

# MATERIAL SAFETY DATA SHEET

## SECTION 1: Chemical Product and Company Identification

### Company Information

Dr. T's Nature Products, Inc.  
Po Box 682  
2658 US Hwy 19 North  
Phone: 229-294-9742  
Fax: 229-294-3027

### MSDS Information

Preparation Date: 02/27/98  
Supersedes: 04/01/97  
Prepared By: Industrial Hygiene  
Phone: 651-236-5842

Medical Emergency Phone: 1-888-853-1758  
Transport Emergency Phone (Chemtrec): 1-800-424-9300

### Product Information:

Product Name/Number: HL-2367-X  
Product Description (product use): Hot Melt Adhesive

## SECTION 2: Composition/Information on Ingredients

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Materials Information System (WHMIS). Unlisted ingredients are not 'hazardous' per the OSHA standard and/or are not found on the WHMIS ingredient disclosure list.

Chemical/CAS Number Percent	OSHA PEL	ACGIH TLV
Hydrocarbon Oil	30-50%5 mg/M3*	5 mg/M3*

LD50: No Data Found    LC50: No Data Found

\*These exposure limits are for mineral oil mist, a material related to hydrocarbon oil mist.  
ACGIH STEL: 10MG/M3

## SECTION 3: Hazards Identification

### EMERGENCY OVERVIEW

Vapors/fumes may be irritating at application temperatures. Contact with molten material will cause burns.

### POTENTIAL HEALTH EFFECTS

Eyes: Vapors and fumes released at or above application temperatures may cause irritation.

Skin: No known effects.

Inhalation: Vapors and fumes may cause irritation of the nose, throat and respiratory tract. Overexposure may cause headaches and dizziness.

Ingestion: Not any anticipated route of exposure. Harmful if swallowed.

Chronic: No anticipated chronic effects.

REGULATED CARCINOGEN STATUS: Unless noted below, this product does not contain regulated levels of NTP, IARC, ACGIH or OSHA listed carcinogens.

Existing Health Conditions Affected by Exposure: No known effects on other illnesses.

## SECTION 4: FIRST AID MEASURES

For Burns: Immerse contact area immediately in cold, clean water. Do not attempt to remove set product. Removal could result in severe tissue damage. Cover contact area with clean wet compresses and take subject to a physician immediately.

NOTE TO PHYSICIAN: Material should not be forcibly pulled from the skin. Mineral oil may be used to loosen the material.

IF VAPORS INHALED: Remove subject to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician if symptoms persist.

IF INGESTED: If person can swallow, give on glass of water or milk. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to an unconscious person.

## SECTION 5: FIRE FIGHTING MEASURES

Flash Point/Method: Greater than 400 Degrees F / Cleveland (204 C).

Upper Explosive Limit/Lower Explosive Limit: Not Applicable

Auto ignition Temperature: Not Applicable

Appropriate Extinguishers: Carbon dioxide, dry chemical, chemical foam, or water fog. Using a direct, straight water stream tend to spread a fire.

Special Fire Fighting Procedures: Avoid using direct straight water stream on molten material to reduce splattering and spreading of the fire.

Unusual Fire and Explosion Hazards: None Known

Hazardous Combustion Product: Incomplete combustion can yield low molecular weight hydrocarbons, carbon monoxide.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: Allow to solidify at room temperature, scrape up and place in disposal container.

## SECTION 7: HANDLING AND STORAGE

### HANDLING INFORMATION:

Avoid breathing vapors/fumes of heated product. Prevent contact with molten product.

### STORAGE INFORMATION:

Consult the Technical Data Sheet for specific storage instruction.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Wear safety glasses to reduce the potential for eye contact; a face shield is appropriate if splashing is likely. Have eye washes available where eye contact can occur.

SKIN PROTECTION: At elevated temperatures prevent contact by wearing thermally protective gloves and a long sleeved shirt. Provide a cold water source for burn treatment.

RESPIRATORY PROTECTION: Not normally required. Use NIOSH/MSHA approved respirator if conditions warrant.

VENTILATION: Hot melts should be used with good ventilation. At the application temperature use of local exhaust over the premelting reservoir is encouraged.

#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid (as supplied)
Color:	Characteristic Color
Odor:	Neutral
Odor Threshold:	Not Established
Weight per Gallon:	Not Established
Specific Gravity:	Not Established
% Solids by Weight:	Not Established
pH:	Not Applicable (as supplied)
Boiling Range:	Not Applicable (as supplied)
Freezing/Melting Point:	Not Established
Vapor Pressure:	Not Established
Vapor Density:	Not Applicable
Evaporation Rate:	Not Applicable
Water/Oil Partition Coefficient:	Not Established

VOC: No levels of volatile organic compound emissions are expected at ambient temperature and pressure. Low molecular weight hydrocarbons may be emitted at application temperature. Emissions data is best developed by monitoring actual plant conditions.

#### SECTION 10: STABILITY AND REACTIVITY DATA

Stability: Stable

Incompatibility: Not Established

Hazardous Decomposition: Not Established

Hazardous Polymerization will not occur.

#### SECTION 11: TOXICOLOGICAL INFORMATION

No Data Available

#### SECTION 12: ECOLOGICAL INFORMATION

No Data Available

#### SECTION 13: DISPOSAL CONSIDERATIONS

To the best of our knowledge, this product does not meet the definition of hazardous waster under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Dispose of in an approved landfill. Consult your state, local or provincial authorities and you local waste vendor for more restrictive requirements.

#### SECTION 14: TRANSPORTATION INFORMATION

UNITED STATES DEPARTMENT OF TRANSPORTATION (DOT)

DOT Proper Shipping Name: Not Regulated

It is our opinion that the information provided here may be used to transport this product in compliance with Canadian Transportation of Dangerous Goods.

## SECTION 15: REGULATORY INFORMATION

### FEDERAL:

#### Toxic Substances Control Act (TSCA)

##### Section 8(b) – Inventory Status

This product is in compliance with the Toxic Substances Control Act's Inventory requirements.

#### Sara Title III

Section 313: This product does not contain regulated levels of any toxic chemical subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372.

### STATE REGULATIONS

Section 313: This product does not contain regulated levels of any toxic chemical subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372.

#### State Regulations:

California Proposition 65: Proposition 65, The Safe Drinking Water and Toxic Enforcement Act of 1986:

This product does not contain known levels of any chemical known to the State of California to cause cancer or cause reproductive damage.

### WHMIS IDENTIFICATION/OTHER INTERNATIONAL REGULATIONS

Not determined

### Section 16: ADDITIONAL INFORMATION

#### HMIS RATING

Health-1

Flammability-1

Reactivity-0

See Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to the Dr. T's Nature Products, Inc. company from its suppliers, and because the Dr. T's Nature Products, Inc. company has no control over conditions of handling and use, the Dr. T's Nature Products, Inc. company makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and the Dr. T's Nature Products, Inc. company assumes no responsibility of the user of Dr. T's Nature Products, Inc. company products to comply with all applicable federal, state and local laws and regulations.