

Trafalgar Chemicals - Safety Data Sheet

1016-CO

(in accordance with regulation (EU) 2015/830 and regulation (EC) 1272/2008)

Revision: 1.2

Revision date:

16 April 2021

Date printed:

18 September 2025

Section 1. Identification

1.1 Product Identifier 1016-CO

Product Name	E.D.T.A DISODIUM SALT 2H ₂ O pure 500g.
CAS Number	6381-92-6
REACH Registration No	A registration number is not available as the substance or its uses are exempt, the annual tonnage does not require a registration or the registration is envisaged for a later date.
Molecular Formula	$[\text{CH}_2\text{N}(\text{CH}_2\text{COOH})\text{CH}_2\text{COONa}]_2 \cdot 2\text{H}_2\text{O} = 372.24$

1.2 Relevant identified uses of the substance or mixture & uses advised against

Uses of Material	Chemical for industrial and laboratory use. Not suitable for domestic use.
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1.3 Supplier Trafalgar Chemicals



Trafalgar Scientific Ltd.
190 Waterside Road
Leicester
Leicestershire
LE5 1QZ
UNITED KINGDOM

Phone	0116 2879460
Email	info@trafalgarscientific.co.uk
Website	www.trafalgarscientific.co.uk

1.4 Emergency Telephone (08:00-17:00) +44(0) 116 2879460 (24hr) 112 (Have this document to hand)

Section 2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to regulation (EC) 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720 & UK SI 2020/1567

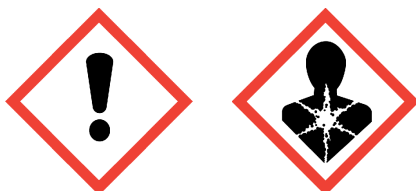
Acute toxicity, category 4 (inhalation)	H332: Harmful if inhaled.
Spec target organ tox - repeat, category 2	H373: May cause damage to organs through prolonged or repeated exposure.

2.2 Label elements

Labelling according to regulation (EC) 1272/2008 as amended by GB-CLP Regulation, UK SI 2019/720 & UK SI 2020/1567

Signal word	Warning
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Hazard Pictograms



Hazard Statements	Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure.
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Section 3. Composition

3.1 Substances

Component	CAS No.	EC No.	REACH No.	Conc w/w	CLP Classification (1272/2008/CE)
1,2-diaminoethane- N,N,N',N'-tetracetic acid disodium salt	6381-92-6	205-358-3		<=100%	Acute Tox. 4 (I),STOT RE 2

Section 4. First Aid

4.1 Description of first aid measures

Eyes	Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If discomfort persists OBTAIN MEDICAL ATTENTION.
Skin	Wash off skin thoroughly with water.
Inhalation	Remove from exposure.
Ingestion	Wash out the patients mouth thoroughly with water. In severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION.
Personal protection for first aiders	Wear protective gloves / eye protection.

4.2 Most important symptoms and effects, both acute & delayed.

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed.

No further relevant information available.

Section 5. Fire Fighting

5.1 Extinguishing media

Extinguishing Media	Consider what other flammable materials are present and act accordingly.
Unsuitable Media	Nothing specified.

5.2 Special hazards arising from the substance or mixture

Hazards	May evolve toxic fumes if involved in a fire.
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5.3 Advice for firefighters

Advice for firefighters	Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus.
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Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Protection	Presents no major hazards.
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6.2 Environmental precautions

Enviromental	Notify the Environmental Agency and local Environmental Health Officer if major spillage occurs.
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6.3 Methods and material for containment and cleaning up

Major Spillage	Shovel/sweep up into container for removal Wash area down with copious amounts of water.
Minor Spillage	Wash area down with copious amounts of water.

6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

Section 7. Storage & Handling

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.
Ensure Local Exhaust Ventilation maintains dust concentrations to a minimum.

7.2 Conditions for safe storage, including any incompatibilities

Well ventilated, cool, dry storage .

7.3 Specific end use(s)

See section 1.2.

Section 8. Workplace Exposure & Personal Protection

8.1 Control parameters

Component	CAS No	Concentration	Workplace Exposure Limits	
			Long Term (8hr TWA)	Short Term 15min period
1,2-diaminoethane-N,N,N',N'-tetracetic acid disodium salt	6381-92-6	<=100%	-	-

Exposure data source(s) No hazardous components.

8.2 Exposure controls

Respiratory Protection If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.
Hand Protection Wear gloves.
Eye Protection Use tightly fitting chemical splash proof glasses or goggles.
Skin Protection Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.
Special Hazards No special precautions required.

Section 9. Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	White crystalline powder or granules.
Odour	No specific odour.
pH	5 @ 20°C solution.
Boiling Point	Not available
Melting Point	252 °C (Decomposition)
Flash Point	Not applicable
Upper Flammable Limit	Not applicable
Lower Flammable Limit	Not applicable
Auto Ignition	Not applicable
Explosive Properties	No.
Oxidising Properties	No.
Vapour Pressure	Not applicable
Relative Density	1.767
Water Solubility	108 g/L

9.2 Other information

No data available.

Section 10. Stability & Reactivity

10.1 Reactivity No data available.
10.2 Chemical Stability Stable under normal conditions
10.3 Possibility of hazardous reactions No data available.
10.4 Conditions to Avoid No specific conditions.

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|-------------|----------------------------------|---|
| 10.5 | Incompatible materials | Solutions react with aluminium, zinc, tin and their alloys evolving flammable hydrogen gas. |
| 10.6 | Hazardous Decomposition Products | Burning will produce toxic fumes of NOx, carbon monoxide and/or carbon dioxide. |

Section 11. Toxicological Information

11.1 Information on toxicological effects

Eyes	Contact with the solid or dust may be irritating to the eyes.
Skin	Prolonged or repeated exposure may cause irritation and dermatitis.
LD50 Skin	Not available
Ingestion	.Ingestion will cause burns to the gastrointestinal tract and large amounts may cause hypo-calcemic tetany, with spontaneous recovery, due to the chelating action of this material.
LD50 Oral	>2000mg/kg Rat
Inhalation	Inhalation of dust may produce irritation of the eyes, nose, throat and respiratory tract.
LD50 Inhalation	Not available
TCLo	Not available
Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	None identified.

Section 12. Ecological

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|-------------|----------------------------------|-----------------------------------|
| 12.1 | Toxicity | No specific environmental hazard. |
| | LC50 Algal | Not available |
| | LC50 Crustacea | Not available |
| | LC50 Fish | Not available |
| 12.2 | Persistence and degradability | No data available. |
| 12.3 | Bioaccumulative potential | No data available. |
| 12.4 | Mobility in soil | No data available. |
| 12.5 | Results of PBT & vPvB assessment | Assessment not required. |
| 12.6 | Other adverse effects | None known at present. |

Section 13. Disposal Considerations

13.1 Waste treatment methods

Disposal Methods	Dispose of to a licensed land fill site.
Contaminated Packaging	Wash out containers with water. Use a licensed waste disposer.

Section 14. Transport Information

14.1 UN Number	Non-restricted
14.2 Proper Shipping Name	Non-restricted
14.3 Transport classes	
UN classification	None
Subsidiary hazard(s)	None
Transport category	None
ADR Hazard ID	Non-restricted
Tunnel Restriction Code	Non-restricted
14.4 Packing Group	None
14.5 Environment hazards	See section 12.
14.6 Special precautions for user	No special precautions required.
14.7 Transport in bulk	Not transported in bulk.

Section 15. Regulatory Information

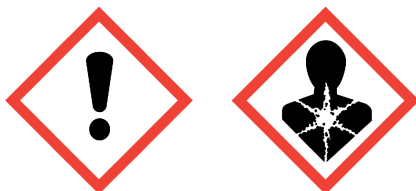
15.1 Safety, health and environment regulations specific for substance/mixture.

Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE) as amended by GB-CLP Regulation, UK SI 2019/720 & UK SI 2020/1567

Classification Acute toxicity, category 4 (inhalation); Spec target organ tox - repeat, category 2

Signal word Warning

Hazard Pictograms



Hazard Statements H332, H373
Harmful if inhaled. May cause damage to organs through prolonged or repeated exposure.

15.2 Chemical safety assessment

Assessment not required.

Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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