



LidoQuest[®] Ca 10%

SAFETY DATA SHEET

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SDS#: 1394

Review/Revision Date: 07/11/19

SECTION 1 - General Information And Chemical Product Identification

Trade Name: **LidoQuest[®] Ca 10%**

CAS #: **23411-34-9**

Chemical Name: **Ethylenediaminetetraacetic Acid, Calcium - Disodium Complex**

Product Code:

Application/Uses/ **LidoQuest Ca EDTA is a soluble metal chelate, mainly used in the agriculture and horticulture as a micro nutrient and calcium is present in a chelated form.**

CAEDTAHEB

Restrictions **None Specified**

Distributor Information **LidoChem, Inc. 20 Village Court, Hazlet, NJ 07730, Phone: (732) 888 8000
Fax: (732) 264 2751 * email: info@lidochem.com**

Emergency phone #: **CHEMTREC - Day or Night - at 800 424 9300**

SECTION 2 - Hazard(s) Identification

Classification of the substance or mixture (GHS-US)

Skin irritation (Category 2), H315
Eye irritation (Category 2A), H319
STOT - single exposure (Category 3),
Respiratory system, H335

Physical Hazards

None

Hazard Statement

H315: Causes skin irritation

H319: Causes serious eye irritation

H335: May cause respiratory irritation

OSHA Defined Hazards

This product does NOT contain any products considered hazardous under the Federal OSHA HazCom. Standard 29 CFR 1910.1200.

HNOC - Hazards Not Otherwise Classified



Irritant

Signal
Word
Warning

GHS Precautionary Statements - Prevention, Response, Storage, Disposal

P261: Avoid breathing dust/fume/gas/mist/vapours/spray
P264: Wash skin thoroughly after handling

P271: Use only outdoors or in a well-ventilated area
P280: Wear protective gloves/protective clothing/eye protection/face protection

P302+352: IF ON SKIN: Wash with soap and water
P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P312: Call a POISON CENTER or doctor/physician if you feel unwell
P321: Specific treatment (see supplemental first aid instructions on this label).

P332+313: If skin irritation occurs: Get medical advice/attention
P337+313: If eye irritation persists get medical advice/attention

P362: Take off contaminated clothing and wash before reuse
P403+233: Store in a well-ventilated place. Keep container tightly closed
P405: Store locked up

P501: Dispose of contents/container to an approved waste disposal plant according to local, state and federal regulations.

SECTION 3 Composition/information On Ingredients

Molecular Weight: **410.3**

Chemical FORMULA: **C₁₀H₁₂N₂O₈CaNa₂ 2H₂O**

CAS#:	Common Name/Synonyms:	% by Wt.
23411-34-9	EDTA Acid Calcium - Disodium Complex	.978%
7732-18-5	Water	.02%

SECTION 4 - First Aid Information**Description of first aid measures****General Advice:**

Move out of dangerous area. Consult a physician. Show this material safety data sheet to the doctor in attendance.

If Inhaled:

Remove to fresh air. Rinse nose and mouth with water. If breathing becomes difficult, oxygen may be given, preferably with a physician's advice. If not breathing, give artificial respiration. Get medical attention if irritation occurs.

In Case Of Skin Contact:

Remove contaminated clothing and equipment. Wash all affected areas with plenty of soap and water for at least 15 minutes. Do not attempt to neutralize with chemical agents. Wash contaminated clothing and shoes before reuse. Get medical advice if irritation occurs.

In Case Of Eye Contact:

Flush eyes with large quantities of running water for a minimum of 15 minutes. If present and easy to do, remove contact lenses. Hold eyelids apart during the flushing to ensure rinsing of entire surface of the eye and lids with water. DO NOT let victim rub eye(s). Do not attempt to neutralize with chemical agents. Oils/ointments should not be used at this time. Get medical attention if eye irritation occurs.

If Swallowed:

If victim is conscious and alert, give 2-3 glasses of water to drink and do not induce vomiting. **Never give anything to eat or drink to someone who is unconscious, having convulsions, or unable to swallow.** Seek medical attention if health effects occur. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Vomiting may occur spontaneously. If vomiting occurs and the victim is conscious, give water to further dilute the chemical.

Most important symptoms and effects, both acute and delayed:

ACUTE: At high dust concentrations, irritation of eyes, skin, nose and upper respiratory tract by chemical or mechanical action may occur.

Skin: May cause irritation **Eye:** Irritation and possible damage **Inhalation:** Dust may cause irritation of respiratory tract and symptoms of bronchitis may result. **Ingestion:** May result in irritation of mouth, throat and stomach **Chronic:** None Found

Indication of any immediate medical attention and special treatment needed:

Treat symptomatically. No specific product related symptoms are known.

SECTION 5 - Fire And Explosion Data**Suitable Extinguishing Media:**

This product is noncombustible. If involved in a fire, extinguishing media suitable for surrounding materials should be used. Use water fog or spray, dry chemical, foam or carbon dioxide extinguishing agents.

Unsuitable Extinguishing Media:

None specified.

Specific Hazards arising from the chemical:

Risks of ignition followed by flame propagation or secondary explosions shall be prevented by avoiding accumulation of dust, e.g. on floors and ledges. In case of fire or explosion, do not breathe fumes. Nitrogen oxide may develop.

Special protective equipment and precautions for fire-fighters:

Firefighters should wear full-face, self contained breathing apparatus and impervious protective clothing.

Fire-fighting equipment/instructions

As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Evacuate non-essential personnel from the fire area.

Specific Methods

Standard procedure for chemical fires.

Section 6 - Accidental Release Measures**Personal precautions, protective equipment and emergency procedures:**

Wear appropriate protective gear for the situation (See Section 8 SDS). Do not touch or walk through spilled material. Keep Unauthorized personnel away. Stop source of spill if safe to do so and dike area to contain spill.

Environmental Precautions:

Consult with environmental regulatory agencies for acceptable procedures of disposal. Do not contaminate drain.

Methods and Materials for Containment and Clean Up:

Sweep up spilled solid material, being careful not to create dust. Use clean non-sparking tools and equipment. Return sweeping to stock or, if contaminated, place into a chemical waste container for disposal. Wash away residue with water, without contaminating drains. Soak up wash water with suitable absorbent or sand, sweep up and dispose of in accordance with local regulations.

Section 7- Handling and Storage**Precautions for safe handling:**

Always wear gloves, protect eyes and face.

Store product in its original packaging in a dry, well ventilated place, away from sunlight and substances constituting a fire hazard. This product is hygroscopic.

Conditions for safe storage:

Keep in a dry place. Store at room temperature in the original container. Keep container tightly closed. Provide appropriate exhaust ventilation at places where dust is formed.

Incompatibilities:

Strong oxidizing agents.

Section 8 - Exposure Control and Personal Protection**Occupational Exposure Limits:**

Chemical Identity:	CAS #:	Exposure Limit Values		SOURCE	OSHA/PPM
		TWA	STEL		PEL
EDTA Acid Calcium - Disodium Complex	23411-34-9	none	none	ACGIH Threshold Limit Values	none
Water	7732-18-5			ACGIH Threshold Limit Values	none
				ACGIH Threshold Limit Values	

Exposure Limits and Appropriate Engineering Controls:

Contains no substances with occupational exposure limit values.

Individual Protection Measures, (Personal Protective Equipment):**Eye Protection**

Eye/face protection requirements vary depending upon work environment conditions and material handling practices. Use ANSI Z87 approved close fitting chemical safety goggles with face shield to prevent eye/face contact. Emergency eye wash must be readily accessible to work area.

Skin Protection

Skin contact should be prevented through use of suitable protective clothing, gloves made with Nitrile rubber and footwear, selected with regard for use conditions and exposure potential. Consideration must be given both to durability as well as permeation resistance.

Other Protection:

All food and smoking materials should be kept in a separate area away from the storage/use location. Eating, drinking and smoking should be prohibited in areas where there is a potential for significant exposure to this material. Before eating, drinking or smoking, hands and face should be thoroughly

Respiratory Protection

No personal respiratory protective equipment normally required. In the case of dust, vapor or aerosol formation use respirator with an approved filter. Half mask with a particle filter P2 (EN 143).

Ventilation Limits:

Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: local exhaust ventilation at the point of generation. Recommended to keep dust levels at acceptable limits.

Hygienic Practices:

Minimize breathing dust. Avoid prolonged or repeated breathing of dust and contact with skin. All food and smoking materials should be kept in a separate area away from the storage/use location. Before eating, drinking or smoking, hands and face should be thoroughly washed. Facilities storing or using this material should be equipped with an eyewash and safety shower.

Section 9 - Physical and Chemical Properties

Appearance And Odor: White Powder with no odor

pH: 6.0-7.5%

Melting Point: Breaks down without melting.

Freezing Point: No data available

Boiling Point: Not applicable

Flash Point: Not applicable

Evaporation Rate: Not applicable

Solubilities: 800 (g/l) 20°C

Specific Gravity: N/Ap

Bulk Density: 650-850 kg/m³

Other Information: Water Insolubles 0.05 Max

Flammable Limits: Not classified as a flammability hazard

UEL: Not applicable

LEL: >40 g/m³

Vapor Pressure(mm/hg): N/Ap

Vapor Density(air=1): 800 kg/mc

Autoignition Temp: 292° C

Decomposition Temp: No data available

Reactivity In Water: No data available

Viscosity: No data available

Section 10 - Stability and Reactivity**Chemical Stability and Reactivity:**

This product is stable at ambient temperatures and atmospheric pressures. It is not self reactive and is not sensitive to physical impact.

Possible Hazardous Reactions:

Carbon oxides nitrogen oxides (NOx) dust may form explosive mixture in air.

Conditions to Avoid:

None Known.

Incompatible Materials:

Strong oxidizing agents.

Hazardous Decomposition Products:

Decomposition produces toxic fumes or gases of NOx. CaOx. NaOx. Emits toxic fumes under fire conditions.

Section 11- Toxicological Information

Information On The Likely Routes Of Exposure: Inhalation, Ingestion and Dermal.

Symptoms Related To The Physical, Chemical And Toxicological Effects:

Inhalation Effects:

No test data found for product.

Skin Effects:

No test data found for product.

Dermal Toxicity:

No test data found for product.

Eye Effects:

No test data found for product./ Causes serious eye irritation.

Ingestion Effects:

LD50, oral, rat > 5000 mg/Kg

Sensitization:

No test data found for product.

Carcinogenicity/Mutagenicity:

This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human carcinogens. No data available for mutagenicity.

Reproductive Effects:

1340 mg/kg Reproductivity test Result: No birth defects observed. Species: Rat < 250 mg/kg
Reproductivity test Result: No adverse effects over four generations Species: Rat

Neurotoxicity:

The neurotoxic effects of this product are not known.

Target Organs:

Target organ effects of this material are not available.

Additional Toxicological Information:

No other toxic effects for this product are known.

Section 12- Ecological Information

Ecotoxicity:

No ecotoxicity data noted for the ingredient(s).

Degradability:

Not readily bio-degradable.

Bioaccumulative potential:

No information found.

Mobility in the Soil:

No information found.

Additional Adverse effect on environment:

No information found.

SECTION 13 - Disposal Considerations**Disposal Instructions and Regulations:**

Offer surplus and non-recyclable solutions to a licensed disposal company. Dispose of as unused product as contaminated packaging. In unused condition, this product is NOT considered to be a RCRA defined hazardous waste by characteristics/listings. It is the responsibility of the waste generator to evaluate whether his wastes are hazardous by characteristic/listing. Dispose in accordance with all local, state and federal regulations. Chemical additions, processing or otherwise altering this material may make the waste management information presented incomplete, inaccurate or otherwise inappropriate.

Hazardous Waste Code: Not considered a hazardous waste

Container Disposal Information:

Be advised that state/local requirements for container disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state/local regulations regarding proper disposal of container.

Section 14 - Transport Information**US DOT, IATA, IMO, ADR:**

Proper Shipping Name: Chelating Compound Dry, EDTA Chelate, Calcium-Disodium Complex

D. O. T. Hazard Class: Not Regulated by D.O.T.

UN #: N/A

Label Requirement: None

RQ: N/A

Placard: None

CAS: 23411-34-9

Packing Group: N/A

ERG Book Information: 171

Environment Hazards: No

Marine Pollutant: No

Special Precautions: No

IATA: Not regulated as dangerous goods.

Section 15 - Regulatory Information**US Federal - OSHA Status:**

This product does NOT contain any products considered hazardous under the Federal OSHA HazCom. Standard 29 CFR 1910.1200.

TSCA Status:

Listed/Reportable on the Active TSCA List

U.S. SARA Reporting Requirements:**SARA Title III Hazard Classes Section 302 - EXTREMELY HAZARDOUS SUBSTANCES:**

This product does NOT contain ingredients listed in Appendix A and B as Extremely Hazardous substances.

SARA Title III Hazard Classes Sections 311/312:

Immediate (acute) health hazard

SARA Section 313 Toxic Chemicals:

This product contains the following toxic chemical subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act:

CAS# **Chemical Name:**

This material does NOT contain any chemical components with known CAS numbers that exceed the threshold reporting levels.

SARA Superfund Section 110:

This product does NOT contain ingredients listed as hazardous substances on the Priority List of CERCLA Hazardous substances.

CERCLA, 40 CFR 117, 302:

This product does not contain ingredients specified in the List of Extremely Hazardous Substances.

CERCLA listed substances are:

None listed

Other Federal Reporting Requirements:

CAA: This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act
CWA: No chemicals in product are listed a Hazardous Substances, Priority Pollutants or Toxic Pollutants under the CWA.
RCRA: Not classified as a hazardous waste.

State Reporting Requirements:

State Right to Know Laws:

CAS#	State RTK	Chemical Name
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CALIFORNIA PROPOSITION 65:

To the best of our knowledge, this product does NOT contain any of the listed chemicals, which the state of California has found to cause cancer, birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

Michigan Critical Materials:

This product does NOT contain ingredients listed on the Michigan Critical Materials Register.

Global Lists/International Inventories:

Canada CEPA: All components listed on the Canandian DSL
Canada WHMIS: Not controlled

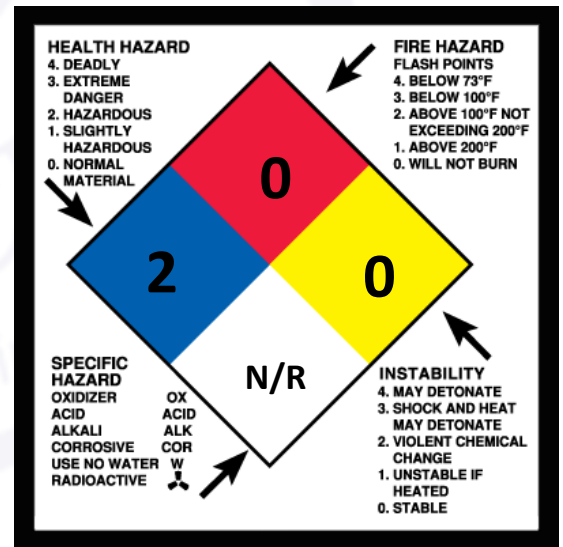
SECTION 16 - Other Information

Proprietary Information - exclusive rights of manufacture to be kept confidential.

6-1-15 Reviewed updated to GHS format, This replaced all prior MSDS.
 11-2-17 - Reviewed updated "Tech Grade" name.

8-20-18 - Reviewed, updated California Proposition 65 statement, this replaces all previous SDS's.

7-11-19 - Updated TSCA inventory - product is on the active TSCA list.



Date of last revision:

7-11-2019

Reach Number EU

NOTICE: OSHA STANDARD 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a Hazard Communication Program including training, labeling, Material Safety Data Sheets, and access to written records. We request that you, and it is your legal duty, make all information in this Material Safety Data Sheet available to your employees.

Key Legend Information:

N/Ap:	Not Applicable	ND:	Not Determined
N/R:	Not Rated	NDA:	No Data Available
ACGI:	American Conference of Govr'ntal Industrial Hygienists	TLV:	Threshold Limit Value
OSHA:	Occupational Safety and Health Administration	TWA:	Time Weighted Average
PEL:	Permissible Exposure Limit	NTP:	National Toxicology Program
STEL:	Short Term Exposure Limit	TSCA:	Toxic Substance Control Act
IARC:	International Agency for Research on Cancer	CERCLA:	Comprehensive Response, Compensation and Liability Act
SARA Title III:	Superfund Amendments and Reauthorization Act	CWA:	Clean Water Act
CAA:	Clean Air Act		
RCRA:	Resource Conservation Recovery Act		
IATA:	International Air Transport Association Shipping Info.	IMO:	International Maritime Organization Shipping Info.
DSL:	Domestic Substance List (Canada)	WHMIS:	Workplace Hazardous Materials Information System

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