

Material Safety Data Sheet

Quat Rinse

1. Product and company identification

Product name	Quat Rinse	In case of emergency	1-800-843-6174
Code	2331FS	Validation date	1/4/2011.
Material uses	Concentrated quaternary sanitizer	Print date	1/4/2011.
Manufacturer	Essential Industries, Inc. P.O. Box 12 Merton, WI 53056-0012 Phone: 262-538-1122	Responsible name	Regulatory Affairs Department

Hazardous Material Information System (U.S.A.)

Health	3	HAZARD RATING
Flammability	0	4 = Extreme
Physical hazards	0	3 = High
Personal protection	B	2 = Moderate
		1 = Slight
		0 = Insignificant

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

2. Hazards identification

Emergency overview	Corrosive to the eyes, skin, gastrointestinal tract, and respiratory system. No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing.
Potential acute health effects due to overexposure	
Inhalation	Mists and vapors can irritate the throat and respiratory tract. High vapor concentrations may cause central nervous system effects. Symptoms may include headaches, dizziness, and drowsiness. Harmful if inhaled.
Ingestion	Although relatively low in toxicity, ingestion can cause gastrointestinal irritation, swelling of the larynx, difficulty in breathing, circulatory shock, convulsions and possibly death.
Skin	Causes corrosive burns. Brief exposures may cause irritation and defatting of the skin. Exposures not promptly washed off may lead to toxic effects similar to ingestion. Harmful if absorbed through the skin.
Eyes	Causes burns and may result in permanent injury to eyes including blindness.
Potential chronic health effects due to overexposure	
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Developmental effects	No known significant effects or critical hazards.
Fertility effects	No known significant effects or critical hazards.
See toxicological information (section 8)	

3. Composition/information on ingredients

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

4. First aid measures

Eye contact	Immediately flush eyes with water for 15-20 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention at once
Skin contact	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
Inhalation	If symptoms are experienced, move victim to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
Ingestion	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
Protection of first-aiders	No action shall be taken involving any personal risk or without suitable training.
Notes to physician	Probable mucosal damage may contraindicate the use of gastric lavage

5. Fire-fighting measures

Flammability of the product	In a fire or if heated, a pressure increase will occur and the container may burst.
Extinguishing media	
Suitable	Use an extinguishing agent suitable for the surrounding fire.
Special exposure hazards	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Hazardous thermal decomposition products	Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides
Special protective equipment for fire-fighters	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Flash point	None when heated to 100oC – Cleveland Open Cup

6. Control and preventive measures

Storage	Keep container tightly closed in a cool, well-ventilated place. Keep from freezing. Do not handle or store near an open flame, heat or other sources of ignition. Prevent electrostatic charge buildup by using common bonding and grounding techniques.
Personal protection	
Respiratory	If exposure limits are exceeded or if irritation is experienced, a NIOSH/MSHA approved respirator with an organic-vapor removing cartridge should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposure.
Hands	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Skin	Use impervious gloves (rubber or neoprene). Wear suitable protective clothing.
Eyes	Wear chemical goggles. Use a face shield if splashing is possible.
Methods for cleaning up	
Small spill	Ventilate closed spaces before entering. All equipment used when handling the product must be grounded. Floor will be slippery. Do not touch or walk through spilled material. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.
Waste disposal	Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.


7. Physical and chemical properties

Physical state	Liquid	Boiling/condensation point	100°C (212°F)
Color	Colorless	Melting/freezing point	0°C (32°F)
Odor	Bland	Vapor pressure	4 kPa (30 mm Hg)
VOC	0.4%	Vapor density	<1 [Air = 1]
pH	7 to 8	Weight per Gallon:	8.29 lbs./gal.
1% pH:	7 to 8	Specific Gravity:	.994 gm/ml
Solubility	Complete		

8. Toxicological information

Acute toxicity	
Conclusion/Summary	Not available
Chronic toxicity	
Conclusion/Summary	Not available

9. Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
DOT Classification	UN1903	Disinfectant Liquid Corrosive, N.O.S. (Quaternary Ammonium Compound),	8	III		-

PG* : Packing group