

MATERIAL SAFETY DATA SHEET

EC 6121

Latest Revision Date: 02/20/03

SECTION 1 MANUFACTURER INFORMATION

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

SECTION 2 PRODUCT IDENTIFICATION

PRODUCT NUMBER.....6121
TRADE NAME OR CHEMICAL NAME.....EC 6121
SYNONYMS.....Process Equipment Cleaner
CHEMICAL FAMILY.....Alkaline Cleaner
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 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>
Potassium hydroxide	1310-58-3	<10	2 mg/M ³	2 mg/M ³	No	No
Sodium Silicate	1344-09-8	<20	2 mg/M ³	2 mg/M ³	No	No

SECTION 4 SHIPPING DATA

D.O.T. PROPER SHIPPING NAME.....Corrosive Liquid, Basic, Inorganic, N.O.S. (Potassium hydroxide), 8, UN 3266, PG II
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 18,832 lbs. or more in one container)

SECTION 5 PHYSICAL DATA

BOILING/ FREEZING POINT @ 760 mmHg.....210°F (99 °C)/ ND
pH.....13.5
VAPOR PRESSURE mmHg @ 20°C.....ND
VAPOR DENSITY (Air=1).....=1
PERCENT VOLATILE BY WEIGHT (%).....50
SPECIFIC GRAVITY @20°C.....1.331
SOLUBILITY IN WATER.....Complete
EVAPORATION RATE.....(Water=1) =1
APPEARANCE AND ODOR.....Clear, water white liquid with mild odor.

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SECTION 6 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (PENSKEY-MARTEN C.C.).....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.....May cause chemical burns to the skin.
EYE CONTACT.....May be destructive to eye tissue on contact.
INHALATION.....May cause irritation or ulceration.
INGESTION.....May cause damage to the respiratory tract.

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, DO NOT 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.....Avoid skin contact. Neutralize with appropriate material and flush residues to sanitary sewer. Prevent spread of spill.
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.