

Material Safety Data Sheet

Enviro-Safe® Liquid Inside Thermometer

Manufacturer

H-B Instrument Company
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Supersedes MSDS of February 10, 2004
Emergency Telephone No.: (800) 255-3924

I. PRODUCT INFORMATION

Identity: Enviro-Safe® 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
DOT Shipping Name: Not Applicable
DOT Hazard Class: Not Applicable

II. HAZARDOUS INGREDIENTS

Components: (Specific Chemical Identity; Common Name)

<u>Name</u>	<u>Hazard Information</u>		
	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHERS</u>
1. None Known	N/A	N/A	N/A

No other hazards per OSHA 29 CFR 1910.1200. None under the Title III of Sara

III. PHYSICAL AND CHEMICAL CHARACTERISTICS

Vapor Pressure: Not Determined
Vapor Density (Air=1): Not Determined
Specific Gravity (H₂O=1): 0.806 at 23°C (ASTM D-792)
Melting Point: Not Applicable
Evaporation Rate (Butyl Acetate=1): 0.04
Solubility In Water: <0.03% By Weight
Appearance and Odor: Dark Greenish Liquid, Citrus Smell, Volatile

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IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used):	73.3° C (T.C.C. ASTM-D56)
Flammability 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 water
Unusual Fire and Explosion Hazards:	May produce dense black smoke and potentially toxic fume if bulk quantity of liquid is allowed to combust

V. REACTIVITY DATA

Stability:	Stable
Materials to Avoid:	Strong oxidizing or reducing agents
Hazardous Decomposition Products:	Oxides of carbon, nitrogen and sulfur on combustion
Conditions to Avoid (Stability):	Away from heat or flame
Hazardous Polymerization Product:	May not occur
Conditions to Avoid (Polymerization):	None known

VI. HEALTH HAZARD DATA

Carcinogen or potential carcinogen:
NTP: N/A IARC: N/A OSHA: N/A

Health Hazard (Acute or Chronic):

Skin: Not a skin corrosive agent (4 Hr Exposure), NOT EXPECTED TO BE A HAZARD IN THE NORMAL INTENDED USE OF THE THERMOMETER

Eyes: NOT AN EYE IRRITANT PER USFHSA

Ingestion: Acute oral LD50 >5g/kg in rat, human ingestion hazard not known

Inhalation: Not known

Medical Conditions

Generally Aggravated

By Exposure: None known under normal use

Effects of Over Exposure: Can be irritating and corrosive to skin on prolonged exposure. NOT EXPECTED TO BE A HAZARD IN THE NORMAL INTENDED USE OF THE THERMOMETER

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Emergency and First Aid Procedures

Skin: Wash immediately with water. Consult physician if irritation occurs.
Eyes: Wash immediately with water. Consult physician if irritation occurs.
Ingestion: Do not induce vomiting. Consult physician at once.
Inhalation: If liquid enters into lung, consult physician at once.

VII. PRECAUTIONS FOR SAFE HANDLING AND USE

Spill or Leak Procedures: Absorb with dry sand or oil absorbent
Disposal Recommendations: Comply with federal, state, or local regulation
Storage and Handling Recommendations: Keep away from heat or flame
Other Precautions: None known

VIII. CONTROL MEASURES

Respiratory Protection (Specify Type): None required under normal use conditions
Ventilation: Local
Protective Gloves: None required under normal use conditions
Eye Protection: None required under normal use conditions
Other Protection Equipment or Clothing: Chemical resistant protecting clothing if handling bulk quantity of liquid
Work Hygiene Practice: Standard industrial hygiene practices recommended if handling bulk quantity of liquid

IX. REGULATORY INFORMATION

OSHA Compliance: Please see Section II
State Right-To-Know Compliance:
Pennsylvania: No known hazardous component
New Jersey: No known hazardous component
Massachusetts: No known hazardous component
California: May contain component(s) subjected to EPA, TSCA Section 8(e) Status Report – May be regulated under other Federal Regulations

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