

MATERIAL SAFETY DATA SHEET

MANUFACTURER:

H-B INSTRUMENT COMPANY
P.O. BOX 770
COLLEGEVILLE, PA 19426-0770

DATE: JUNE 1, 1993
SUPERCEDES: NONE

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EMERGENCY TELEPHONE
CHEM TEL, INC.
NO.: 800-255-3924

INFORMATION TELEPHONE
NO.: (215)489-5500 OR
FAX: (215)489-9100

HOURS: 0800 TO 1600 EASTERN TIME

I. PRODUCT INFORMATION

IDENTITY: ENVIRO-SAFE (TM) LIQUID INSIDE THERMOMETER
CHEMICAL NAME: MIXTURE OF BIODEGRADABLE TECHNICAL WHITE OIL, NATURAL CITRUS OILS AND DARK GREEN MONOAZO-ANTHROQUINONE DYE
CHEMICAL FAMILY: HYDROCARBON AND MONOAZO-ANTHROQUINONE DYE
FORMULA: NOT APPLICABLE
CAS REGISTRY NUMBER: NOT APPLICABLE CONTENTS OF THERMOMETERS LESS THAN 0.3ML.
DOT SHIPPING NAME: NOT APPLICABLE THIS PRODUCT IS EXMPT IN CONTAINERS UNDER
DOT HAZARD CLASS: NOT APPLICABLE 110 GALLOONS
DOT REG.# 49 CFR 173.118A

II. HAZARDOUS INGREDIENTS

COMPONENT(S)	HAZARD INFORMATION		
	OSHA PEL	ACGIH TLV	OTHERS
NONE KNOWN	NOT APPLICABLE	NOT APPLICABLE	NOT APPLICABLE

NO OTHER HAZARDS PER OSHA 29 CFR 1910.1200. NONE UNDER TITLE III OF SARA

III. PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT, C: 226.6 (ASTM D-1120)
VAPOR PRESSURE (MM HG): NOT DETERMINED
VAPOR DENSITY (AIR=1): NOT DETERMINED
SOLUBILITY IN WATER: <0.03% BY WEIGHT
APPEARANCE AND ODOR: DARK GREENISH LIQUID, CITRUS SMELL, VOLATILE
SPECIFIC GRAVITY, (H2O-1): 0.806 AT 23 C (ASTM D-792)
MELTING POINT: NOT APPLICABLE
EVAPORATION RATE (BUTYL ACETATE=1): 0.04

IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 73.3 C (T.C.C. ASTM D-56)
FLAMMABLE LIMITS IN AIR, LEL: NOT KNOWN UEL: NOT KNOWN
EXTINGUISHING MEDIA FOR FIRES: WATER FOG, CARBON DIOXIDE, FOAM, DRY CHEMICAL
SPECIAL FIRE FIGHTING PROCEDURES: DO NOT USE STREAM OF WATER
UNUSUAL FIRE AND EXPLOSION HAZARDS: MAY PRODUCE DENSE BLACK SMOKE
AND POTENTIALLY TOXIC FUME IF BULK QUANTITY OF LIQUID IS ALLOWED TO COMBUST

FORMULA: ENVIRO-SAFE(TM) LIQUID INSIDE THEMOMETER

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V. REACTIVITY DATA

STABILITY: (X) STABLE () UNSTABLE
CONDITIONS TO AVOID (STABILITY): AWAY FROM HEAT OR FLAME
MATERIALS TO AVOID: STRONG OXIDIZING OR REDUCING AGENT
HAZARDOUS DECOMPOSITION PRODUCTS: OXIDES OF CARBON, NITROGEN AND SULFUR ON COMBUSTION
HAZARDOUS POLYMERIZATION PRODUCTS: (X) MAY NOT OCCUR () MAY OCCUR
CONDITIONS TO AVOID (POLYMERIZATION): NONE KNOWN

VI. HEALTH HAZARD DATA

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