

MATERIAL SAFETY DATA SHEET

CL 34

Latest Revision Date...10/15/02

Print Date.....08/13/03

SECTION 1 MANUFACTURER INFORMATION

Clarity Water Technologies LLC
P.O Box 670
Twinsburg, Ohio 44087
Ph. (440) 708-1843 Fax (440) 708-1844

EMERGENCY CONTACT:
(800) 255-3924

SECTION 2 PRODUCT IDENTIFICATION

PRODUCT NUMBER..... CWT CL34
TRADE NAME OR CHEMICAL NAME... CL 34
SYNONYMS..... Liquid Nitrite
CHEMICAL FAMILY..... Corrosion Inhibitor
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

Table with 7 columns: CHEMICAL NAME(S), CAS NUMBER, % WT, TLV-TWA, PEL, SEC.313, CARCINOGEN?. Row 1: Sodium Nitrite, 7632-00-0, <40, Not Established, Not Established, Yes, No

SECTION 4 SHIPPING DATA

D.O.T. PROPER SHIPPING NAME... Environmentally Hazardous Substance, Liquid, N.O.S. (Sodium Nitrite)
D.O.T. HAZARD CLASS..... Class 9
D.O.T. LABELS REQUIRED..... Miscellaneous
UN/NA I.D. NUMBER..... UN 3082
PACKAGING GROUP..... III
NON-BULK SHIPPING NAME..... Compound, Industrial Process Water Treating Liquid
BULK SHIPPING NAME..... Environmentally Hazardous Substances, Liquid, N.O.S.(Sodium Nitrite),9,3082,PG III, RQ(If 270 lbs. or more in one package).

SECTION 5 PHYSICAL DATA

BOILING/FREEZING POINT @760 mmHg... ND / ND
pH..... 11.5
VAPOR PRESSURE mm Hg @20° C..... ND
VAPOR DENSITY (Air = 1)..... ND
PERCENT VOLATILE BY WEIGHT (%)..... 60
SPECIFIC GRAVITY @20°C..... 1.31
SOLUBILITY IN WATER..... Complete
EVAPORATION RATE..... (Water=1) <1
APPEARANCE AND ODOR..... Colorless liquid with characteristic odor.

SECTION 6 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Test Method)..... NA

SECTION 6**FIRE AND EXPLOSION HAZARD DATA**

CONT'D

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 prolonged contact.
 EYE CONTACT.... Can cause irritation 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 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... Avoid contact with material. Absorb with sand or inert material and place in suitable container for proper disposal. Do not flush into waterways.
 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 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.