

MATERIAL SAFETY DATA SHEET

BW 17

Latest Revision Date...10/07/02

Print Date.....02/03/05

SECTION 1 MANUFACTURER INFORMATION

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SECTION 2 PRODUCT IDENTIFICATION

PRODUCT NUMBER..... CWT BW17
TRADE NAME OR CHEMICAL NAME... BW 17
SYNONYMS..... NA
CHEMICAL FAMILY..... Internal Boiler Treatment
NFPA - HEALTH HAZARD..... 3
FIRE HAZARD..... 0
REACTIVITY HAZARD..... 0
NFPA SCALE..... 4=Extreme 3=High 2=Moderate 1=Slight 0=Insignificant
KEY..... NA= Not Applicable ND= Not Determined

SECTION 3 HAZARDOUS INGREDIENTS

CHEMICAL NAME(S)	CAS NUMBER	% WT	TLV-TWA	PEL	SEC.313	CARCINOGEN?
Potassium Hydroxide	1310-58-3	<20	2 mg/m3	2 mg/m3	No	No

SECTION 4 SHIPPING DATA

D.O.T. PROPER SHIPPING NAME... Corrosive Liquid, Basic, Inorganic, N.O.S. (Potassium Hydroxide)
D.O.T. HAZARD CLASS..... Corrosive Material Class 8
D.O.T. LABELS REQUIRED..... Corrosive
UN/NA I.D. NUMBER..... UN 3266
PACKAGING GROUP..... II
NON-BULK SHIPPING NAME..... Corrosive Liquid, Basic, Inorganic, N.O.S. (Potassium Hydroxide), 8, UN 3266, PG II
BULK SHIPPING NAME..... Corrosive Liquid, Basic, Inorganic, N.O.S. (Potassium Hydroxide), 8, UN 3266, PG II, RQ (If 6,670 lbs. or more in one package)

SECTION 5 PHYSICAL DATA

BOILING/FREEZING POINT @760 mmHg... 220°F (105°C) / ND
pH..... 13.8
VAPOR PRESSURE mm Hg @20° C..... ND
VAPOR DENSITY (Air = 1)..... ND
PERCENT VOLATILE BY WEIGHT (%)..... 55
SPECIFIC GRAVITY @20°C..... 1.26
SOLUBILITY IN WATER..... Complete
EVAPORATION RATE..... (Water=1) <1
APPEARANCE AND ODOR..... Dark brown liquid with faint characteristic odor.

SECTION 6 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Test Method)..... NA
AUTOIGNITION TEMPERATURE..... NA

SECTION 6

FIRE AND EXPLOSION HAZARD DATA

CONT'D

FLAMMABILITY LIMITS IN AIR (% V)... NA
 EXTINGUISHING MEDIA..... Not Combustible
 SPECIAL FIRE FIGHTING PROCEDURES... NA
 UNUSUAL FIRE & EXPLOSION HAZARDS... Material is strongly alkaline. Beware of exploding drums due to expansion.

SECTION 7

REACTIVITY DATA

PRODUCT STABILITY..... Stable
 Conditions to Avoid..... NA
 CHEMICAL INCOMPATIBILITY..... Strong acids, acidic materials. Potassium Hydroxide reacts with zinc, aluminum, tin and other active metals liberating flammable hydrogen gas.
 HAZARDOUS DECOMPOSITION PRODUCTS... NA
 HAZARDOUS POLYMERIZATION..... Will Not Occur

SECTION 8

HEALTH HAZARD DATA

SKIN CONTACT... Potassium Hydroxide component may cause irritation or alkali burns depending upon contact time and temperature.
 EYE CONTACT.... Immediate irritation and alkali burns may result from contact.
 INHALATION..... Unlikely route of exposure with normal handling.
 INGESTION..... Immediate esophageal burns will be produced upon ingestion.

SECTION 9

EMERGENCY AND FIRST AID PROCEDURES

SKIN.....Remove contaminated clothing and flush exposed skin with soap and water. If irritation persists or develops, get medical attention. Launder contaminated clothing before reuse.
 EYES.....Immediately flush eyes with large amounts of water for 15 minutes and get medical attention.
 INGESTION....If swallowed, DO NOT INDUCE VOMITING. Get medical attention immediately. Never give anything by mouth to an unconscious person.
 INHALATION...Move to fresh air. Aid in breathing, if necessary, and get medical attention.

SECTION 10

ENVIRONMENTAL DATA

SPILL OR LEAK PROCEDURES... Avoid skin contact. Neutralize with appropriate material and absorb onto sand or inert material. Place in suitable container for disposal. Flush neutralized residues to sanitary sewer.
 WASTE DISPOSAL METHOD..... Corrosive. Dispose of in accordance with all federal, state and local regulations.
 HAZARDOUS WASTE 40CFR261... Yes. Hazardous Waste Number: D002
 CONTAINER DISPOSAL..... Empty containers may contain residuals. Thoroughly clean, then offer for recycling, reuse, or disposal in accordance with governmental regulations.

SECTION 11

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION.....Respirator not required with most applications.
 VENTILATION.....Local exhaust is generally sufficient to minimize exposure.
 PROTECTIVE CLOTHING.....Neoprene gloves, apron, boots - as necessary to prevent skin contact.
 EYE PROTECTION.....Chemical goggles.
 OTHER PRECAUTIONS.....Safety shower and eyewash fountains should be easily accessible.

SECTION 12

SUPPLIER INFORMATION

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of manufacturer. The data on this sheet relates only to the specific material designated herein. Manufacturer assumes no legal responsibility for use or reliance upon this data.