

Material Safety Data Sheet



LIQUID FILTER HELPER

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.....7/15/04
TRADE NAME.....**LIQUID FILTER HELPER**
CHEMICAL FAMILY.....Inorganic Salt

SECTION II - HAZARDOUS INGREDIENTS

| HAZARDOUS INGREDIENTS | OSHA PEL | TLV (Units) | CAS NUMBER |
|--------------------------------|---------------------------|---------------------------|------------|
| Polyaluminum Chloride Solution | 2 mg/m ³ as Al | 2 mg/m ³ as Al | 1327-41-9 |

SECTION III - PHYSICAL DATA

BOILING POINT 220°F
FREEZING POINT -13°F
VAPOUR PRESSURE NOT ESTABLISHED
VAPOUR DENSITY (air=1) NOT ESTABLISHED
SOLUBILITY IN H₂O..... COMPLETELY
ODOUR AND APPEARANCE CLEAR TO SLIGHTLY HAZY LIQUID, WATER WHITE, ODORLESS
SPECIFIC GRAVITY 1.19
pH..... NOT ESTABLISHED

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT AND METHOD OF DETERMINATION WILL NOT BURN
LOWER EXPLOSIVE LIMIT (% by Volume)
UPPER EXPLOSIVE LIMIT (% by Volume)
MEANS OF EXTINCTION..... AS FOR SURROUNDING FIRE.
SPECIAL FIRE FIGHTING PROCEDURES..... WEAR SELF CONTAINED BREATHING APPARATUS. IF HEATED TO DECOMPOSITION PRODUCT EMITS TOXIC PHOSPHORUS PENTOXIDE FUMES.
UNUSUAL FIRE HAZARD..... PHOSPHORIC ACID WILL NOT BURN BUT CAN REACT WITH METALS TO LIBERATE HYDROGEN GAS THAT CAN FORM FLAMMABLE OR EXPLOSIVE MIXTURES WITH AIR.

SECTION V - HEALTH HAZARD DATA

CARCINOGENICITY, REPRODUCTIVE EFFECTS NONE
NTP?..... NO
IARC MONOGRAPHS?..... NO
OVER EXPOSURE EFFECTS NO DATA AVAILABLE
PRIMARY ROUTE (S) OF ENTRY EYE AND SKIN CONTACT
SPECIFIC FIRST AID PROCEDURES IN CASE OF CONTACT: IMMEDIATELY FLUSHE EYES AND SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. FOR EYES GET MEDICAL ATTENTION INGESTION: DO NOT

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EXPOSURE AGGRAVATED MEDICAL
CONDITIONS

INDUCE VOMITING. IF CONSCIOUS, GIVE LARGE QUANTITIES
OF WATER TO DILUTE. CALL A PHYSICIAN IMMEDIATELY.
NONE CURRENTLY KNOWN

SECTION VI - REACTIVITY DATA

CHEMICAL STABILITY STABLE
CONDITIONS TO AVOID NOT APPLICABLE
INCOMPATIBLE MATERIALS ALKALIES, MANY METALS.
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 CONTAIN MAJOR SPILLS TO KEEP OUT OF WATER SOURCES.
SMALL SPILLS MAY BE WASHED TO A CHEMICAL SEWER,
NEUTRALIZED WITH SODA ASH OR ABSORBED ON AN INERT
MATERIAL.
WASTE DISPOSAL DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL STATE AND
LOCAL REGULATIONS.

SECTION VIII - SPECIAL PROTECTION

RESPIRATORY PROTECTION SUPPLIED AIR OR SELF-CONTAINED BREATHING APPARATUS
WITH FULL FACEPIECE.
VENTILATION TO MAINTAIN VAPORS BELOW LIMITS.
PROTECTIVE GLOVES RUBBER OR OTHER IMPERVIOUS MATERIAL.
EYE PROTECTION SPLASH PROOF CHEMICAL GOGGLES.
OTHER PROTECTIVE EQUIPMENT FOR OPERATIONS WHERE SPILLS OR SPLASHING MAY OCCUR.
USE AN IMPERVIOUS BODY COVERING AND BOOTS. A SAFETY
SHOWER AND EYE BATH SHOULD BE AVAILABLE.
HANDLING PROCEDURES AND EQUIPMENT STORE AWAY FROM HEAT AND STRONG ALKALIES. WEAR
PROTECTIVE EQUIPMENT DURING HANDLING. KEEP CONTAINER
CLOSED WHEN NOT IN USE. NEVER USE PRESSURE TO EMPTY. DO
NOT STORE NEAR ORGANIC OR OTHER READILY OXIDIZABLE
MATERIALS.

SECTION IX - SPECIAL PRECAUTIONS

HAZARD CLASS ORM-D
DOT SHIPPING NAME CONSUMER COMMODITY
UN NUMBER NONE
REPORTABLE QUANTITY (RQ) 6.666lbs.

REFERENCES

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