

Material Safety Data Sheet



CLARIFIER CONCENTRATE

SECTION I - IDENTIFICATION

MANUFACTURER'S NAMEHaviland Consumer Products, Inc.
MANUFACTURER'S ADDRESS421 Ann St., NW, Grand Rapids, MI 49504
PHONE NUMBER..... (616) 361-6691
EMERGENCY PHONE NUMBERCHEMTREC (800) 424-9300
EFFECTIVE DATE.....7/27/04
TRADE NAME.....**CLARIFIER CONCENTRATE**
CHEMICAL FAMILY.....Quaternary ammonia homopolymer

SECTION II - HAZARDOUS INGREDIENTS

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

SECTION III - PHYSICAL DATA

BOILING POINT 212oF
FREEZING POINT No Information Available
VAPOUR PRESSURE No Information Available
VAPOUR DENSITY (air=1) No Information Available
SOLUBILITY IN H2O..... Complete
ODOUR AND APPEARANCE Clear Blue Liquid; Slight Odor
SPECIFIC GRAVITY 1.01
pH..... No Information Available

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT AND METHOD OF DETERMINATION>212oF
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

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

SECTION VI - REACTIVITY DATA

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

SECTION VII - SPILL OR LEAK PROCEDURE

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.

SECTION VIII - SPECIAL PROTECTION

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.

SECTION IX - SPECIAL PRECAUTIONS

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

REFERENCES

ZZ1CLCON
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.