

Material Safety Data Sheet



WATER HARDNESS INCREASER

SECTION I - IDENTIFICATION

MANUFACTURER'S NAMEHaviland Consumer Products, Inc.
MANUFACTURER'S ADDRESS421 Ann St., N.W., Grand Rapids, MI 49504
PHONE NUMBER..... (616) 361-6691
EMERGENCY PHONE NUMBERCHEMTREC (800) 424-9300
EFFECTIVE DATE.....7/16/04
TRADE NAME.....**WATER HARDNESS INCREASER**
CHEMICAL FAMILY.....Inorganic

SECTION II - HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	OSHA PEL	TLV (Units)	CAS NUMBER
No hazardous components in accordance with OSHA 29CFR 1910.1200.	OSHAPEL	TLV	PCASNUM

SECTION III - PHYSICAL DATA

BOILING POINT 347oF, 175oC
FREEZING POINT Approx. 174oC
VAPOUR PRESSURE 1.0 mmHg @ 20oC, 68oF
VAPOUR DENSITY (air=1) Not Applicable
SOLUBILITY IN H2O..... 42% by wt. (anhydrous) @ 20oC
ODOUR AND APPEARANCE Small White Flakes; Odorless
SPECIFIC GRAVITY 1.85
pH..... Neutral or Slightly Alkaline

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASHPOINT AND METHOD OF DETERMINATIONNot Flammable
LOWER EXPLOSIVE LIMIT (% by Volume) Not Applicable
UPPER EXPLOSIVE LIMIT (% by Volume) Not Applicable
MEANS OF EXTINCTION.....As for Surrounding Fires
SPECIAL FIRE FIGHTING PROCEDURES.....Fire fighters could wear SCBA self-contained breathing apparatus and full protective clothing. Keep people away. Isolate fire area and deny unnecessary entry.
UNUSUAL FIRE HAZARD.....None Currently Known

SECTION V - HEALTH HAZARD DATA

CARCINOGENICITY, REPRODUCTIVE EFFECTS None
NTP?..... No
IARC MONOGRAPHS?..... No
OVER EXPOSURE EFFECTS Irritation or burns to eyes; irritation to nose, throat and lungs; may irritate gastrointestinal tract; may cause skin irritation and superficial burns; contact with open wound can cause severe necrosis.
PRIMARY ROUTE(S) OF ENTRY Inhalation; Eye and Skin Contact
SPECIFIC FIRST AID PROCEDURES In case of contact: Immediately flush eyes and skin with plenty of water for at least 15 minutes. For eyes, get medical attention. If inhaled:

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EXPOSURE AGGRAVATED MEDICAL
CONDITIONS

Remove to fresh air. If swallowed: Do not induce vomiting unless
directed to do so by medical personnel. Seek medical attention.
None Currently Known

SECTION VI - REACTIVITY DATA

CHEMICAL STABILITY Stable
CONDITIONS TO AVOID None currently known
INCOMPATIBLE MATERIALS Corrosive to some metals, avoid contact with brass, mild steel, aluminum, or
ferrous metals. Flammable hydrogen may be generated from contact with
metals such as zinc or sodium. Avoid contact with sulfuric acid. Heat is
generated when mixed with water. Zinc as in galvanized iron: yields hydrogen
gas with solutions, which may explode under these conditions.
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 Shovel up dry chemical and place in metal drum with a cover. Cautiously
spray residue with plenty of water. Place recovered material in a properly
labeled container. Keep large spills out of natural waterways.
WASTE DISPOSAL Do not dump into any sewers, on the ground, or into any body of water.
Comply with all federal, state and local regulations.

SECTION VIII - SPECIAL PROTECTION

RESPIRATORY PROTECTION For dusty or misty conditions, wear NIOSH approved dust or mist respirator.
VENTILATION Provide general and/or local exhaust ventilation to control airborne levels
below the exposure guidelines.
PROTECTIVE GLOVES Rubber or other impervious materials.
EYE PROTECTION Use safety glasses, or chemical splash proof goggles when handling solutions
of this material.
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 Heat developed during diluting or dissolving is very high. Use cool water
when diluting or dissolving. Store in cool, dry area. Keep containers closed
when not in use.

SECTION IX - SPECIAL PRECAUTIONS

HAZARD CLASS None
DOT SHIPPING NAME Not Hazardous - Not Regulated
UN NUMBER None
REPORTABLE QUANTITY (RQ) Not Listed

REFERENCES

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