



SAFETY DATA SHEET Q-SAN PLUS

1 IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND OF THE COMPANY

Use of Preparation: Sanitizer

Approved for use in Food Processing Facilities.

Company Identification:

Mega-Lab Manufacturing. Co. Ltd.
25 Planchet Road
Concord, ON
L4K 2C5

Company Emergency Telephone Number(s):

905-532-9000

Transportation Emergency Telephone Number(s):

CANUTEC 613-996-6666 or * 666 for cell phone

2 HAZARD IDENTIFICATION

GHS Hazards: Skin corrosion/irritation Category 1A H314

Hazard Pictograms :



GHS Label Elements, Including Precautionary Statement

Signal Word: DANGER

Hazard

Statements: Causes severe skin burns and eye damage.

Precautionary

Statements: Do not breathe fume/gas/mist/vapours/spray. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response:

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. Wash contaminated clothing before reuse.

Storage: Store locked up.

Disposal: Dispose of contents/container according to local, provincial and federal regulations.

3 COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Description: Chemical Blend

| Ingredient Name | CAS# | Classification | % by Wt |
|---|------------|---|----------|
| Alkyl dimethyl benzyl ammonium chloride | 68424-85-1 | Serious eye damage/eye irritation Category 1 H318 Skin corrosion/irritation Category 1C H314 | 7.5-15.0 |

4 FIRST AID MEASURES

Inhalation: Remove victim to fresh air. If symptoms persist, call a physician

Eye Contact: Remove contacts. Flush with water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Repeat if required. If irritation persists get medical attention.

Skin Contact: Flush skin with plenty of water, for at least 15 minutes, while removing contaminated clothing. Call physician immediately. Wash contaminated clothing before reuse.

Ingestion: DO NOT induce vomiting. Rinse mouth with water, then drink one glass of water. Seek medical attention. Never give anything by mouth if victim is unconscious or convulsing.

Most Important Symptoms and Effects: no available data

Notes to Physician: Contains Quaternary Ammonium compound. If the product is ingested, probable mucosal damage may contraindicate the use of gastric lavage. Treat the affected person appropriately.

5 FIRE FIGHTING MEASURES

Suitable extinguishing media: As appropriate for burning of surrounding products

Unsuitable extinguishing media: No data available

Special exposure hazards: No data available

Special safety equipment: Self contained breathing apparatus and full protective clothing required for extinguishing fire.

Fire and explosion: Not considered to be a fire or explosive hazard

Further information: None

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Wear suitable personal protective equipment. Do not get in eyes, on skin or clothing.

For Non-Emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Evacuate unnecessary personnel.

For Emergency Personnel

Protective Equipment: Equip cleanup crew with proper protection.

Emergency Procedures: Stop leak if safe to do so. Ventilate area.

Environmental Precautions: Prevent release to the environment if possible. Dike large spills to prevent material from entering streams or sewer systems.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Recover and reuse as much of the product as possible. Restrict access to area until completion of clean up. Ensure trained personnel conduct clean up. Do not touch spilled material.

Reference to Other Sections: See Heading 8. Exposure controls and personal protection.

7 HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with skin, eyes and clothing. Wear proper protective equipment Wash thoroughly after handling.

Information about fire and explosion protection: No special measures required.

Requirements to be met by storerooms and receptacles: Store in a cool and dry location. Keep away from incompatible materials , (see section 10)

Information about storage in one common storage facility: Store away from foodstuffs. Store in a cool, dry area. Keep away from incompatible materials, (see Sect. 10)

Further information about storage conditions: Keep container tightly sealed. Plastic containers recommended.

Specific end use: No further relevant information available.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

| | |
|--------------------------------|---|
| Respiratory protection: | Normally not required. Mechanical ventilation should be adequate. |
| Hand protection: | Rubber gloves |
| Eye protection: | Safety glasses, or chemical goggles. |
| Skin protection: | As required by workplace standards. |
| Working hygiene: | Take usual precautions when handling. Workers should wash hands before eating, drinking or smoking. |
| Exposure Guidelines: | A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details. |

9 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|-------------------------|
| Physical State: | Liquid |
| Appearance: | clear colourless liquid |
| Molecular Weight: | No Data Available |
| Odour: | Typical |
| Odour Threshold: | No Data Available |
| pH: | 7-8 |
| Melting Point: | No Data Available |
| Boiling Point: | No Data Available |
| Flash Point: | No Data Available |
| Evaporation Rate (BuAc=1): | No Data Available |
| Flammable Limits in Air: | No Data Available |
| Upper Flammability Limit: | No Data Available |
| Lower Flammability Limit: | No Data Available |
| Vapour Density (Air=1): | No Data Available |
| Vapour Pressure: | No Data Available |
| Specific Gravity: | 0.98-0.99 |
| Solubility in Water: | Complete |
| Log Pow (calculated): | No Data Available |
| Autoignition Temperature: | No Data Available |
| Decomposition Temperature: | No Data Available |
| Viscosity: | As Water |
| Solubility in other Solvents: | No Data Available |
| Partition Coefficient: n-octanol / Water: | No Data Available |
| Kinematic Viscosity: | No Data Available |
| Dynamic Viscosity: | No Data Available |
| Explosive Properties: | No Data Available |
| Percent Volatile by Volume: | No Data Available |

10 STABILITY AND REACTIVITY

| | |
|--------------------|------------------|
| Reactivity: | Normally stable. |
|--------------------|------------------|

| | |
|---|---|
| Chemical stability: | Stable under recommended handling and storage conditions (see section 7). |
| Thermal decomposition conditions to avoid: | not known |
| Possibility of hazardous reactions: | not known |
| Conditions to avoid: | None Known. Keeps containers tightly closed when not in use |
| Hazardous decomposition products: | none known |
| Materials to avoid: | Strong acids and oxidizing agents. |
| Hazardous polymerization: | none |

11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity: please see below

Delayed and immediate effects as well as chronic effects from short and long-term exposure

| | |
|--------------------------------|--|
| Symptoms: | No data available |
| Sensitization: | No data available |
| Mutagenic Effects: | No data available |
| Carcinogenicity: | No ingredient listed by IARC, ACGIH, NTP, and OSHA as carcinogens. |
| Reproductive Toxicity: | No data available |
| STOT single exposure: | No data available |
| STOT repeated exposure: | No data available |
| Chronic Toxicity: | No data available |
| Target Organ Effects: | No data available |
| Aspiration hazard: | No data available |
| Listed Ingredients: | |

Alkyl dimethyl benzyl ammonium chloride

LD 50 (oral) 50-500mg/kg rat
 LD 50 (dermal) >2000mg/kg rabbit
 LC 50 (inhalation) 0.054-0.51mg/L

12 ECOLOGICAL INFORMATION

| | |
|--|-------------------|
| Toxicity: | No Data Available |
| Persistence and Degradability: | No Data Available |
| Bioaccumulative Potential: | No Data Available |
| Mobility in Soil: | No Data Available |
| Other Information: | No Data Available |
| Aquatic Toxicity: | No Data Available |
| Toxicity to algae, fish, invertebrates: | No Data Available |
| Biodegradation: | No Data Available |

13 DISPOSAL

| | |
|--|---|
| Waste Disposal Recommendations: | Dispose of waste material in accordance with all local, regional, national, and international regulations. |
| Ecology – Waste Materials: | Avoid release to the environment. |
| Empty Containers: | Reuse if possible or triple rinse and dispose according to local, provincial, state and federal regulations |

14 TRANSPORTATION INFORMATION

| Department | Proper Shipping Name | Contains | Hazard Class | UN# | Packing Group |
|----------------------------|---------------------------|-------------------------------|--------------|------|---------------|
| Canadian TDG (Road & Rail) | Corrosive Liquids, N.O.S. | Quaternary Ammonium Compounds | 8 | 1760 | III |

Please note: This shipping description is of a general nature only. It does not consider package sizes, modes of transport and other specific circumstances. Appropriate regulations should be referenced, and handling for transportation of dangerous goods/hazardous materials should be performed by trained personnel only.

15 REGULATION

| | |
|--|----------------------------|
| OSHA/WHMIS 2015 Classification: | Corrosive to Eyes and Skin |
|--|----------------------------|

California PROP 65: no ingredients listed

Cdn Domestic Substance List (DSL): All Ingredients Listed

HMIS III Rating

Health:

Flammability:

Physical:

Personal Protection:

16 OTHER INFORMATION

Prepared by:

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Concord, ON
L4K 2C5
(905) 532-9000

| Issuing Date | Version# | Reason for Revision |
|--------------|----------|---------------------|
| 01/14/2020 | 1 | |

Disclaimer:

The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However we do not assume accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet