

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Q.A.® Concentrated Solution
PRODUCT TYPE: Quaternary Ammonium Chloride Sanitizer and Disinfectant
E.P.A. Reg. No. 6198-4-AA

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SECTION I - MANUFACTURER

NATIONAL CHEMICALS, INC.
105 Liberty Street
Winona, MN 55987

PHONE NUMBERS:

Emergency: 800-533-0027
FAX: 507-454-5641

For Chemical Spill Emergency ... See CHEMTREC on Page 2.

Date Prepared: January 1, 2005

SECTION II - HAZARDOUS INGREDIENTS

CHEMICAL NAME (COMMON NAME) CAS NO. OSHA PEL OTHER
n-Alkyl dimethyl benzyl ammonium chloride 5197-80-8 N/A
n-Alkyl dimethyl ethylbenzyl ammonium chloride

This product contains no other component considered hazardous according to the criteria of 29 CFR 1910.1200

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

APPEARANCE and ODOR: Clear, green liquid, slight ammonia smell.
SOLUBILITY in WATER: Complete.
SPECIFIC GRAVITY: 1.02 BOILING POINT: 212° F
pH: EVAPORATION RATE: N/A

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

SPECIAL FIRE HAZARD: None.
FIRE FIGHTING METHODS: Product does not support combustion.

SECTION V - REACTIVITY DATA

STABILITY: Stable under normal conditions of handling.
CONDITIONS TO AVOID: Do not mix with anything but water. Keep from freezing.
MATERIAL: Keep container closed when not in use.
INCOMPATIBILITY (Materials to Avoid): Neutralized by anionic compounds, strong oxidizers or reducing agents.

SECTION VI - HEALTH HAZARD DATA

EFFECTS and HAZARDS of OVEREXPOSURE (Acute and Chronic)

EFFECTS and HAZARDS of EYE CONTACT: Irritant.
EFFECTS and HAZARDS of SKIN CONTACT: Irritant.
EFFECTS and HAZARDS of INHALATION: None.
EFFECTS and HAZARDS of INGESTION: Harmful if swallowed.

EMERGENCY and FIRST AID PROCEDURES

TREATMENT for EYE CONTACT: Flush with cool, running water for at least 15 minutes.
TREATMENT for SKIN CONTACT: Immediately wash skin and clothing with soap and water.
TREATMENT for INHALATION: Remove to fresh air.
TREATMENT for INGESTION: Rinse mouth at once. Do not induce vomiting. Drink large quantities of fluids.

CALL A POISON CONTROL CENTER OR PHYSICIAN IMMEDIATELY

SECTION VII - HMIS/NFPA LABEL INFORMATION

HEALTH: 1 1 KEY: 0 - MINIMAL
FLAMMABILITY: 0 0 1 - SLIGHT
REACTIVITY: 0 0 2 - MODERATE
WARNING: 3 - SERIOUS
WARNING: 4 - SEVERE

HMIS = HAZARDOUS MATERIALS IDENTIFICATION SYSTEM

NFPA = NATIONAL FIRE PROTECTION ASSOCIATION

SECTION VIII - CONTROL MEASURES

EYE PROTECTION: Keep out of eyes.
SKIN PROTECTION: None.
RESPIRATORY PROTECTION: Avoid breathing mist or spray.
HYGIENIC PRACTICES: Wash hands with soap and water after handling product.

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SECTION IX - PRECAUTIONS FOR SAFE HANDLING AND USE

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SPILL OR LEAK PROCEDURES

**CLEAN UP:** Mop or wipe up small spills. Rinse area thoroughly. Flush residue into sewer with plenty of water.

**WASTE DISPOSAL:** Thoroughly rinse empty container and dispose of in an approved disposal facility in accordance with all federal, state and local regulations.

STORAGE

**STORAGE:** Avoid contact with skin and eyes. Keep container tightly closed. Keep from freezing. Do not expose to heat or direct sunlight.

OTHER PRECAUTIONS

**KEEP OUT OF REACH OF CHILDREN.**

**AVOID CONTAMINATION OF FOOD OR FOOD HANDLING EQUIPMENT.**

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**FOR CHEMICAL EMERGENCY**  
Involving Shipping & Handling  
Spill, Leak, Fire, Exposure or Accident  
Call CHEMTREC ... Day or Night  
1-800-424-9300

**ABBREVIATIONS:**

< = LESS THAN  
> = MORE THAN

N/A = NOT APPLICABLE  
N/D = NOT DETERMINED  
N/E = NOT ESTABLISHED

UNK = UNKNOWN

The information and recommendations in this Material Safety Data Sheet are based upon data believed to be correct and does not relate to its use in combination with any other material or process. Since use conditions vary, we assume no liability for failure to follow product use direction and safety precautions. As data, standards and regulations change; NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

Date: January 1, 2005

**NATIONAL CHEMICALS, INC.**  
**P.O. Box 32**  
**Winona, MN 55987-0032**

