

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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