

MATERIAL SAFETY DATA SHEET

SECTION 1. PRODUCT/MANUFACTURER'S IDENTITY

PRODUCT NAME: QUAT 256 **PRODUCT I.D. NUMBER (PIN):** N.A.
PRODUCT NUMBER: 00256DN **WHMIS CLASS:** B3, E
PRODUCT USE: Concentrated quaternary disinfectant/cleaner **DOT HAZARD CLASS:** Not regulated.
COMPANY: Essential Industries, Inc.
P.O. Box 12
Merton, WI 53056-0012
DOT SHIPPING NAME: N.A.
EMERGENCY PHONE: 1-800-843-6174

H.M.I.S.

3	HEALTH	HAZARD RATING 4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant
1	FIRE	
0	REACTIVITY	
B	MAXIMUM PERSONAL PROTECTION	

A = Goggles B = Goggles & Gloves C = Goggles, Gloves & Apron

ABBREVIATION KEY: N.A. = Not Applicable N.E. = Not Established N.D. = Not Determined

SECTION 2 - HAZARDOUS INGREDIENTS INFORMATION

HAZARDOUS CHEMICAL IDENTITY	CAS NO.	%	PEL	TLV	LD50	LC50
Alkyl dimethyl benzyl ammonium chloride	68391-01-5	5-10	N.E.	N.E.	N.D.	N.D.
Alkyl dimethyl ethyl benzyl ammonium chloride (C12-14)	68956-79-6	5-10	N.E.	N.E.	N.D.	N.D.
Ethanol	64-17-5	0.0-1.0	N.E.	N.E.	7060 mg/kg	N.D.

This mixture does not contain components which are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR, Part 372.

SECTION 3 - PHYSICAL DATA

Color: Blue. **Boiling Point:** 100°C (212°F) **Vapor Pressure:** 30 mm of Hg **pH:** 11.3-12.3
Odor: Bland. **Freezing Point:** 0°C (32°F) **Vapor Density (Air=1):** <1 **1% pH:** 8.8-9.8
Physical State: Liquid **Water/Oil Distribution:** N.E. **Evaporation Rate (Water=1):** N.E. **Specific Gravity:** 1.04 gm/ml
Solubility in Water: Complete **Odor Threshold:** N.E. **VOC Content:** 0.5% **Weight per Gallon:** 8.72 lbs./gal.

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: >200°F **Autoignition Temperature:** N.A. **Extinguishing Media:** Use dry chemical or CO₂.
Flammable Limits: N.D. **LEL:** N.A. **UEL:** N.A. **Special Fire Fighting Procedures:** Qualified persons wearing full fire-fighting suits and approved/certified self-contained breathing apparatus.
Hazardous Combustion Products: N.A. **Unusual Fire and Explosion Hazards:** Avoid all possible sources of ignition (spark or flame).

SECTION 5 - REACTIVITY DATA

Chemical Stability: Stable. **Hazardous decomposition of By-Products:** carbon oxides (CO, CO₂) and water
Incompatibility (Materials to Avoid): Strong oxidizing materials **Hazardous Polymerization:** Will not occur.

SECTION 6 - TOXICOLOGICAL PROPERTIES

Routes of Entry: Ingestion, Inhalation, Eye contact, and Skin contact **Toxicologically Synergistic Products:** None identified.
Sensitization: No. **Medical Conditions Aggravated by Exposure:** None known.
EFFECTS OF OVEREXPOSURE (Acute and/or Chronic):
Eyes: May cause severe burns, irritation and damage, especially at higher concentrations. **Carcinogenic Effects:** No carcinogenic effect.
Skin: May cause severe burns, irritation and damage, especially at higher concentrations. **Mutagenic Effects:** No mutagenic effect.
Ingestion: May cause burns to mouth, throat and stomach. **Teratogenic Effects:** No teratogenic effect.
Inhalation: May cause irritation of respiratory tract, coughing, shortness of breath. **Reproductive Toxicity:** No reproductive toxicity effect.

SECTION 7 - PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: A respirator is not needed under normal and intended conditions of product use. **Ventilation:** Local exhaust ventilation should be provided. (Explosion proof)
Protective Gloves: Rubber gloves. **Eye Protection:** Chemical splash goggles.
Protective Clothing and Equipment: Wear appropriate protective clothing to prevent skin contact. **Work and Hygienic Practices:** After handling, always wash hands thoroughly with soap and water.
Storage Requirements: Keep container tightly closed in a cool, well-ventilated place. **Other Requirements:** Keep out of the reach of children.

Steps to be Taken if Material is Spilled or Released: Absorb with an inert material and transfer the spilled material and absorbent to an appropriate waste disposal container.

Waste Disposal: Dispose of as permitted by all regulatory authorities.

SECTION 8 - EMERGENCY FIRST AID PROCEDURES

FIRST AID - NOTES TO PHYSICIAN:

Eyes: Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.
Skin: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin.
Ingestion: Seek medical attention. Do not induce vomiting unless directed by a physician. Give large amounts of water or milk.
Inhalation: Move exposed person to fresh air. In all cases of doubt, or when symptoms persist, seek medical attention.
Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

SECTION 9 - PREPARATION INFORMATION

Prepared By: Regulatory Affairs Department **Phone:** 262-538-1122 **Date of Preparation:** 1/10/2008.