

Section 1: IDENTIFICATION

Product name Gil QF-20 Other names n/a  
E.P.A. Registration Number: 10324-141-35156  
Recommended use/restrictions heavy-duty cleaning  
Use only as recommended on label or tech sheet.

Distributor/manufacturer



**Gilmer Industries, Inc.**

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Open Monday-Friday, 8am–5pm Eastern time zone

EMERGENCY TELEPHONE NUMBER (24-hours daily) CHEMTREC 1.800.424.9300

Section 2: HAZARDS IDENTIFICATION

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazard classification SKIN CORROSION/IRRITATION, Category 1  
EYE DAMAGE/IRRITATION, Category 1  
CORROSIVE TO METALS, Category 1

	<b>EMERGENCY OVERVIEW</b>
	Clear liquid with organic odor <b>DANGER</b> Causes severe skin burns and serious eye damage May be corrosive to metals This material is harmful to aquatic life.

PRECAUTIONARY STATEMENTS

Prevention	Do not breathe dusts or mists. Wear protective gloves and clothing. Wear eye or face protection. Wash hands thoroughly after handling. Keep only in original container.
Response	<u>If in eyes:</u> 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. <u>If on skin (or hair):</u> Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a poison center or doctor. <u>If inhaled:</u> Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor. <u>If swallowed:</u> Immediately call a poison center or doctor. Rinse mouth. Do NOT induce vomiting. Absorb spillage to prevent material damage.
Storage	Store locked up in a corrosive resistant container with a resistant inner liner in a cool, well-ventilated area. Do not store with oxidizers.
Disposal	Avoid disposal. Attempt to use product completely in accordance with intended use. Dispose of in accordance with federal, state and local regulations.

Hazards not otherwise classified n/a      Ingredient of unknown acute toxicity n/a

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient	% by wt.	CAS number	Synonyms
alkyl(C <sub>12-16</sub> )dimethylbenzylammonium chloride	6.0-7.0	68424-85-1	benzalkonium chloride
didctyl dimenthyl ammonium chloride	9.5-10.5	7173-51-5	
ethanol	2.0-3.0	64-17-5	ethyl alcohol, grain alcohol

Section 4: FIRST AID MEASURES

- Inhalation      Remove person to fresh air and keep comfortable for breathing. Immediately call a poison center or doctor.
- Eye contact      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.
- Skin contact      Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a poison center or doctor.
- Ingestion      Immediately call a poison center or doctor. Rinse mouth. Do NOT induce vomiting.

SYMPTOMS/ EFFECTS

- Inhalation      coughing, respiratory tract irritation / May cause respiratory irritation
- Eye contact      pain, watering, redness / Causes serious eye damage
- Skin contact      pain or irritation, redness, blistering / Causes severe burns
- Ingestion      stomach pains / May cause burns to mouth, throat and stomach

Note to Physicians      Treat symptomatically. If large quantities have been ingested or inhaled, contact poison treatment specialist immediately.

Section 5: FIRE-FIGHTING MEASURES

- Suitable extinguishing media: In case of fire, use water spray, foam, carbon dioxide, or dry chemical.
- Specific hazards arising from the chemical: In a fire or heated, a pressure increase will occur, and the container may burst.
- Hazardous thermal decomposition products: n/a
- Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

- Personal precautions: Keep people out of area. Put on appropriate protective equipment (see Section 8). Do not touch or walk through spilled material.
- Environmental precautions: Avoid contact of spilled material and runoff with soil and surface waterways.
- Methods for clean-up: Absorb/neutralize liquid material. Use a tool to scoop up solid or absorbed material, and put into appropriate labeled container. Use a warm water rinse for final clean-up.

Section 7: HANDLING AND STORAGE

Handling	Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Use only with adequate ventilation. Wash thoroughly after handling.
Storage	Store locked up in a corrosive resistant container with a resistant inner liner in a cool, well-ventilated area. Do not store with oxidizers.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES alkyl(C<sub>12-16</sub>)dimethylbenzylammonium chloride  
 ACGIH TLV: not established  
 OSHA PEL: not established  
 NIOSH REL: not established

didctyl dimenthyl ammonium chloride ACGIH TLV: not established  
 OSHA PEL: not established  
 NIOSH REL: not established

ethanol ACGIH TLV-STEL: 1000 ppm [URT irr]  
 OSHA PEL-TWA: 1000 ppm  
 NIOSH REL-TWA: 1000 ppm

ENGINEERING CONTROLS Use only with adequate ventilation. If operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

PERSONAL PROTECTION

Eye	Wear chemical splash goggles. For continued or severe exposures, wear a face shield over goggles.
Hand	Wear chemical-resistant, impervious gloves.
Skin	Wear a synthetic apron and other protective equipment to prevent skin contact.
Respiratory	None needed under normal and intended conditions of use.
Hygiene measures	Wash hands, forearms and face thoroughly after handling or before eating, smoking or using the lavatory. Wash contaminated clothing before reuse.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Physical state liquid Color clear  
 Odor organic Odor threshold n/a pH 7.31 (max pH=14)  
 Melting point/freezing point n/a Boiling point/range n/a  
 Flash point none when heated to 105° C (TCC) Evaporation rate n/a  
 Flammability n/a Upper/lower flammability or explosive limits n/a  
 Vapor pressure n/a Vapor density n/a Relative density 1.01 (water=1)  
 Solubility complete (water) Partition coefficient: n-octanol/water n/a  
 Auto-ignition temperature n/a Decomposition temperature n/a  
 Viscosity 13.6mm<sup>2</sup>/s(cSt) @ 22° F

Section 10: STABILITY AND REACTIVITY

Reactivity n/a

Chemical stability stable at normal temperatures and pressures

Possibility of hazardous reactions n/a

Conditions to avoid Keep away from heat and strong oxidizing agents.

Incompatible materials strong oxidizers, reducing agents

Hazardous decomposition products carbon monoxide, carbon dioxide, hydrogen chloride vapors

Section 11: TOXICOLOGICAL INFORMATION

Likely routes of exposure: skin and eye contact, inhalation, ingestion

SYMPTOMS

eye contact: pain, watering, redness; skin contact: pain or irritation, redness, blistering;  
inhalation: coughing, respiratory tract irritation; ingestion: stomach pains

ACUTE TOXICITY

Eye contact Causes serious eye damage

Skin contact Causes severe burns

Inhalation May cause respiratory irritation

Ingestion May cause burns to mouth, throat and stomach

CHRONIC TOXICITY n/a

TOXICITY DATA Gil QF-20 LD<sub>50</sub> oral rat > 1,000mg/kg; LD<sub>50</sub> dermal rabbit > 2,000mg/kg

National Toxicology Program Report on Carcinogens (NTP) not listed

International Agency for Research on Cancer Monographs (IARC) not listed

OSHA (carcinogens) not listed

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity harmful to aquatic life

Section 13: DISPOSAL CONSIDERATIONS

Disposal Avoid disposal. Attempt to use product completely in accordance with intended use.  
Dispose of in accordance with federal, state and local regulations.

RCRA class Unused product is D002 (Corrosive).

Section 14: TRANSPORT INFORMATION

US DOT shipping description UN1903, Disinfectant liquid, corrosive, n.o.s.  
(Quaternary Ammonium Compound), 8, PG III

Section 15: REGULATORY INFORMATION

TSCA: All components are listed or exempt. SARA III 313, Form R no listed substance

Section 16: OTHER INFORMATION

HMIS (health 3, flammability 0, reactivity 0); NFPA (health 3, flammability 0, reactivity 0)

Abbreviations: ACGIH American Conference of Governmental Industrial Hygienists, Inc.  
n/a no applicable information available

NIOSH National Institute for Occupational Safety and Health

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OSHA Occupational Safety and Health Administration  
PEL Permissible Exposure Limit  
REL Recommended Exposure Limit  
SARA Superfund Amendments and Reauthorization Act  
ST Short Term Exposure Limit  
STEL Short Term Exposure Limit  
TLV Threshold Limit Value  
TSCA Toxic Substance Control Act  
TWA Time Weighted Average  
URT Upper Respiratory Tract

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