

KOTC-
Add to List

MATERIAL SAFETY DATA SHEET

CAUSTIC SODA 50%, LIQUID

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SECTION I - IDENTIFICATION

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MANUFACTURER'S NAME..... Haviland Products Company
ADDRESS (STREET,CITY,STATE,ZIP) 421 Ann St., N.W., Grand Rapids, MI 49504
PHONE NUMBER..... (616) 361-6691
EMERGENCY PHONE NUMBER..... CHEMTREC (800) 424-9300
EFFECTIVE DATE..... 10/15/98
TRADE NAME..... CAUSTIC SODA 50%, LIQUID
CHEMICAL FAMILY..... Alkali

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SECTION II - HAZARDOUS INGREDIENTS

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HAZARDOUS COMPONENTS	OSHA/PEL	ACGIH/TLV (Units)	PROD. CAS #
Sodium Hydroxide (Caustic Soda) (48.5-51.0% by wt)	2 mg/m ³ TWA	2 mg/m ³ TWA	1310-73-2

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SECTION III - PHYSICAL DATA

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BOILING POINT..... 288°F (142°C)
FREEZING POINT 58°F (14.7°C)
VAPOR PRESSURE (mm Hg)..... 1.5 @ 20°C
VAPOR DENSITY (Air=1)..... No Information Available
SOLUBILITY IN H2O..... Completely
APPEARANCE/ODOR..... Clear, Colorless Liquid; Odorless
SPECIFIC GRAVITY (H2O=1)..... 1.52
PH..... Not Established

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT..... Not Flammable
LOWER EXPLOSIVE LIMIT (% by Volume) Not Applicable
UPPER EXPLOSIVE LIMIT (% by Volume) Not Applicable
EXTINGUISH MEDIA..... As for Surrounding Fires
SPECIAL FIRE FIGHTING PROCEDURES... Wear NIOSH/MSHA approved self contained breathing apparatus and full protective equipment when this material is involved in a fire.
UNUSUAL FIRE HAZARD..... In solution caustic can react with amphoteric metals generating hydrogen which is flammable and/or explosive if ignited.

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SECTION V - HEALTH HAZARD DATA

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CARCINOGENICITY..... None

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NTP..... No
IARC..... no
OVER EXPOSURE EFFECTS..... Redness of Exposed Tissues with possible
burns resulting in deep ulceration.
PRIMARY ROUTE(S) OF ENTRY..... Skin Contact
FIRST AID PROCEDURES..... If inhaled: Remove to fresh air. If
not breathing, give artificial respiration,
preferably mouth-to-mouth. If breathing is
difficult, give oxygen. Get medical
attention.
In case of contact: Immediately
flush eyes or skin with plenty of water for
at least 15-30 minutes while removing
contaminated clothing and shoes. Get
medical attention. Wash clothing before
reuse.
Ingestion: Do not induce vomiting.
If conscious, dilute by giving several
glasses of water. Call a Physician
Immediately.
EXPOSURE AGGRAVATED MEDICAL CONDITIONS None Currently Known

SECTION VI - REACTIVITY DATA

CHEMICAL STABILITY..... Stable
CONDITIONS TO AVOID..... Not Applicable
INCOMPATIBLE MATERIALS..... Acids
DECOMPOSITION PRODUCTS..... None Currently Known
HAZARDOUS POLYMERIZATION..... Will Not Occur
POLYMERIZATION AVOID..... Not Applicable

SECTION VII - SPILL OR LEAK PROCEDURE

FOR SPILL Add non-reactive dry, absorbent such as
diatomaceous earth. Shovel or sweep up and
place in an approved DOT container and
seal. Flush contaminated area and
neutralize with dilute acid.
WASTE DISPOSAL METHOD..... Dispose of spilled or waste product,
contaminated soil and other contaminated
materials in licensed landfill or treatment
facility in accordance with all federal,
state and local regulations.

SECTION VIII - SPECIAL PROTECTION

RESPIRATORY PROTECTION..... Supplied air or self contained breathing
apparatus with full face piece.
VENTILATION..... To maintain vapors below limits.

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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 AND STORAGE..... Store in warm, dry, well ventilated area.
Keep containers closed when not in use.

SECTION IX - SPECIAL PRECAUTIONS

HAZARD CLASS..... Corrosive, 8, PG II
DOT SHIPPING NAME..... SODIUM HYDROXIDE, SOLUTION
UN NUMBER..... UN1824
REPORTABLE QUANTITY (RQ)..... 2200 lbs.

REFERENCES CASODA50

