

MATERIAL SAFETY DATA SHEET

OS 1111

Latest Revision Date...07/19/06

Print Date.....09/07/06

SECTION 1 MANUFACTURER INFORMATION

HYDRO-ZONE, INC.
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(800) 255-3924

SECTION 2 PRODUCT IDENTIFICATION

PRODUCT NUMBER..... HZ 1111
TRADE NAME OR CHEMICAL NAME... OS 1111
SYNONYMS..... K12035-2
CHEMICAL FAMILY..... Oxygen Scavenger
NFPA - HEALTH HAZARD..... 2
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?
Sodium Bisulfite	7681-57-4	<20	5 mg/m3	5 mg/m3	No	No

SECTION 4 SHIPPING DATA

D.O.T. PROPER SHIPPING NAME... NA
D.O.T. HAZARD CLASS..... NA
D.O.T. LABELS REQUIRED..... NA
UN/NA I.D. NUMBER..... NA
PACKAGING GROUP..... NA
NON-BULK SHIPPING NAME..... Compounds, Boiler Cleansing, Liquid
BULK SHIPPING NAME..... Same

SECTION 5 PHYSICAL DATA

BOILING/FREEZING POINT @760 mmHg... 212°F (100°C) / ND
pH..... 12.0
VAPOR PRESSURE mm Hg @20° C..... ND
VAPOR DENSITY (Air = 1)..... ND
PERCENT VOLATILE BY WEIGHT (%)..... 80
SPECIFIC GRAVITY @20°C..... 1.20
SOLUBILITY IN WATER..... Complete
EVAPORATION RATE..... (Water=1) <1
APPEARANCE AND ODOR..... Light tan liquid with characteristic odor.

SECTION 6 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Test Method)..... NA
AUTOIGNITION TEMPERATURE..... NA
FLAMMABILITY LIMITS IN AIR (% V)... NA

SECTION 6 FIRE AND EXPLOSION HAZARD DATA

CONT'D

EXTINGUISHING MEDIA..... Not Combustible
 SPECIAL FIRE FIGHTING PROCEDURES... Oxides of sulfur may be liberated in very hot fire. Wear self-contained breathing apparatus.
 UNUSUAL FIRE & EXPLOSION HAZARDS... NA

SECTION 7 REACTIVITY DATA

PRODUCT STABILITY..... Stable
 Conditions to Avoid..... Temperatures above 212°F (100°C)
 CHEMICAL INCOMPATIBILITY..... Strong acids, strong oxidizers
 HAZARDOUS DECOMPOSITION PRODUCTS... Oxides of sulfur
 HAZARDOUS POLYMERIZATION..... Will Not Occur

SECTION 8 HEALTH HAZARD DATA

SKIN CONTACT... May cause irritation upon contact.
 EYE CONTACT... May cause irritation upon contact.
 INHALATION.... May cause breathing difficulties in sensitive individuals, particularly asthmatics.
 INGESTION..... May cause irritation.

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, 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... Flush with large amounts of water to sanitary sewer.
 WASTE DISPOSAL METHOD..... Dispose of in accordance with all federal, state and local regulations.
 HAZARDOUS WASTE 40CFR261... NA
 CONTAINER DISPOSAL..... Empty containers may contain residuals. Thoroughly clean then offer for recycling, reuse, or dispose of in accordance with 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.