

MATERIAL SAFETY DATA SHEET

BFW 0106 VO

Latest Revision Date...07/19/06

Print Date.....02/28/07

SECTION 1

MANUFACTURER INFORMATION

HYDRO-ZONE, INC.
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Romulus, Michigan 48174
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FOR CHEMICAL EMERGENCY
CALL INFOTRAC @ 1-800-535-5053
24 HRS/DAY, 7 DAYS/WEEK

SECTION 2

PRODUCT IDENTIFICATION

PRODUCT NUMBER..... HZ 0106VO
TRADE NAME OR CHEMICAL NAME... BFW 0106 VO
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	<5	2 mg/m3	2 mg/m3	No	No
Cyclohexylamine	108-91-8	<5	10 ppm	10 ppm	No	No
Diethylaminoethanol	100-37-8	<10	10 ppm	10 ppm	No	No
Morpholine	110-91-8	<10	20 ppm	20 ppm	No	No

SECTION 4

SHIPPING DATA

D.O.T. PROPER SHIPPING NAME... Corrosive Liquid, Basic, Inorganic, N.O.S. (Sodium 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. (Sodium Hydroxide), 8, UN 3266, PG II
BULK SHIPPING NAME..... Corrosive Liquid, Basic, Inorganic, N.O.S. (Sodium Hydroxide), 8, UN 3266, PG II, RQ (IF 7,500 lbs. or more in one package)

SECTION 5

PHYSICAL DATA

BOILING/FREEZING POINT @760 mmHg... 212°F (100°C) / <32°F (<0°C)
pH..... 13.5
VAPOR PRESSURE mm Hg @20° C..... ND
VAPOR DENSITY (Air = 1)..... ND
PERCENT VOLATILE BY WEIGHT (%)..... 75
SPECIFIC GRAVITY @20°C..... 1.07
SOLUBILITY IN WATER..... Complete
EVAPORATION RATE..... (Water=1) <1
APPEARANCE AND ODOR..... Dark amber liquid with amine odor.

SECTION 6 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Test Method)..... NA
 AUTOIGNITION TEMPERATURE..... NA
 FLAMMABILITY LIMITS IN AIR (% V)... NA
 EXTINGUISHING MEDIA..... Not Combustible
 SPECIAL FIRE FIGHTING PROCEDURES... Material is strongly alkaline. Beware of exploding drums.
 UNUSUAL FIRE & EXPLOSION HAZARDS... NA

SECTION 7 REACTIVITY DATA

PRODUCT STABILITY..... Stable
 Conditions to Avoid..... NA
 CHEMICAL INCOMPATIBILITY..... Strong acids
 HAZARDOUS DECOMPOSITION PRODUCTS... NA
 HAZARDOUS POLYMERIZATION..... Will Not Occur

SECTION 8 HEALTH HAZARD DATA

SKIN CONTACT... Extended contact will be corrosive to skin.
 EYE CONTACT... Immediately corrosive to corneal tissues.
 INHALATION.... Mists and vapors are irritating to the respiratory system.
 INGESTION..... Corrosive to esophagal linings.

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 with sand or inert material. Place in suitable container for disposal. Flush 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.