place. Avoid breathing dust.
STORAGE PRECAUTIONS:	Store in a cool, dry, well ventilated place, in securely closed original container.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION:

INGREDIENT COMMENTS:	No specific OES assigned, however for dusts of any kind, ensure LTEL (8-hour TWA ref. period) level does not exceed 10 mg.m3 for total inhalable dust or 4 mg.m3 for respirable dust (or) as recommended in current edition of EH40.
VENTILATION:	Provide adequate general and local exhaust ventilation.
RESPIRATORS:	If unable to control dust emissions below OES limits, an approved dust protection to P2 level of protection is recommended.
PROTECTIVE GLOVES:	Use protective gloves.
EYE PROTECTION:	Use eye protection.
HYGIENIC WORK PRACTICES:	SKIN PROTECTION - apply barrier cream to hands and exposed skin. Regularly vacuum dust to minimise the potential of air-borne exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES:

APPEARANCE:	White crystalline powder.
ODOUR/TASTE:	Odourless or no characteristic odour.
MELT/FREEZ. POINT (°C, interval):	~ 190
pH-VALUE, DILUTED SOLUTION:	~ 2.3 (5% aqueous soln) Concentration % M:
SOLUBILITY DESCRIPTION:	Soluble in water. Slightly soluble in: Alcohol. Insoluble in: Ether. Chloroform.

10. STABILITY AND REACTIVITY:

STABILITY:	Stable under normal conditions of use.
CONDITIONS TO AVOID:	Avoid prolonged exposure to light.
MATERIALS TO AVOID:	Oxidising agents.

11. TOXICOLOGICAL INFORMATION:

TOXIC DOSE - LD 50:	11900 mg/kg (oral rat)
TOXICOLOGICAL INFORMATION:	Chronic ingestion of large doses may cause gastro-intestinal disturbances including nausea, diarrhoea and urinary effects.
HEALTH HAZARDS, GENERAL:	May cause irritation to eyes, skin, and mucous membranes.

12. ECOLOGICAL INFORMATION:

MOBILITY:	Soluble in water.
DEGRADABILITY:	Readily biodegradable.

13. DISPOSAL CONSIDERATIONS:

DISPOSAL METHODS:	Via authorised/licenced waste disposal contractor to an approved waste disposal site, observing all local and national regulations.
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14. TRANSPORT INFORMATION:

GENERAL:	Not classified as hazardous for transport.
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15. REGULATORY INFORMATION:

RISK PHRASES:	Not classified.
SAFETY PHRASES:	Not classified.

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.:	039
DATE:	12/07/02
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