

# Material Safety Data Sheet



## 5% QUAT ALGAECIDE

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### SECTION I - IDENTIFICATION

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MANUFACTURER'S NAME .....Haviland Consumer Products, Inc.  
MANUFACTURER'S ADDRESS .....421 Ann St., N.W., Grand Rapids, MI 49504  
PHONE NUMBER..... (616) 361-6691  
EMERGENCY PHONE NUMBER .....CHEMTREC (800) 424-9300  
EFFECTIVE DATE.....11/11/02  
TRADE NAME.....**5% QUAT ALGAECIDE**  
CHEMICAL FAMILY.....Quaternary Ammonium Compound

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### SECTION II - HAZARDOUS INGREDIENTS

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HAZARDOUS INGREDIENTS	OSHA PEL	TLV (Units)	CAS NUMBER
Alkyl Dimethyl Benzyl Ammonium Chloride	Not Established	Not Established	68424-85-12
Ethyl Alcohol	100ppm	100pp	64-17-5

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### SECTION III - PHYSICAL DATA

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BOILING POINT ..... Not Applicable  
FREEZING POINT ..... Not Applicable  
VAPOUR PRESSURE ..... Not Applicable  
VAPOUR DENSITY (air=1) ..... Not Applicable  
SOLUBILITY IN H<sub>2</sub>O..... Completely  
ODOUR AND APPEARANCE ..... Blue; Slight Aromatic odor  
SPECIFIC GRAVITY ..... 0.99  
pH..... Not Established

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### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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FLASHPOINT AND METHOD OF DETERMINATION .....Not Determined  
LOWER EXPLOSIVE LIMIT (% by Volume) ..... Not Applicable  
UPPER EXPLOSIVE LIMIT (% by Volume) ..... Not Applicable  
MEANS OF EXTINCTION.....As for surrounding fire.  
SPECIAL FIRE FIGHTING PROCEDURES.....Cool fire exposed containers.  
UNUSUAL FIRE HAZARD.....None Currently Known

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### SECTION V - HEALTH HAZARD DATA

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CARCINOGENICITY, REPRODUCTIVE EFFECTS ..... None  
NTP?..... No  
IARC MONOGRAPHS?..... No  
OVER EXPOSURE EFFECTS ..... May be fatal if swallowed in large quantities. Circulation shock, respiration depression, convulsions.  
PRIMARY ROUTE(S) OF ENTRY..... Eye and Skin Contact  
SPECIFIC FIRST AID PROCEDURES ..... In case of eye contact: Flush immediately with plenty of water for at least 15 minutes and get medical attention; for skin, wash thoroughly with soap and water; wash contaminated clothing before reuse. If inhaled: Remove to fresh air. If swallowed: Immediately drink large quantity of milk, egg white, gelatin solution or if these are not available,

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EXPOSURE AGGRAVATED MEDICAL  
CONDITIONS

drink large quantities of water. Avoid alcohol. Call physician  
immediately.  
None Currently Known

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## SECTION VI - REACTIVITY DATA

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CHEMICAL STABILITY ..... Stable  
CONDITIONS TO AVOID ..... Do not mix with any other chemicals, especially strong oxidizers or reducing agents.  
INCOMPATIBLE MATERIALS ..... Soaps, Anionic Detergents  
HAZARDOUS DECOMPOSITION PRODUCTS ..... Hydrogen chloride fumes, carbon oxides, nitrogen oxides.  
HAZARDOUS POLYMERIZATION ..... Will Not Occur  
POLYMERIZATION AVOID ..... Not Applicable

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## SECTION VII - SPILL OR LEAK PROCEDURE

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LEAK AND SPILL PROCEDURES ..... Small Spills: Flush area with large quantities of water. Large Spills: Absorb with compound such as clay and bury material in approved landfill.  
WASTE DISPOSAL ..... Incineration. Comply with all federal, state and local regulations.

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## SECTION VIII - SPECIAL PROTECTION

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RESPIRATORY PROTECTION ..... None Required  
VENTILATION ..... None Required for Normal Use  
PROTECTIVE GLOVES ..... Rubber or other impervious materials.  
EYE PROTECTION ..... Chemical splash proof goggles.  
OTHER PROTECTIVE EQUIPMENT ..... A safety shower and eye bath should be available. For operations where spills or splashing may occur, use an impervious body covering and boots.  
HANDLING PROCEDURES AND EQUIPMENT ..... Store in cool, dry, well ventilated area. Keep containers closed when not in use.

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## SECTION IX - SPECIAL PRECAUTIONS

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HAZARD CLASS ..... Corrosive, 8, II  
DOT SHIPPING NAME ..... Corrosive Liquid, N.O.S. or ORM-D (1 gallon or less)  
UN NUMBER ..... UN1903  
REPORTABLE QUANTITY (RQ) ..... Not Listed

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REFERENCES

ZZ1ALK5 EPA REG. 57787-20