

# Material Safety Data Sheet

## Manufacturer

H-B Instrument Company  
102 West Seventh Ave.  
Trappe, PA 19426  
Ph: 610-489-5500  
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Date: February 10, 2004  
Supercedes MSDS of January 8, 2001  
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 (H<sub>2</sub>O=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 USFHS

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

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

**X. WARRANTY LIMITATION**

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# MATERIAL SAFETY DATA SHEET

## Pylakrome Dark Green LX-1915A

### SECTION I — IDENTIFICATION

Company Name: Pylam Products  
Emergency Phone Number: 516-222-1750  
Effective Date: 12/01/89  
Revised Date: 12/09/92  
Chemical Name: Pylakrome Dark Green LX-1915A  
Trade Name: Pylakrome Dark Green LX-1915A  
Chemical Family: Monoazo, Anthraquinone  
Chemical Formula: Solvent Green 3 CAS# 128-80-3, Solvent Yellow 56 CAS# 2481-94-9,  
Solvent Violet 13 CAS# 81-48-1

### SECTION II — HAZARDOUS INGREDIENTS

Hazardous Components	Hazardous % TLV (Units)	Prod. CAS#
None as per 29CFR Part 1910.1200		Listed above
None under Title III of SARA		

### SECTION III — PHYSICAL DATA

Boiling Point (°F): N/A  
Freezing Point (°F): N/A  
Volatility/Vol. (%): N/A  
Melting Point: N/A  
Vapor Pressure: N/A  
Vapor Density (Air=1): N/A  
Solubility in H<sub>2</sub>O: Soluble  
Appearance/Odor: Greenish Powder/No odor  
Specific Gravity (H<sub>2</sub>O=1): N/A  
Evaporation Rate: N/A  
pH: N/A

## SECTION IV — FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A  
Lower Flame Limit: N/A  
Higher Flame Limit: N/A  
Extinguish Media: In case of fire use water spray, foam, dry chemical or CO<sub>2</sub>.  
For Fire: Dust may form explosive mixture with air.  
Unusual Fire Hazard: None

## SECTION V — HEALTH HAZARD DATA

Threshold Limit Value: N/A  
Overexposure Effects: HMIS Code: H=1, F=1, R=1, PP SD;  
Eyes: May cause eye irritation.  
Skin: May cause skin irritation and allergic reaction on contact.

## **RIGHT TO KNOW**

TSCA: In Compliance  
OSHA Hazard Classification: Listed above  
State Right-to-Know Laws:

<b>Ingredients</b>	<b>CAS#</b>	<b>PA</b>	<b>NJ</b>	<b>MA</b>
C.I. Solvent Green 3	128-80-3	NH	NH	NH
	H=Hazardous	NH=Non-hazardous		

First Aid Procedures:

Inhalation: If large amounts are inhaled, remove to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen and call a physician.

Skin Contact: Flush skin with plenty of water after excessive contact. Wash thoroughly with hand cream or hand cleaner.

Eye Contact: Flush eyes immediately with plenty of water for at least 15 minutes. Call a physician.

Ingestion: Induce vomiting immediately by giving two glasses of water. Get medical attention. Never give fluids to an unconscious person.

## SECTION VI — REACTIVITY DATA

Chemical Stability: Stable  
Conditions to Avoid: None  
Incompatible Materials: Oxidizing and reducing agents may destroy color  
Decomposition Products: CO, CO<sub>2</sub>, Oxides of Nitrogen, Sulfur, and other potentially toxic fumes  
Hazardous Polymerization  
Polymerization Avoid: None expected

**SECTION VII — SPILL OR LEAK PROCEDURE**

For Spill: Spills should be swept up and placed in containers. Spill areas can be washed with water. Collect wastewater for approved disposal.

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental regulations.

**SECTION VII (A) — REGULATORY INFORMATION**

EPA: In compliance with TSCA inventory  
USDA: Many products are on file. Please check with our registration department.  
Carcinogenicity: NTP, IARC, OSHA: None unless indicated in Section II of this Material Safety Data Sheet

**SECTION VIII — SPECIAL PROTECTION**

Respiratory Protection: Employees should avoid inhalation of dusts. Whenever potential for dusting exists, appropriate NIOSH/MSHA approved respirator with dust filter should be worn.  
Ventilation: Use local ventilation if dusting is a problem  
Protective Gloves: Wear suitable gloves  
Eye Protection: Wear eye/face protection  
Other Protective Equip.: None  
Handling & Storage: Keep in cool, dry place

**SECTION IX — SPECIAL PRECAUTIONS**

Hazard Class: None  
DOT Shipping Name: None  
Reportable Quantity (RQ): None  
UN Number: None  
NA Number: None  
Packaging Size: N/A

Pylam Products Company Incorporated  
1001 Stewart Avenue • Garden City, NY 11530

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