

**MATERIAL SAFETY DATA SHEET**

DATE REVISED: 3-2-2005

PRODUCT NAME: THERMO-LAG 330-1

Nu-Chem, Inc.  
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 Fenton, MO 63026  
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## HMIS HAZARD RATINGS

LEAST	0	HEALTH HAZARD	2
SLIGHT	1	FLAMMABILITY HAZARD	0
MODERATE	2	REACTIVITY HAZARD	0
HIGH	3	MAXIMUM PERSONAL	
EXTREME	4	PROTECTION	B

**SECTION I - PRODUCT IDENTIFICATION**

PRODUCT NAME: THERMO-LAG 330-1 D.O.T. HAZARD CLASS: none  
 D.O.T. Shipping Name: Cold Water Paint  
 PRODUCT CLASS: Latex Fire Resistive Coating D.O.T. UN Number:

**SECTION II - PHYSICAL DATA**

APPEARANCE AND ODOR :Milky white pasty mastic, ammoniacal odor

BOILING POINT (at 760 mm Hg) : 220-240 F WEIGHT PER GALLON ( lbs. ) : 10.6  
 VAPOR PRESSURE (at 20°C or 68°F) : nil PERCENT VOLATILES BY VOLUME: 45  
 EVAPORATION RATE (ether = 1) : much slower Volatile Organic Content (VOC) : < 0.1 lb/gal  
 VAPOR DENSITY (air = 1) : 0.6 SOLUBILITY IN WATER: Very

**SECTION III - HAZARDOUS COMPONENTS**

TRADE NAME	CAS #	PERCENT BY VOLUME	OCCUPATIONAL EXPOSURE LIMITS	
			OSHA PEL	ACGIH TLV
Crystalline Silica (quartz) (total dust)	14808-60-7	3-8 %	30 mg/m <sup>3</sup> %SiO <sub>2</sub> +2	
(respirable dust)			10 mg/m <sup>3</sup> %SiO <sub>2</sub> +2	0.1 mg/m <sup>3</sup>
Fiber glass, continuous filament (total dust)	65997-17-3	1-5 %	15 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>
(respirable dust)			5 mg/m <sup>3</sup>	Respiratory effects
* Ethylene Glycol	107-21-1	4-6 %	200 ppm	200 ppm 200 ppm(skin) 200 ppm STEL
			Primary Hazard:	Harmful if swallowed

\* Indicates toxic chemicals subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372  
 Hazard for this material is as a dust only. This hazard is eliminated in liquid paints. Dust hazard may be applicable if dried coating is subjected to grinding and/or sanding operations.

**SECTION IV - FIRE AND EXPLOSION HAZARD DATA**

FLAMMABILITY CLASSIFICATION OSHA Non-combustible DOT Non-combustible  
 FLASH POINT: None  
 TEST METHOD:

FLAMMABILITY LIMITS LEL: NA UEL: NA

EXTINGUISHING MEDIA: Non-flammable (aqueous emulsion).

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SPECIAL FIRE FIGHTING PROCEDURES: Wet Product will not burn but will smoke and spatter if exposed to flames. Firefighters must use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Sealed containers may rupture if overheated. Cool with water spray.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal oxidative decomposition can produce toxic gases, including oxides of nitrogen and carbon monoxide.

**SECTION V - REACTIVITY DATA**

STABILITY	UNSTABLE STABLE	X	CONDITIONS TO AVOID: Not applicable
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INCOMPATIBILITY (MATERIALS TO AVOID): Strong Oxidizers, Strong Bases

HAZARDOUS POLYMERIZATION	MAY OCCUR WILL NOT OCCUR	X	CONDITIONS TO AVOID: Not applicable
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**SECTION VI - HEALTH HAZARD DATA**

**EFFECTS OF OVEREXPOSURE:**

Eyes: Direct contact with product may result in eye irritation.

Skin: Prolonged or repeated contact with product may cause skin irritation.

Breathing: Excessive inhalation can cause irritation of the mucous membranes of the nose, throat and respiratory tract, headache and nausea.

**POSSIBLE EFFECT OF LONG TERM EXPOSURE:**

Carcinogenicity of Continuous filament fiberglass:	NTP No	IARC No	ACGIH	OSHA Reg No
Continuous strand glass fibers are not respirable.				
Silica, crystalline cristobalite, tridymite & quartz : carcinogen	yes	probably	suspected	Not as
Silica, crystalline (respirable): carcinogen	yes	yes		Not as

Appears on Table Z-3 for Mineral Dusts in 29 CFR/1910.1000

IARC Monographs on the Evaluation of the Carcinogenic Risk to Humans (vol. 68) concludes that crystalline silica inhaled in the form of quartz or cristobalite from occupational sources is carcinogenic to humans.(Group 1).

Hazard for this material is as a dust only. This hazard is eliminated in liquid paints. Dust hazard may be applicable if dried coating is subjected to grinding and/or sanding operations.

**FIRST AID PROCEDURES:**

If in Eyes: Flush with flowing water immediately and continuously for 15 minutes. Consult medical personnel.

If on Skin: Thoroughly wash exposed area with soap and water. Remove and wash contaminated clothing before reuse. Consult medical personnel if swelling or reddening occurs.

If Swallowed: Get immediate medical attention.

**SECTION VII - SPILL OR LEAK PROCEDURES**

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Keep unnecessary people away. Contain spill with inert material (sand, earth, etc.) and transfer the material to containers for recovery or disposal. Keep spill out of sewers and open bodies of water. Floors may be slippery, care should be exercised to avoid falls.

WASTE DISPOSAL METHOD: Burn in adequate incinerator or bury in an approved landfill.

**SECTION VIII - SPECIAL PROTECTION INFORMATION**

VENTILATION TYPE: Sufficient ventilation should be provided through both local and general exhaust to keep the air contaminant concentration below applicable OSHA Permissible Exposure Limits (PEL) and ACGIH's Threshold Limit Values (TLV). Appropriate ventilation should be employed to remove hazardous decomposition products formed during welding or flame cutting operations of surfaces coated with this product.

RESPIRATORY PROTECTION: None required if good ventilation is maintained and respirable dust does not occur. Otherwise wear MSHA/NIOSH approved respirator suitable for vapor, mist or dust concentrations encountered.

PROTECTIVE GLOVES: Impervious, cotton-lined rubber

EYE PROTECTION: Chemical resistant splash goggles

**SECTION IX - SPECIAL PRECAUTIONS**

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Use only with adequate ventilation. Prevent prolonged breathing of vapor or mist. Prevent contact with eyes. Do not take internally. Keep out of the reach of children.

STORAGE TEMP.      MAX 100°F      MIN 32°F

OTHER PRECAUTIONS:

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**The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. It is the user's responsibility to determine the suitability of this information for the adoption of the necessary safety precautions. We reserve the right to revise Material Safety Data Sheets periodically, as new information becomes available.**