



SAFETY DATA SHEET
MANGANESE NO 1 TABLET

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

PRODUCT NAME MANGANESE NO 1 TABLET
X-173
APPLICATION TESTING WATER
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2 HAZARDS IDENTIFICATION

Irritating to respiratory system. Causes burns.

CLASSIFICATION C;R34. Xi;R37.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
POTASSIUM HYDROGENSULPHATE	231-594-1	7646-93-7	10-30%	C;R34 Xi;R37
POTASSIUM TETRAOXOIODATE(VII)	232-196-0	7790-21-8	1-5%	O;R8.
SODIUM HYDROGEN CARBONATE	205-633-8	144-55-8	1-5%	Xi;R36.

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

4 FIRST-AID MEASURES

INHALATION

Unlikely route of exposure as the product does not contain volatile substances.

INGESTION

Get medical attention immediately!

SKIN CONTACT

Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists:
Continue flushing during transport to hospital. Bring these instructions.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Use fire-extinguishing media appropriate for surrounding materials.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of dust.

ENVIRONMENTAL PRECAUTIONS

Not relevant considering the small amounts used.

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SPILL CLEAN UP METHODS

Avoid generation and spreading of dust. Collect in containers and seal securely. Remove containers and flush area with water. Containers with collected spillage must be properly labelled with correct contents and hazard symbol.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Read and follow manufacturer's recommendations. Avoid inhalation of dust and contact with skin and eyes. Avoid handling which leads to dust formation.

STORAGE PRECAUTIONS

Keep in original container. Store in a cool and well-ventilated place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT



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

Wear approved chemical safety goggles where eye exposure is reasonably probable.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Solid
COLOUR	White
ODOUR	Odourless
SOLUBILITY	Soluble in water

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use.

11 TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION

No information available.

INHALATION

Dust may irritate respiratory system or lungs.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

Causes burns.

EYE CONTACT

Causes burns.

ROUTE OF ENTRY

Skin and/or eye contact. Ingestion. Inhalation.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

There are no data on the ecotoxicity of this product. The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

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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	POTASSIUM HYDROGEN SULPHATE		
UN NO. ROAD	2509	UK ROAD PACK GR.	II
ADR CLASS NO.	8	ADR CLASS	Class 8: Corrosive substances.
ADR PACK GROUP	II	TUNNEL RESTRICTION CODE	(E)
HAZARD No. (ADR)	80	ADR LABEL NO.	8
HAZCHEM CODE	2X	CEFIC TEC(R) NO.	80GC2-II+III
RID CLASS NO.	8	RID PACK GROUP	II
UN NO. SEA	2509	IMDG CLASS	8
IMDG PACK GR.	II	EMS	F-A, S-B
UN NO. AIR	2509	AIR CLASS	8
AIR PACK GR.	II		

15 REGULATORY INFORMATION

LABELLING



Corrosive

CONTAINS	POTASSIUM HYDROGENSULPHATE
	POTASSIUM TETRAOXOIODATE(VII)
	SODIUM HYDROGEN CARBONATE

RISK PHRASES

R34	Causes burns.
R37	Irritating to respiratory system.

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.

16 OTHER INFORMATION

REV. NO./REPL. SDS GENERATED	Version 1
SAFETY DATA SHEET STATUS	Approved.
DATE	27 April 2010
SIGNATURE	D Ellis

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RISK PHRASES IN FULL

R34	Causes burns.
R36	Irritating to eyes.
R37	Irritating to respiratory system.
R8	Contact with combustible material may cause fire.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.