

MATERIAL SAFETY DATA SHEET

RLT 1180

Latest Revision Date: 11/10/03

SECTION 1 MANUFACTURER INFORMATION

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

SECTION 2 PRODUCT IDENTIFICATION

PRODUCT NUMBER.....1180
TRADE NAME OR CHEMICAL NAME.....RLT 1180
SYNONYMS.....NA
CHEMICAL FAMILY.....Internal Boiler Condensate Treatment
NFPA- HEALTH HAZARD.....2
 FIRE HAZARD.....2
 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>
Methoxypropylamine	5332-73-0	<45	Not Established	Not Established	No	No

SECTION 4 SHIPPING DATA

D.O.T. PROPER SHIPPING NAME.....Amines, Liquid, Corrosive, Flammable, N.O.S. (Methoxypropylamine)
D.O.T. HAZARD CLASS.....Primary--Corrosive Material Class 8. Secondary--Flammable Liquid Class 3.
D.O.T. LABELS REQUIRED.....Corrosive and Flammable
UN/NA I.D. NUMBER.....UN 2734
PACKAGING GROUP.....II
NON-BULK SHIPPING NAME.....Amines, Liquid, Corrosive, Flammable, N.O.S. (Methoxypropylamine), 8, (3) UN 2734, PG II.
BULK SHIPPING NAME.....Same

SECTION 5 PHYSICAL DATA

BOILING/ FREEZING POINT @ 760 mmHg.....212°F (100 °C)/ 25°F (-4 °C)
pH.....11.0
VAPOR PRESSURE mmHg @ 20°C.....ND
VAPOR DENSITY (Air=1).....>1
PERCENT VOLATILE BY WEIGHT (%).....100
SPECIFIC GRAVITY @20°C.....0.90
SOLUBILITY IN WATER.....Complete
EVAPORATION RATE.....(Water=1) =1
APPEARANCE AND ODOR.....Water white to straw yellow liquid with ammonia-like odor

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SECTION 6 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (PENSKY-MARTEN C.C.).....110°F T.C.C.
AUTOIGNITION TEMPERATURE.....ND
FLAMMABILITY LIMITS IN AIR (% V).....ND
EXTINGUISHING MEDIA.....Carbon dioxide, dry chemical, alcohol foam
SPECIAL FIRE FIGHTING PROCEDURES.....Wear self-contained breathing apparatus.
UNUSUAL FIRE & EXPLOSION HAZARDS.....NA

SECTION 7 REACTIVITY DATA

PRODUCT STABILITY.....Stable
Conditions To Avoid.....NA
CHEMICAL INCOMPATIBILITY.....Strong acids, oxidizers, nitrites
HAZARDOUS DECOMPOSITION PRODUCTS.....Burning can produce carbon monoxide, carbon dioxide, and nitrogen oxide.
HAZARDOUS POLYMERIZATION.....Will Not Occur

SECTION 8 HEALTH HAZARD DATA

SKIN CONTACT.....May cause skin irritation and burns to skin.
EYE CONTACT.....Will cause irritation. Corrosive and could cause eye damage.
INHALATION.....Excessive inhalation could cause nausea, irritation, light headedness, drowsiness, and chest pains.
INGESTION.....May cause severe gastrointestinal 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 seek medical attention.
INGESTION.....If swallowed, DO NOT INDUCE VOMITING. Seek medical attention immediately.
INHALATION.....Move to fresh air. Aid in breathing, if necessary, seek medical attention.

SECTION 10 ENVIRONMENTAL DATA

SPILL OR LEAK PROCEDURES.....Keep upwind and avoid skin contact. Absorb with sand or inert material and place in suitable container for disposal. Flush residues with large amounts of water to sanitary sewer.
WASTE DISPOSAL METHOD.....Ignitable and Corrosive. Dispose of in accordance with all federal, state and local regulations.
HAZARDOUS WASTE 40CFR261.....YES. HAZARDOUS WASTE NUMBERS: D001, 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.....NIOSH/ MSHA approved can or cartridge respirator for gas and vapor as needed to maintain P.E.L.
VENTILATION.....Local and/ or mechanical exhaust to maintain exposure below P.E.L.
PROTECTIVE CLOTHING.....Neoprene gloves, apron, boots----as necessary, to prevent skin contact.
EYE PROTECTION.....Chemical goggles or face shield.
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.