

1. Product and Company Identification

Product Code: 1839-220-94649
Product Name: Quantum Bio-Pure

Manufacturer Information:

Company Name: Chem Etch Manufacturing Inc
P.O. BOX 924231
Houston, TX 77292
Phone Number: (877) 564-2565

Web site address: <https://www.chemetch.net>

Emergency Contact: CHEMTREC (800) 424-9300

Distributor Name and Address:

Company Name: Chem Etch Manufacturing Inc.
P.O. Box 924231
Houston, TX 77292
Phone Number: (877) 564-2565

Web site address: <https://www.chemetch.net>

Email address: noah@chemetchmfg.com

Emergency Contact: CHEMTREC (800) 424-9300

2. Hazards Identification

GHS Signal Word: None

GHS Hazard Phrases: No phrases apply.

GHS Precautionary Phrases: Avoid release to the environment.

GHS Response Phrases: If skin irritation occurs, get medical advice/attention.

GHS Storage and Disposal Phrases: Dispose of contents/container to ...

OSHA Regulatory Status: While this material is not classified as hazardous under OSHA regulations, this MSDS contains valuable information critical to the safe handling and proper use of the product. This MSDS should be retained and available for employees and other users of this product.

Potential Health Effects (Acute and Chronic): Hazards not otherwise classified (HNOC) or not covered by GHS -none.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
60-00-4	Ethylenediamine Tetraacetic Acid	3.0 -4.5 %	
68439-50-9	Ethoxylated alcohol	0.1 -0.3 %	
85409-23-0	Quaternary ammonium compounds, C12-14-alkyl.(ethylphenyl)m	0.1 -0.15 %	
68391-01-5	Quaternary ammonium compounds,benzyl-C12-18-alkyldimethyl, chlorides	0.1 -0.15 %	

SAFETY DATA SHEET

Quantum Bio-Pure

Page: 2

Printed: 04/16/2020

Revision: 04/16/2020

Supersedes Revision: 04/13/2020

4. First Aid Measures

Emergency and First Aid Procedures:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.
In Case of Inhalation:	No specific treatment is necessary since this material is not likely to be hazardous by inhalation.
In Case of Skin Contact:	Wash off with soap and plenty of water. Consult a physician.
In Case of Eye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
In Case of Ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Signs and Symptoms Of Exposure:	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11
Indication of any immediate medical attention and special treatment needed:	No data available.

5. Fire Fighting Measures

Flash Pt:	> 213.60 F (100.9 C)
Explosive Limits:	LEL: No data. UEL: No data.
Autoignition Pt:	> 400.00 C (752.0 F)
Suitable Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.
Fire Fighting Instructions:	Wear self contained breathing apparatus for fire fighting if necessary. Further information: No data available.
Flammable Properties and Hazards:	Material will not burn. No data available.

6. Accidental Release Measures

Protective Precautions, Protective Equipment and Emergency Procedures:	Wash and dry hands.
Environmental Precautions:	Do not let product enter drains.
Steps To Be Taken In Case Material Is Released Or Spilled:	Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. Handling and Storage

Precautions To Be Taken in Handling:	Avoid contact with skin and eyes.
Precautions To Be Taken in Storing:	Keep container tightly closed in a dry and well-ventilated place. Keep in a dry place.
Other Precautions:	Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
60-00-4	Ethylenediamine Tetraacetic Acid	No data.	No data.	No data.
68439-50-9	Ethoxylated alcohol	No data.	No data.	No data.
85409-23-0	Quaternary ammonium compounds, C12-14-alkyl.(.ethylphenyl)m	No data.	No data.	No data.

SAFETY DATA SHEET

Quantum Bio-Pure

68391-01-5	Quaternary ammonium compounds, benzyl-C12-18-alkyldimethyl, chlorides	No data.	No data.	No data.
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Respiratory Equipment (Specify Type): Respirator protection is not normally required.

Eye Protection: Eye protection not necessary in normal use.

Protective Gloves: No data available.

Other Protective Clothing: No data available.

Engineering Controls (Ventilation etc.): Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Environmental Exposure Controls: No data available.

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor: mixture.
No apparent odor.

pH: 11.9

Melting Point: NE

Boiling Point: NE

Flash Pt: > 213.60 F (100.9 C)

Evaporation Rate: No data.

Flammability (solid, gas): No data available.

Explosive Limits: LEL: No data. UEL: No data.

Vapor Pressure (vs. Air or mm Hg): NE

Vapor Density (vs. Air = 1): NE

Specific Gravity (Water = 1): 1.010

Density: 8.41 G/CC

Solubility in Water: No data.

Solubility Notes: SOLUBLE IN WATER COMPLETE.

Octanol/Water Partition Coefficient: No data.

Autoignition Pt: > 400.00 C (752.0 F)

Decomposition Temperature: No data.

Viscosity: No data.

10. Stability and Reactivity

Reactivity: No data available.

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: Incompatible materials.

Incompatibility - Materials To Avoid: Strong oxidizing agents.

Hazardous Decomposition or Byproducts: Hazardous decomposition products formed under fire conditions. -Carbon oxides, nitrogen oxides (NOx),
In the event of fire: see section 5.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

SAFETY DATA SHEET

Quantum Bio-Pure

Page: 4

Printed: 04/16/2020

Revision: 04/16/2020

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Conditions To Avoid - The product is stable at normal handling- and storage conditions.
Hazardous Reactions:

11. Toxicological Information

Toxicological Information: Acute toxicity.
Dermal. No data available.
Germ cell mutagenicity: Reproductive toxicity. Aspiration hazard:

Irritation or Corrosion: Skin corrosion/irritation. Skin. Rabbit.
Result: No skin irritation . Serious eye damage/eye irritation: Eyes. Result: Eye irritation - 24 h.

Sensitization: Maximisation Test. Rabbit. Result: Does not cause skin sensitisation.

Chronic Toxicological Effects: Specific target organ toxicity - single exposure: No data available.
Specific target organ toxicity -repeated exposure: no data available.

Carcinogenicity/Other Information: IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
60-00-4	Ethylenediamine Tetraacetic Acid	n.a.	n.a.	n.a.	n.a.
68439-50-9	Ethoxylated alcohol	n.a.	n.a.	n.a.	n.a.
85409-23-0	Quaternary ammonium compounds, C12-14-alkyl.(.ethylphenyl)m	n.a.	n.a.	n.a.	n.a.
68391-01-5	Quaternary ammonium compounds,benzyl-C12-18-alkyldimethyl, chlorides	n.a.	n.a.	n.a.	n.a.

12. Ecological Information

General Ecological Information: Unknown Effect.

Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

Bioaccumulative Potential: Bioaccumulation: Lepomis macrochirus (Bluegill) - -28 d 80 µg/l
Bioconcentration factor (BCF): 1.8

Mobility in Soil: No data available.

13. Disposal Considerations

Waste Disposal Method: Product:
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.
Contaminated packaging: Dispose of as unused product.

14. Transport Information

SAFETY DATA SHEET

Quantum Bio-Pure

LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not regulated as a hazardous material.

DOT Hazard Class:

UN/NA Number:

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
60-00-4	Ethylenediamine Tetraacetic Acid	No	Yes 5000 LB	No
68439-50-9	Ethoxylated alcohol	No	No	No
85409-23-0	Quaternary ammonium compounds, C12-14-alkyl.(.ethylphenyl)m	No	No	No
68391-01-5	Quaternary ammonium compounds,benzyl-C12-18-alkyldimethyl, chlorides	No	No	No

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

- Yes No Explosive
- Yes No Flammable (gases, aerosols, liquid, or solid)
- Yes No Oxidizer (liquid, solid or gas)
- Yes No Self-reactive
- Yes No Pyrophoric (liquid or solid)
- Yes No Pyrophoric gas
- Yes No Self-heating
- Yes No Organic peroxide
- Yes No Corrosive to metal
- Yes No Gas under pressure (compressed gas)
- Yes No In contact with water emits flammable gas
- Yes No Combustible Dust
- Yes No (Physical) Hazard Not Otherwise Classified (HNOC)
- Yes No Acute toxicity (any route of exposure)
- Yes No Skin Corrosion or Irritation
- Yes No Serious eye damage or eye irritation
- Yes No Respiratory or Skin Sensitization
- Yes No Germ cell mutagenicity
- Yes No Carcinogenicity
- Yes No Reproductive toxicity
- Yes No Specific target organ toxicity (single or repeated exposure)
- Yes No Aspiration Hazard
- Yes No Simple Asphyxiant
- Yes No (Health) Hazard Not Otherwise Classified (HNOC)

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
60-00-4	Ethylenediamine Tetraacetic Acid	CAA HAP,ODC: No CWA NPDES: No TSCA: Yes - Inventory CA PROP.65: No
68439-50-9	Ethoxylated alcohol	CAA HAP,ODC: No CWA NPDES: No TSCA: Yes - Inventory CA PROP.65: No
85409-23-0	Quaternary ammonium compounds, C12-14-alkyl.(.ethylphenyl)m	CAA HAP,ODC: No CWA NPDES: No TSCA: No

SAFETY DATA SHEET

Quantum Bio-Pure

		CA PROP.65: No
68391-01-5	Quaternary ammonium compounds,benzyl-C12-18-alkyldimethyl, chlorides	CAA HAP,ODC: No CWA NPDES: No TSCA: Yes - Inventory CA PROP.65: No

16. Other Information

Revision Date: 04/16/2020

Additional Information About This Product: **DISCLAIMER:** To the best of our knowledge, the information contained herein is accurate. There is no assumption of liability for accuracy contained within this information. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Company Policy or Disclaimer: **DISCLAIMER:** To the best of our knowledge, the information contained herein is accurate. There is no assumption of liability for accuracy contained within this information. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.