



HURST SCIENTIFIC

**Safety Data Sheet
EDTA Solution 0.1M**

SECTION 1: Identification

GHS Product identifier

Product name	EDTA Solution 0.1M
Product number	IMMOIL-500M, 1L, 2.5L, 5L, 10L
Brand	Hurstchem

Other means of identification

EDTA Solution 0.2N

Recommended use of the chemical and restrictions on use

Laboratory Reagent

Supplier's details

Name	Hurst Scientific
Address	2 Transit Place 6112 Forrestdale WA Australia
Telephone	1300 778 068
email	sales@hurstscientific.com.au

Emergency phone number

Australian Poisons Information Centre 131 126
Australian Emergency Services 000

SECTION 2: Hazard identification

General hazard statement

Classified as a Non Hazardous substance according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classification of the substance or mixture

GHS classification in accordance with: UN GHS revision 8

Not a hazardous substance or mixture.

GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

Other hazards which do not result in classification

Safety Data Sheet

EDTA Solution 0.1M

Not a hazardous substance or mixture.

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

1. Disodium dihydrogen ethylenediaminetetraacetate

Concentration	4 %
CAS no.	139-33-3

2. Water

Concentration	Balance
CAS no.	7732-18-5

SECTION 4: First-aid measures

Description of necessary first-aid measures

If inhaled	Remove from contaminated air. Maintain breathing with artificial respiration if necessary. Seek medical assistance.
In case of skin contact	If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water and follow by washing with soap if available.
In case of eye contact	If in eyes, hold eyes open, flood with water for at least 15 minutes. If symptoms persist transport to nearest medical facility for additional treatment.
If swallowed	If conscious wash out mouth with water. Seek medical advice.
Personal protective equipment for first-aid responders	Eye wash station, safety shower and First Aid kit.

SECTION 5: Fire-fighting measures

Suitable extinguishing media

Water spray. Carbon dioxide, dry chemical powder, or appropriate foam

Specific hazards arising from the chemical

Decomposition products include oxides of carbon and nitrogen.

Special protective actions for fire-fighters

Wear SCBA (Self-Contained Breathing Apparatus) and full protective equipment.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with spilled or released material. Shut off leaks, if possible without personal risks. Isolate hazard area and deny entry to unnecessary or unprotected personnel. Ventilate contaminated area thoroughly.

Environmental precautions

Use appropriate containment to avoid environmental contamination. Prevent from spreading and entering waterway using sand, earth or other appropriate barriers. Attempt to disperse the vapour or to direct its flow to a safe location for example by using fog sprays. Ventilate contaminated area thoroughly.

Safety Data Sheet

EDTA Solution 0.1M

Methods and materials for containment and cleaning up

Use appropriate instruments to put the spilled material in a waste disposal container. Dispose of in accordance with regional regulations.

SECTION 7: Handling and storage

Precautions for safe handling

Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure

Conditions for safe storage, including any incompatibilities

Store sealed in original container in a cool well ventilated situation away from foods and other chemicals. Do not store in direct sunlight. Observe good hygiene and housekeeping practices.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls

Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Safety glasses or goggles.

Skin protection

Use gloves.

Environmental exposure controls

Biological Limit Values Not allocated for this product.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Color	Clear
Odor	Nil
Melting point/freezing point	Not applicable
Boiling point or initial boiling point and boiling range	Not applicable
Flammability	Not flammable
Flash point	Not flammable
pH	6
Solubility	Soluble
Vapor pressure	Not applicable
Density and/or relative density	1

SECTION 10: Stability and reactivity

Chemical stability

Stable under normal conditions of use.

Possibility of hazardous reactions

Hazardous polymerization will not occur.

Conditions to avoid

Excessive heat. Sunlight

Incompatible materials

Nil

Safety Data Sheet
EDTA Solution 0.1M

Hazardous decomposition products
Oxides of carbon and nitrogen.

Water: In the event of fire: see section 5

SECTION 11: Toxicological information

Information on toxicological effects

Skin corrosion/irritation
May irritate skin tissue.

Serious eye damage/irritation
May irritate skin tissue.

Respiratory or skin sensitization
May cause irritation of the gastric system. LD50 oral rat 2000mg/kg.

Germ cell mutagenicity
Not classified

Carcinogenicity
Not classified

Reproductive toxicity
Not classified

SECTION 12: Ecological information

Toxicity
Data not available

Persistence and degradability
Data not available

Bioaccumulative potential
Data not available

SECTION 13: Disposal considerations

Disposal methods

Product disposal
Ensure waste disposal conforms to local waste disposal regulations.

Packaging disposal
Ensure waste disposal conforms to local waste disposal regulations.

SECTION 14: Transport information

UN Number	None
UN Proper Shipping Name	None
Transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None
Transport in bulk according to IMO instruments	None

SECTION 15: Regulatory information

SECTION 16: Other information

Further information/disclaimer

This SDS is prepared in accordance with the Safe Work Australia, Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, (2011). The information contained within is believed to be accurate at the date of preparation/review. Hurst Scientific makes no claims of the accuracy or completeness of the information and excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. It is recommended the user make their own determinations as to the suitability of the information provided to the application in which the product is to be used.

Copyright © 2024 Hurst Scientific

Preparation information

References

1. Safe Work Australia, Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, (2011).
2. Safe Work Australia, National Code of Practice for the Labelling of Workplace Hazardous Chemicals (2015).
3. Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants (2013)
4. National Transport Commission Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code); Canprint: Canberra (2007), Volume 1, 7th Edition.
5. Standards Australia, Dangerous Goods Initial Emergency Response Guide: Australian Handbook (SAA/SNZ HB76); Homebush (2004).