

MATERIAL SAFETY DATA SHEET	No: MSDS 02 DEMINERALISED WATER Date Issued : 02.02.2010 Pages : 1 of 4
COMPANY DETAILS	
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MATERIAL SAFETY DATA SHEET

DEMINERALISED WATER

1. PRODUCTION IDENTIFICATION

TRADE NAME	:	Demineralised water.
CHEMICAL NAME	:	Water
SYNONYMS	:	Hydrogen Oxide Dihydrogen Oxide
CHEMICAL ABSTRACT NO.	:	7732-18-5
HAZCHEM CODE.	:	None

2. COMPOSITION

WATER	:	100%
R. PHRASES	:	None

3. HAZARD IDENTIFICATION

MAIN HAZARD	:	Expected to be non-hazardous.
FLAMMABILITY	:	Non flammable
CHEMICAL HAZARD	:	None
BIOLOGICAL HAZARD	:	None
REPRODUCTION HAZARD	:	None

HEALTH EFFECTS

EYES	:	Non irritating.
SKIN	:	Non irritating
INGESTION	:	No hazard expected.
INHALATION	:	No hazard expected.

4. FIRST AID MEASURES

EYES	:	If irritation develops, get medical aid.
SKIN	:	Get Medical aid if irritation develops or persists.
INGEST	:	Get Medical aid for irritation or symptoms occur.
INHALATION	:	Get Medical aid if cough or symptoms occur.
NOTES TO PHYSICIAN	:	Treat symptomatically and supportively.

5. FIRE FIGHTING MEASURES

GENERAL INFORMATION	:	Material will not burn.
EXTINGUISHING MEDIA	:	Substance is non combustible, use agent most appropriate to extinguishing surrounding fire.

6. ACCIDENTAL RELEASE MEASURES

Non-hazardous material. Clean up of spills requires no special equipment or procedures.

7. HANDLING AND STORAGE

SUITABLE MATERIAL HANDLING/ STORAGE PRECAUTIONS	:	Keep container tightly closed. Suitable for any general chemical storage area. Protect from freezing. Water is considered a non-regulated product, but may react vigorously with some specific materials. Avoid contact with all materials until investigation shows substance is compatible.
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMIT	:	None listed.
ENGINEERING CONTROL	:	No special ventilation requirements.
RESPIRATORY PROTECTION	:	Not normally required.
EYE AND FACE PROTECTION	:	Not normally required.
HAND, ARM AND BODY PROTECTION	:	Not normally required.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	:	Clear, colourless liquid.
ODOUR	:	Odourless.
pH	:	7.0
BOILING POINT	:	100°C
MELTING POINT	:	0°C
FLASH POINT	:	N/A
FLAMMABILITY	:	Non Flammable
AUTO FLAMMABILITY	:	N/A
OXIDISING PROPERTIES	:	N/A
VAPOUR PRESSURE	:	17.5 mm Hg at 20°C
DENSITY	:	1.00
MOLECULAR FORMULA	:	H ₂ O
MOLECULAR WEIGHT	:	20.14

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID	:	None reported.
INCOMPATIBLE MATERIALS	:	Strong acids, strong bases, water reactive substances, (e.g. acetic anhydride, alkyl aluminium chloride, calcium carbide, ethyl dichlorosilane) Strong reducing agents, acid chlorides, phosphorus trichloride, phosphorus pentachloride, phosphorus oxychloride.

HAZARDOUS DECOMPOSITION PRODUCTS: N/A

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY	:	Not anticipated.
CHRONIC TOXICITY	:	Not anticipated.
CARCINOGENICITY	:	Not anticipated.
MUTAGENICITY	:	Not known.
REPRODUCTIVE HAZARDS	:	Not known

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY	:	N/A
BIODEGRADABILITY	:	N/A

13. DISPOSAL INFORMATION

Whatever cannot be saved for recovery or recycling should be flushed to sewer. If material becomes Contaminated during use, dispose of accordingly. Dispose of in accordance with local requirements.

14. TRANSPORT INFORMATION

Not regulated.

15. REGULATORY INFORMATION

RISK PHRASES	:	None
SAFETY PHRASES	:	524/25

16. OTHER INFORMATION

NFPA RATINGS	:	Health 0 Flammability 0
LABEL HAZARD	:	None
