

# Material Safety Data Sheet



CLARIFIER

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## SECTION I - IDENTIFICATION

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MANUFACTURER'S NAME .....Haviland Consumer Products, Inc.  
MANUFACTURER'S ADDRESS .....421 Ann St., NW, Grand Rapids, MI 49504  
PHONE NUMBER..... (616) 361-6691  
EMERGENCY PHONE NUMBER .....CHEMTREC (800) 424-9300  
EFFECTIVE DATE.....8/3/04  
TRADE NAME.....**CLARIFIER**  
CHEMICAL FAMILY.....Quaternary ammonia homopolymer

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## SECTION II - HAZARDOUS INGREDIENTS

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HAZARDOUS INGREDIENTS	OSHA PEL	TLV (Units)	CAS NUMBER
**SEE NOTE UNDER "REFERENCES" AT END OF MSDS**	OSHAPEL	TLV	PCASNUM

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## SECTION III - PHYSICAL DATA

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BOILING POINT ..... 212°F  
FREEZING POINT ..... No Information Available  
VAPOUR PRESSURE ..... No Information Available  
VAPOUR DENSITY (air=1) ..... No Information Available  
SOLUBILITY IN H<sub>2</sub>O..... Complete  
ODOUR AND APPEARANCE ..... Clear Blue Liquid; Slight Odor  
SPECIFIC GRAVITY ..... 1.01  
pH..... No Information Available

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## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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FLASHPOINT AND METHOD OF DETERMINATION .....>212°F  
LOWER EXPLOSIVE LIMIT (% by Volume) ..... Not Applicable  
UPPER EXPLOSIVE LIMIT (% by Volume) ..... Not Applicable  
MEANS OF EXTINCTION.....Water fog, carbon dioxide, foam, dry chemical.  
SPECIAL FIRE FIGHTING PROCEDURES.....Use SCBA with full-face shield  
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 cause irritation  
PRIMARY ROUTE (S) OF ENTRY ..... Eye Contact  
SPECIFIC FIRST AID PROCEDURES ..... In case of contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation persists. If inhaled: Remove to fresh air. For Skin: Thoroughly flush skin with plenty of water and wash contaminated clothes before reuse. Ingestion: Do not induce vomiting. Get immediate medical attention.  
EXPOSURE AGGRAVATED MEDICAL CONDITIONS ..... None Currently Known

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## SECTION VI - REACTIVITY DATA

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CHEMICAL STABILITY ..... Stable  
CONDITIONS TO AVOID ..... Not Applicable  
INCOMPATIBLE MATERIALS..... Strong oxidizing agents  
HAZARDOUS DECOMPOSITION PRODUCTS..... None Currently Known  
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..... Reclaim as much spilled material as possible. Cover residue with absorbent material and shovel into closable containers. Do not flush away to sewers or any natural waterways.  
WASTE DISPOSAL..... Comply with all federal, state and local regulations.

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## SECTION VIII - SPECIAL PROTECTION

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RESPIRATORY PROTECTION ..... None Required for Normal Use  
VENTILATION ..... None Required for Normal Use  
PROTECTIVE GLOVES..... Rubber or other impervious materials.  
EYE PROTECTION..... Safety glasses or 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 area. Wash thoroughly after handling.

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## SECTION IX - SPECIAL PRECAUTIONS

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HAZARD CLASS ..... None  
DOT SHIPPING NAME..... WATER TREATMENT COMPOUND  
UN NUMBER ..... None  
REPORTABLE QUANTITY (RQ)..... Not Listed

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## REFERENCES

ZZ1CLRFR  
HMIS H=1 F=0 R=0 P=B  
\*NOTE\* Other components of this product are

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being withheld as trade secret in accordance with OSHA Hazard Communication Standard 29CFR 1910.1200(i). In medical emergency, health professionals may obtain identity of components by calling CHEMTREC (800) 424-9300 in accordance with 29CFR 1910.1200(i)(2). Otherwise 29CFR 1910.1200(i)(3) and (4) apply.