

SAFETY DATA SHEET

PRODUCT
MIC QUAT 64

1-25-17

FILE NO.: NAME OF

MSDS DATE: / /

FILE # 0200.1

DATE: 6/15/15

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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **MIC QUAT 64 LEMON. PINE OR MINT**
SYNONYMS: QUAT DISINFECTANT
PRODUCT CODES: 0200.1

*Mic Quat 64 Lemon Step
Disinfectant Germicidal
Detergent and Deodorant*

MANUFACTURER: MIC INDUSTRIES INC
DIVISION:
ADDRESS: 10892 HILLPOINT, SAN ANTONIO, TEXAS 78217

EMERGENCY PHONE: 210-590-1114
CHEMTREC PHONE:
OTHER CALLS:
FAX PHONE: 210-590-1173

CHEMICAL NAME: QUAT DISINFECTANT
CHEMICAL FAMILY:
CHEMICAL FORMULA:

PRODUCT USE: TO DISINFECT AREAS AND HARD FLOORS
PREPARED BY: HAL MATTHEWS

SECTION 1 NOTES:

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

G

HEALTH ENVIRONMENTAL PHYSICAL

ACUTE TOXICITY – Oral

EYE CORROSION – Serious eye damage/eye irritation

SKIN CORROSION – Irritation

SKIN SENSITIZATION – Will burn skin if left on skin and not rinsed.

MUTAGENICITY – N/A

REPRODUCTIVE/DEVELOPMENTAL –

TARGET ORGAN TOXICITY (REPEATED) –

TOXICITY – Ingestion of ethanol by pregnant women can cause reproductive toxicity to the fetus.

GHS LABEL:

SIGNAL WORD –

HAZARD STATEMENTS: Harmful if swallowed or if inhaled, Causes serious eye damage. Causes corrosive burns.

PRECAUTIONARY STATEMENTS: Prevetion, avidn breathing dust/fume/gas/mist/vapors/spray. Wash skin thoroughly after Handling. Do not eat, drink or smoke when using this product. Wear eye protection/ face protection. Use in well ventilated area.

SECTION 3 NOTES: Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CASRN	CONCENTRATION
Alkyl dimethyl benzyl ammonium chloride	68424-85-1	*
Didecyl dimethyl ammonium chloride	7173-51-5	**
Ethanol	64-17-5	*

SECTION 3 NOTES:

(SEE SECTION 8 FOR EXPOSURE LIMITS)

SECTION 4: FIRST AID MEASURES

EYES: If product enters the eyes, open eyes while under gently running water. Use sufficient force to open eyelids. Roll eyes to expose more surface. Minimum flushing is for 15 minutes. Seek immediate Medical attention.

SKIN: If the product contaminates the skin, immediately begin decontamination with running water. Minimum flushing is for 15 minutes. Remove contaminated clothing, taking care not to contaminate eyes. If skin becomes irritated and irritation persists, Medical attention may be necessary. Wash contaminated clothing before reuse.

INHALATION: After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, trained Personnel should immediately give artificial respiration. If the heart has stopped, trained personnel should immediately begin Cardiopulmonary resuscitation (CPR). Seek immediate medical attention.

SWALLOWING: If swallowed, CALL PHYSICIAN OR POISON CONTROL CENTER FOR MOST CURRENT INFORMATION. If professional advice is not available, give 2 glasses of water to drink. DO NOT INDUCE VOMITTING. Never induce vomiting or Give liquids to someone who is un conscious, having convulsions, or unable to swallow. Seek medical attention immediately.

NOTES TO PHYSICIAN: There are no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the

SECTION 4 NOTES:

SECTION 5: FIRE-FIGHTING MEASURES



FLAMMABLE LIMITS IN AIR, UPPER: N/A



(% BY VOLUME)

LOWER: N/A

FLASH POINT:

F: N/A

C: N/A

METHOD USED:

AUTOIGNITION TEMPERATURE:

F: N/A

C: N/A

NFPA HAZARD CLASSIFICATION

HEALTH: 2

FLAMMABILITY: 0

REACTIVITY: 2

OTHER:

HMIS HAZARD CLASSIFICATION

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HEALTH: 1
PROTECTION:

FLAMMABILITY: 0

REACTIVITY: 1

EXTINGUISHING MEDIA: Use dry powder, alcohol-resistant foam, water spray, carbon dioxide.

SPECIAL FIRE FIGHTING PROCEDURES: Water spray may be ineffective on fire but can protect fire-fighters & cool closed containers. Use fog nozzles if water is used. Do not enter confined fire-space without full bunker gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustible. Isolate from oxidizers, heat, & open flame. Closed containers may explode if exposed to extreme heat. Empty container very hazardous! Continue all label precautions.

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Uncontrolled releases should be responded to by trained personnel using pre-planned procedures. Proper protective equipment should be used. In case of a spill, clear the affected area, protect people, and respond with trained personnel.

SECTION 6 NOTES:
Tightly closed

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Isolate from oxidizers, heat, and open flames. Do not get in eyes, on skin or clothing. Use only with adequate ventilation. Avoid or repeated breathing of vapor or spray mist. Wear OSHA Standard goggles or face shield. Consult safety equipment supplier. Wear goggles, face shield, gloves, apron & footwear impervious to material. Wash clothing before reuse.

OTHER PRECAUTIONS: Storage-
Isolate from strong oxidants. Keep container tightly closed and upright when not in use to prevent leakage.

SECTION 7 NOTES:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMITS

CAS#	EINECS#	TWA (OSHA)	TLV (ACGIH)
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This product contains no EPA Hazardous Air Pollutants (hap) in amounts > 0.1%

ENGINEERING CONTROLS:

VENTILATION : Necessary Mechanical
Special: None

RESPIRATORY PROTECTION: Maintain airborne contaminant concentrations below exposure limits given above.

EYE PROTECTION: Splash goggles or safety goggles. Face shields are recommended when the operation can generate splashes, sprays or mists.

SKIN PROTECTION: Use body protection appropriate for task.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WORK HYGIENIC PRACTICES: Provide readily accessible eye wash stations & safety showers. Wash at the end of each shift and before eating.

EXPOSURE GUIDELINES:

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Liquid, water like.

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ODOR: CHARACTERISTIC: Chemical

PHYSICAL STATE: liquid

pH AS SUPPLIED: 6 to 8 ph

pH (Other): BOILING POINT: 60 TO 195 C

F: 331 to 342 f

C: 166 to 172 c

MELTING POINT: N/A

F:

C:

FREEZING POINT:

F: 5 TO 29 F

C: N/A

VAPOR PRESSURE (mmHg): 14.6 – 80 mmHG AT 20 C
@ 20 C

F:

C:

VAPOR DENSITY (AIR = 1): 1.3 @ 20 C
@ AIR=1

F: 68

C: 20

SPECIFIC GRAVITY (H2O = 1): .902
@ POUNDS PER GALLON 7.514

F:

C:

EVAPORATION RATE: 0.153

BASIS (=1):

SOLUBILITY IN WATER: COMPLETE

PERCENT SOLIDS BY WEIGHT: %

PERCENT VOLATILE: NO AVAILABLE
BY WT/ BY VOL @

F:

C:

VOLATILE ORGANIC COMPOUNDS (VOC) :25 %

WITH WATER:	LBS/GAL 7.5 LBS GAL.
WITHOUT WATER:	LBS/GAL 2.5 LBS GAL.

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

STABLE

X

UNSTABLE

STABILITY: UNDER NORMAL CONDITIONS

CONDITIONS TO AVOID (STABILITY): Isolate from oxidizers, heat and open flame.

INCOMPATIBILITY (MATERIAL TO AVOID): Reacts to strong oxidants, causing fire and explosion hazard.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon Monoxide, Carbon Dioxide from burning.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID (POLYMERIZATION):

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: EYES AND SKIN CONTACT: Primary irritation to skin, dermatitis. Absorption thru skin

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Increases exposure. Primary irritation to eyes, redness, tearing, blurred vision. Liquid can cause irritation. WASH THOROUGHLY AFTER HANDLING.

INHALATION: Anesthetic. Irritates respiratory tract. Acute exposure can cause serious nervous system depression. Vapor Harmful.

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION:

ALL WORK PRACTICES MUST BE AIMED AT ELIMINATED EVIORMRNTAL CONTAMINATION

This product may be harmful or fatal to plant and animal life if released into the environment.

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Recycle / dispose of observing national, regional, state and local health, safety and pollution laws.

RCRA HAZARD CLASS:

SECTION 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: CLEANING COMPOUND, NOI, LIQUID

HAZARD CLASS:

ID NUMBER:

PACKING GROUP: NOT REGULATED ON TRUCKS IN CONTAINERS OF <119 GALLONS.

LABEL STATEMENT:

WATER TRANSPORTATION N/A

PROPER SHIPPING NAME:

HAZARD CLASS: NONE

ID NUMBER: 0192

PACKING GROUP:

LABEL STATEMENTS:

AIR TRANSPORTATION

PROPER SHIPPING NAME:

HAZARD CLASS:

ID NUMBER:

PACKING GROUP:

LABEL STATEMENTS:

OTHER AGENCIES:

SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT):

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): N/A

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): SARA SECTION 3211/312 HAZARDS

311/312 HAZARD CATEGORIES: NONE

313 REPORTABLE INGREDIENTS: NONE

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STATE REGULATIONS:

INTERNATIONAL REGULATIONS:

SECTION 15 NOTES:

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SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION:

DISCLAIMER: The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformance to contracted specifications. All information appearing herein, is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency.

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This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

Unless updated, the Safety Data Sheet is valid until 6-15 2020.