

MATERIAL SAFETY DATA SHEET

CLT 4111DP

Latest Revision Date: 4/30/03

SECTION 1 MANUFACTURER INFORMATION

HYDRO-ZONE, INC.
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EMERGENCY CONTACT:
(800) 255-3924

SECTION 2 PRODUCT IDENTIFICATION

PRODUCT NUMBER.....4111DP
TRADE NAME OR CHEMICAL NAME.....CLT 4111DP
SYNONYMS.....NA
CHEMICAL FAMILY.....Corrosion Inhibitor --Closed System
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 NF= Not Determined

SECTION 3 HAZARDOUS IDENTIFICATION

<u>CHEMICAL NAME(S)</u>	<u>CAS NUMBER</u>	<u>% WT.</u>	<u>TLV-TWA</u>	<u>PEL</u>	<u>SEC. 313</u>	<u>CARCINOGEN?</u>
Sodium Nitrite	7632-00-0	<80	Not Established	Not Est.	Yes	No
Sodium Hydroxide	1310-73-2	<5	2 mg/ m ³	2 mg/ m ³	No	No

SECTION 4 SHIPPING DATA

D.O.T. PROPER SHIPPING NAME.....Sodium Nitrite, Mixture
D.O.T. HAZARD CLASS.....Oxidizer, Class 5.1
D.O.T. LABELS REQUIRED.....Oxidizer
UN/NA I.D. NUMBER.....UN 1500
PACKAGING GROUP.....III
NON-BULK SHIPPING NAME.....Sodium Nitrite, Mixture, 5.1, UN 1500, PG III
BULK SHIPPING NAME.....Sodium Nitrite, Mixture, 5.1, UN 1500, PG III, RQ (If 125 lbs. or more in one container)

SECTION 5 PHYSICAL DATA

BOILING/ FREEZING POINT @ 760 mmHg.....NA
pH.....11.0 (1% Solution)
VAPOR PRESSURE mmHg @ 20°C.....NA
VAPOR DENSITY (Air=1).....NA
PERCENT VOLATILE BY WEIGHT (%).....NA
SPECIFIC GRAVITY @20°C.....NA
SOLUBILITY IN WATER.....40%
EVAPORATION RATE.....NA
APPEARANCE AND ODOR.....Tan powder

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SECTION 6 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (PENSKY-MARTEN C.C.).....NA
AUTOIGNITION TEMPERATURE.....NA
FLAMMABILITY LIMITS IN AIR (% V).....NA
EXTINGUISHING MEDIA.....Not Combustible
SPECIAL FIRE FIGHTING PROCEDURES.....Wear self-contained breathing apparatus.
UNUSUAL FIRE & EXPLOSION HAZARDS.....Oxides of nitrogen may be liberated in hot fire.

SECTION 7 REACTIVITY DATA

PRODUCT STABILITY.....Stable
Conditions To Avoid.....Do not mix with acidic materials, oxides of nitrogen can be evolved.
CHEMICAL INCOMPATIBILITY.....Strong acids, strong oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS.....Oxides of nitrogen
HAZARDOUS POLYMERIZATION.....Will Not Occur

SECTION 8 HEALTH HAZARD DATA

SKIN CONTACT.....Can cause irritation from alkali constituents.
EYE CONTACT.....May cause irritation and permanent injury, if not rinsed immediately.
INHALATION.....Not a likely route of exposure.
INGESTION.....May cause irritation, internal injury.

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 seek medical attention.
INGESTION.....If swallowed, INDUCE VOMITING. Seek medical attention immediately.
INHALATION.....Move to fresh. Aid in breathing, if necessary, seek medical attention.

SECTION 10 ENVIRONMENTAL DATA

SPILL OR LEAK PROCEDURES.....Keep upwind. Avoid skin contact. Carefully shovel or sweep up material for reuse or place in suitable container for proper disposal. Do Not flush into sanitary sewer.
WASTE DISPOSAL METHOD.....Dispose of in accordance with all federal, state and local regulations.
HAZARDOUS WASTE 40CFR26.....NA
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.