


Section 1: Identification

Common Name/Trade Name	EDETATE DISODIUM DIHYDRATE USP	
Supplier Information	Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693	IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours) NSW Poisons Information Centre: 131 126 (24 hours)
Distributor Name	Bella Corp Trading Pty Ltd 6/34 Dominions Road, Ashmore QLD 4214, Australia Telephone: 07 5597 4169 Email: bellacorp@bellacorp.com.au	
Product Synonym(s)	Disodium Ethylenediaminetetraacetic Acid, Disodium Salt Hydrate, Disodium Edetate	
Relevant Use(s) of Product	Manufacture or Compounding of Substances	

Section 2: Hazards Identification

Classification of Substance or Mixture	Acute Toxicity, inhalation: Category 4 Specific Target Organs Toxicity: Category 2	
Signal Word	Warning	
Hazard Statement(s)	H332 H373	Harmful if inhaled May cause damage to organs through prolonged or repeated exposure
Pictogram(s)		
Precautionary Statement(s)	P260 P261 P271 P304+P340 P312 P314 P501	Do not breathe dust/fume/gas/mist/vapours/spray. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. IF INHALED Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. Get Medical advice/attention if you feel unwell. Dispose of contents/container to an approved waste disposal plant.
Hazards Not Otherwise Classified	Potential for dust explosion may exist. Depending upon conditions, dusts may be sensitive to static discharge. Avoid possibility of dry powder with friction causing static electricity in presence of flammables.	
Ingredient(s) with Unknown Toxicity	No data available	

Section 3: Composition/Information on Ingredients

Chemical Name	Disodium EDTA
Common Name	Edetate disodium dihydrate
CAS Number	6381-92-6
Impurities and/or Stabilizing Additives	No data available

Section 4: First Aid Measures

General Advice	Get medical advice/attention if you feel unwell. Show this safety data sheet
If Inhaled	Remove victim to fresh air. If breathing becomes difficult, oxygen may be given, preferably under physician's advice. If breathing has stopped, give artificial respiration. Get medical attention.
In Case of Skin Contact	Remove contaminated clothing immediately. Wash with soap and plenty of water for at least 15 minutes. Do not attempt to neutralize with chemical agents. Wash clothing before reuse. Get medical attention if irritation occurs or persists.
In Case of Eye Contact	Flush eyes immediately with large quantities of water for at least 15 minutes. If victim wears contact lenses and if easy to do, remove them. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eye and lids with water. Do not let victim rub eyes. Do not attempt to neutralize with chemical agents. Oil or ointments should not be used as first aid. If eye irritation occurs, get medical attention.
If Swallowed	Give large amounts of water to drink. Do not induce vomiting. If vomiting occurs, keep head below hips to reduce risk of aspiration. Never give anything by mouth to an unconscious person. Get medical attention if health effect occurs.
Most Important Symptoms and Effects	No data available.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	Suitable extinguishing media: Water spray, carbon dioxide, dry chemical powder. Unsuitable extinguishing media: None known.
Special Hazards Arising From the Substance/Mixture	Toxic Gases Produced: Carbon monoxide, carbon dioxide and nitrogen oxides. When heated it emits smoke.
Special PPE and/or Precautions for Firefighters	Prevent human exposure to fire, smoke, fumes or products of combustion. Evacuate all non-essential personnel from the fire area. Use water spray to cool nearby container and structures exposed to fire. Firefighters should wear self-contained breathing apparatus. This product is not defined as flammable or combustible. However, potential for dust explosion may exist. Depending upon conditions, dusts may be sensitive to static discharge. Avoid possibility of dry powder with friction causing static electricity in presence of flammables.

Section 6: Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures	Keep unnecessary and unprotected people away from area of spill. Wear appropriate personal protective equipment. Safety, stop source of spill. Contain the spill to prevent spreading. Avoid inhalation of dust.
Methods and Materials Used for Containment	Confine spillage to avoid contamination of water bodies. Do not disperse waste in the environment or in drain.
Cleanup Procedures	With clean shovel, carefully place material into container and cover, remove from area. Flush spill area with water. Dispose of waste product in accordance with federal, provincial and local regulations.

Section 7: Handling and Storage

Precautions for Safe Handling	Use the product in accordance with good working practice. Avoid dust generation. Avoid inhalation and prolonged and/or repeated skin and eye contact. In certain concentrations the product may form an explosive dust-air mixture.
Conditions for Safe Storage	Suitable for general chemicals storage areas. Keep containers tightly closed and dry. Do not store in contact with strong oxidizing agents, aluminum, zinc, nickel, copper and copper alloys. Store in PVC, PE, stainless steel tanks. Store in a cool and dry place at ambient temperature.

Section 8: Exposure Controls/Personal Protection

Components with Workplace Control Parameters	None of the components have assigned exposure limits
Appropriate Engineering Controls	Special ventilation is usually not required under normal use conditions. Ensure that existing ventilation is sufficient to prevent the circulation and/or accumulation of dust in the air. Safety shower and eyewash fountain in work area.
PPE - Eye/Face Protection	Safety glasses or face shield.
PPE - Skin Protection	Impervious gloves and clothing.
PPE - Body Protection	Impervious gloves and clothing.
PPE - Respiratory Protection	Not required. However, if use conditions generate dust use a NIOSH approved respirator.

Section 9: Physical and Chemical Properties

Appearance	White Powder
Upper/Lower Flammability or Explosive Limits	No data available
Odor	Odorless
Vapor Pressure	No data available
Odor Threshold	No data available
Vapor Density	No data available
pH	4.5 (1% solution)
Relative Density	Apparent density 0.7g / cm ³
Melting Point/Freezing Point	110°C (loss of crystallization)
Solubility	Water: 100 g/L (20°C).
Initial Boiling Point and Boiling Range	No data available
Flash Point	Not applicable
Evaporation Rate	No data available
Flammability (Solid, Gas)	No data available
Partition Coefficient	No data available
Auto-Ignition Temperature	No data available
Decomposition Temperature	255°C
Viscosity	No data available

Section 10: Stability and Reactivity

Reactivity	None
Chemical Stability	Stable under recommended storage and handling conditions. Sensitivity to Impact or to Static Discharge has not been identified.
Possibility of Hazardous Reactions	Hazardous polymerization does not occur.
Conditions to Avoid	Strong oxidizing agents, aluminium, zinc, nickel, copper and copper alloys in combination with humidity/water. Avoid prolonged storage at elevated temperatures.
Incompatible Materials	Strong oxidizing agents, aluminium, zinc, nickel, copper and copper alloys in combination with humidity/water. Avoid prolonged storage at elevated temperatures.
Hazardous Decomposition Products	Under fire conditions may emit carbon monoxide, carbon dioxide and nitrogen oxides.

Section 11: Toxicological Information

Acute Toxicity - LD50 Oral	LD50 (oral, rat) EDTA Na2S = 2800 mg/kg. No known effects.
Acute Toxicity - Inhalation	LC50 (inhalation, rat) EDTANA2 = 1000 mg/kg. No known effects.
Acute Toxicity - Dermal	Not known effects.
Acute Toxicity - Eye	Slightly irritating to rabbit eyes.
Skin Corrosion/Irritation	May cause skin irritation
Serious Eye Damage/Irritation	Slightly irritating to rabbit eyes.
Respiratory or Skin Sensitization	Not known effects.
Germ Cell Mutagenicity	Non-mutagenic.
Carcinogenicity IARC	Not listed on NTP, IARC, ACGIH or OSHA
Carcinogenicity ACGIH	Not listed on NTP, IARC, ACGIH or OSHA
Carcinogenicity NTP	Not listed on NTP, IARC, ACGIH or OSHA
Carcinogenicity OSHA	Not listed on NTP, IARC, ACGIH or OSHA
Reproductive Toxicity	EDTA and its sodium salts caused birth defects to some animal studies in the presence of maternal toxicity.
Specific Target Organ Toxicity - Single Exposure	No data available
Specific Target Organ Toxicity - Repeated Exposure	No data available
Aspiration Hazard	No data available

Section 12: Ecological Information

Toxicity	Algae (green algae) - 96 hr - EC50 = 1.14E8 mg/L Fish (guppy) - 96 hr - LC50 = 320 mg/L Bacteria (<i>Pseudomonas putida</i>) - 8 hr - EC50 = 58 mg/L
Persistence and Degradability	Not readily biodegradable.
Bio-accumulative Potential	Logpow = -11.7 (calculated by EPIWIN/KOWWIN model) Bioaccumulation is not expected.
Mobility in Soil	Not available
Other Adverse Effects	Not available

Section 13: Disposal Considerations

Waste Treatment Methods Product	It is the responsibility of the waste generator to evaluate whether his wastes are hazardous. Dispose in accordance with all local, state and federal regulations.
Waste Treatment Methods Packaging	Containers should be cleaned of residual product before disposal. Since emptied containers retain product residue, follow the warnings detailed in this document even after container is emptied. Empty containers should be disposed of or shipped in accordance with all applicable laws and regulations.
Special Precautions Landfill or Incinerations	No data available
Other Information	No data available

Section 14: Transport Information

UN Number	Not dangerous goods.
UN Proper Shipping Name	N/A
Transport Hazard Class(es)	N/A
Packaging Group	N/A
Environmental Hazards	N/A

Section 15: Regulatory Information

OSHA Hazard Communication Standard: This material is NOT considered hazardous by the OSHA Hazard Communication Standards [29 CFR 1910.1200]. European and International Legislation: Reg. CE 1907/2006 (REACH) - Reg. CE 790/2009 - Reg. CE 453/2010 - Reg. 1357/2014 It is recommended that the customer verifies if there exist specific regulations for the product utilization in the place where it will be used.

Section 16: Other Information

Additional Information	NFPA Hazard: Health 1, Flammability 1, Reactivity 0.
Prepared By	Scarlotte Smith
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