



FQE Bacteria Kill I

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: FQE Bacteria Kill I
SDS Number: FQE Bacteria Kill I
Product Code: FQE060
Revision Date: 1/27/2020
Version: 3
Product Use: Industrial Micro-biocide
Supplier Details: FQE Chemicals
 4820 Railroad St
 Deer Park, TX 77536
Phone: 281-476-9249
Emergency: CHEMTREC 800-424-9300

2 HAZARDS IDENTIFICATION

Classification of the Substance or Mixture

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):

- Health, Acute toxicity, 4 Oral
- Health, Respiratory or skin sensitization, 1 Skin
- Health, Respiratory or skin sensitization, 1 Respiratory
- Health, Skin corrosion/irritation, 1 B
- Health, Serious Eye Damage/Eye Irritation, 1

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **DANGER**

GHS Hazard Pictograms:



GHS Hazard Statements:

- H302 - Harmful if swallowed
- H317 - May cause an allergic skin reaction
- H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H314 - Causes severe skin burns and eye damage
- H318 - Causes serious eye damage

GHS Precautionary Statements:

- P261 - Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
- P261 - Avoid breathing mist/ vapours.
- P264 - Wash skin thoroughly after handling.
- P270 - Do not eat, drink or smoke when using this product.
- P271 - Use only outdoors or in a well-ventilated area.
- P272 - Contaminated work clothing should not be allowed out of the workplace.
- P273 - Avoid release to the environment.
- P280 - Wear protective gloves/ protective clothing/ eye protection/ face protection.
- P285 - In case of inadequate ventilation wear respiratory protection.
- P301 + P312 - IF SWALLOWED: Call a POISON CENTER or doctor/ physician if you feel unwell.
- P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.
- P303 + P361 + P353 - IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
- P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P310 - Immediately call a POISON CENTER or doctor/ physician.
- P312 - Call a POISON CENTER or doctor/ physician if you feel unwell.



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- P321 - Specific treatment (see supplemental first aid instructions on this label).
- P322 - Specific measures (see supplemental first aid instructions on this label).
- P330 - Rinse mouth.
- P332 + P313 - If skin irritation occurs: Get medical advice/ attention.
- P333 + P313 - If skin irritation or rash occurs: Get medical advice/ attention.
- P337 + P313 - If eye irritation persists: Get medical advice/ attention.
- P362 - Take off contaminated clothing and wash before reuse.
- P363 - Wash contaminated clothing before reuse.
- P390 - Absorb spillage to prevent material damage.
- P391 - Collect spillage.
- P405 - Store locked up.
- P501 - Dispose of contents/ container to an approved waste disposal plant.

3 COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Ingredients:		
CAS#	%	Chemical Name:
7732-18-5	30-55%	water
68424-85-1	20-30%	Quaternary amines
111-30-8	<10%	Glutaraldehyde

The chemical composition consists of non-hazardous components that do not require disclosure according to applicable regulations.
The specific identity and percentage of chemicals used in this product have been withheld as a trade secret.

4 FIRST AID MEASURES

- Inhalation:** If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.
- Skin Contact:** If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Launder clothing before reuse. Seek medical attention if irritation persists. Wash with soap and water.
- Eye Contact:** Flush eyes with plenty of water and get medical attention if irritation persists. Hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poison Information Center, a doctor, or for at least 15 minutes. Continue rinsing eyes during transport to hospital.
- Ingestion:** If swallowed, do not induce vomiting. Rinse mouth out with water. Drink plenty of water. Seek medical advise immediately by calling a Poison Control Center or a doctor.

5 FIRE FIGHTING MEASURES

- Flammability:** Non-combustible
- Autoignition Temp:** >800 degF
- Extinguishing Media:** Use appropriate material for surrounding area
- Specific Chemical Hazard:** None
- Special Firefighting Procedures:** Fire fighters should wear self-contained breathing apparatus and full protection clothing when fighting chemical fires. Cool exposed containers with water spray.
- Hazardous Combustion Products:** See Hazardous Decomposition Products. (See Section #10)
- Hazardous Polymerization:** Will not occur

6 ACCIDENTAL RELEASE MEASURES



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Personal Precautions

Wear specified protective equipment. (See Section #8)

Environmental Precautions

Prevent from entering sewers or waterways. If environmental release does occur, inform the appropriate supervisory personnel. If safe to do so, prevent further release.

Methods for clean up

For small spills - Cover spill with absorbent material. Scoop absorbed material into a suitable container for disposal. Recover product to suitable containers or vessel for reuse, if possible, or for disposal.

For large spills - Immediately stop the flow of material if safe to do so. Dike the spill to prevent spreading. Use appropriate absorbent material and move into a suitable container. Wash the contaminated area.

7 HANDLING AND STORAGE

Handling Precautions: Wear specified protective equipment. (See Section #8) Use only in a well-ventilated area. Before use carefully read the product label. Use safe work practices to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking, and smoking in contaminated areas.

Storage Requirements: Keep container tightly closed. Store in cool, dry, well-ventilated area removed from incompatible substances, heat, or ignition sources and foodstuffs. Ensure containers are adequately labeled, protected from physical damage and sealed when not in use.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use only in a well-ventilated area.

Personal Protective Equipment: HMIS PP, C | Safety Glasses, Gloves, Apron
 Eye/face protection: Wear chemical safety goggles. If any inhalation hazards exist, a full-face respirator may be required instead.
 Hand protection: Wear chemical-resistant gloves.
 Skin protection: Wear long sleeves and chemical resistant apron to prevent repeated or prolonged skin contact.
 Respiratory protection: If a risk assessment deems necessary, use a properly fitted supplied air respirator complying with an approved standard.

Occupational Exposure Limits

Exposure limits are not available for this product.

Biological Limits:

No biological limits have been entered for this product.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, pale amber

Physical State: Liquid

Odor: Mild

Odor Threshold: No data available

Solubility: Complete in water

Spec Grav./Density: 1.07-1.08

Viscosity: Thin liquid

Boiling Point: >200 degF

Freezing/Melting Pt.: No data available

Flammability: Non-combustible

Flash Point: No data available

Partition Coefficient: No data available

Vapor Pressure: No data available

Vapor Density: No data available

pH: 6.5-8.5



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Evap. Rate: No data available
Auto-Ignition Temp: >800 degF
Decomp Temp: >600 degF
UFL/LFL: No data available

10 STABILITY AND REACTIVITY

Reactivity: None known
Chemical Stability: Stable under normal conditions of use.
Conditions to Avoid: Strong oxidizers
Materials to Avoid: Strong oxidizers and acids
Hazardous Decomposition: Carbon monoxide. Carbon Dioxide
Hazardous Polymerization: None known

11 TOXICOLOGICAL INFORMATION

Acute toxicity estimates:
 Oral - >1800 mg/kg
 Dermal - >5000 mg/kg
 Inhalation (vapors) - >15 mg/kg

Skin corrosion/irritation:
 May cause dermatitis

Serious eye damage/irritation:
 May cause mild irritation

Sensitization:
 May cause mild skin or respiratory irritation

Mutagenicity:
 No applicable toxicity data

Carcinogenicity:
 None of the components of this product have been listed as carcinogenic by IARC, NTP, or OSHA. (IARC - International Agency for Research on Cancer) (NTP - National Toxicology Program) (OSHA - Occupational Safety & Health Administration (US))

Reproductive toxicity:
 No applicable toxicity data

Specific target organ toxicity (single exposure):
 No applicable toxicity data

Specific target organ toxicity (repeated exposure):
 No applicable toxicity data

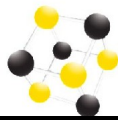
Aspiration hazard:
 Not available

Likely routes of entry anticipated:
 Eye and skin contact

Toxicological symptoms related to the physical, chemical, and characteristics:
 Information is not available

Delayed and immediate effects and also chronic effects from short and long term exposure:
 Information is not available

12 ECOLOGICAL INFORMATION



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Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

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

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life.

13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product: Burn in a chemical incinerator equipped with an afterburner and scrubber. 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

UN2735, Amines, liquid, corrosive, n.o.s., or Polyamines, liquid, corrosive, n.o.s., 8, PGIII

Land transport ADR/RID and GGVS/GGVE:

UN Number UN2735 Corrosive liquids, amines

Transport hazard class 8

Packing group III

Sea transport IMDG/GGVSee:

UN Number UN2735 Corrosive liquids, amines

Transport hazard class 8

Packing group III

Air Transport ICAO-TI and IATA-DGR:

UN Number UN2735 Corrosive liquids, amines

Transport hazard class 8

Packing group III

Transport/Further information:



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15 REGULATORY INFORMATION

[%] RQ (CAS#) Substance - Reg Codes

[30-55%] Water (7732-18-5) TSCA

[20-30%] Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides (68424-85-1) TSCA

[<10%] Glutaraldehyde (111-30-8) HAP, MASS, OSHAWAC, PA, TSCA, TXAIR

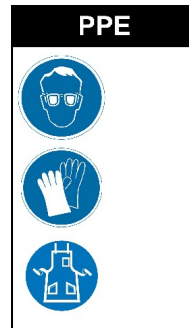
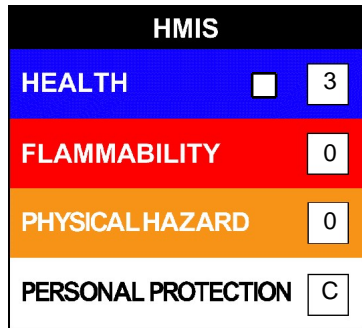
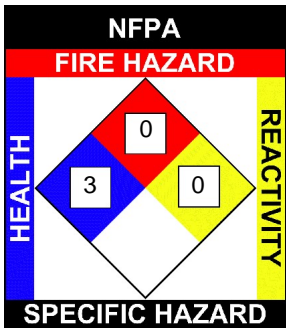
This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory Code Legend

- TSCA = Toxic Substances Control Act
- HAP = Hazardous Air Pollutants
- MASS = MA Massachusetts Hazardous Substances List
- OSHA = OSHA Workplace Air Contaminants
- PA = PA Right-To-Know List of Hazardous Substances
- TXAIR = TX Air Contaminants with Health Effects Screening Level

16 OTHER INFORMATION

NFPA: Health = 3, Fire = 0, Reactivity = 0, Specific Hazard = n/a
HMIS III: Health = 3, Fire = 0, Physical Hazard = 0
HMIS PPE: C - Safety Glasses, Gloves, Apron



The information contained herein is based on data considered accurate, however, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes risk in his use of the material.

Revision:	Section Changed:	Changes Made:	Date:
1	N/A	Initial issue of document	10-24-2019
2	Sec 14	Transport info updated	11-19-2019
3	Sec 3	Formulation updated	1-27-2020

Revision Date: 1/27/2020