



**ND INDUSTRIES, INC.**  
**1893 BARRETT ROAD**  
**TROY, MICHIGAN 48084**  
 (248) 288-0000 Fax: (248) 288-0022  
**24 hr. EMERGENCY CHEMTREC:**  
**1-800-424-9300**

**PRODUCT: ND PELL-IT®**  
**MSDS ID: ND1013**  
**ORIG. DATE: 3/01/93**  
**REV. DATE: 10/27/03**  
 REV. DATE:  
**PREPARED BY: Chemical Safety**

**SECTION I -Material Identification and Information H: 0 F: 0 R: 0 PPEB**

COMPONENTS	CAS #	PERCENT %	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Nylon 66 (Polyhexamethylene adipamide)	32131-17-2	100	n.a.	n.a.	non-hazardous

Material and trace additives are not hazardous by 29 CFR 1910.1200

All ingredients are listed on the TSCA Inventory. n.a.= not applicable / n.e.=not established

**SECTION II -Physical and Chemical Characteristics**

<b>BOILING POINT:</b>	n.a.	<b>VOC #/gal. :</b>
<b>VAPOR DENSITY:</b>	n.a. air = 1	<b>DENSITY OF COATING:</b>
<b>VAPOR PRESSURE:</b>	n.a.	
<b>MELTING POINT:</b>	250-265°C/482-509°F	
<b>SPECIFIC GRAVITY:</b>	1.13-1.15 water = 1	
<b>EVAPORATION RATE:</b>	n.a.	
<b>WATER REACTIVE:</b>	No.	
<b>SOLUBILITY IN WATER:</b>	Insoluble.	
<b>APPEARANCE AND ODOR:</b>	Yellow rigid plastic with no apparent odor.	

**SECTION III - Fire and Explosion Hazard Data**

<b>FLASH POINT:</b>	752°F/400°C	ASTM D-1929
<b>AUTOIGNITION TEMPERATURE:</b>	not determined	
<b>FLAMMABILITY LIMITS % IN AIR:</b>	LEL: n.a.	UEL: n.a.
<b>EXTINGUISHER MEDIA:</b>	Water spray or any Class A extinguishing agent.	
<b>SPECIAL FIREFIGHTING PROCEDURES:</b>	Wear a NIOSH approved self-contained breathing apparatus with full face piece operated in pressure-demand or other positive pressure mode when fighting fires. Fire fighting equipment should be decontaminated after use.	
<b>UNUSUAL FIRE HAZARDS AND CONDITIONS TO AVOID:</b>	At temperatures above 644°F/340°C, heavy fuming, carbon dioxide, carbon monoxide, nitrogen oxides and hydrogen cyanide (660°F/349°F) will occur.	

# MATERIAL SAFETY DATA SHEET

**PRODUCT: ND PELL-IT®**

## SECTION IV - Reactivity Hazard Data

**STABILITY:**      **stable: X**                      **unstable:**  
**HAZARDOUS POLYMERIZATION:**      **may occur:**                      **will not occur: X**

**CONDITIONS TO AVOID:**      Avoid temperatures at or above 340°C/644°F and open flame.

**INCOMPATIBILITY:**      Avoid strong acids and oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:**      At temperatures above 644°F/340°C, heavy fuming, carbon dioxide, carbon monoxide, nitrogen oxides and hydrogen cyanide (660°F/349°F) will occur.

## SECTION V - Health Hazard Data

**PRIMARY ROUTES OF ENTRY:**      **INHALATION: X**                      **INGESTION: X**                      **SKIN ABSORPTION:**

**EYE CONTACT:**      Mechanical irritation only.

**FIRST AID:**      Flush eyes with generous amounts of water for 15 minutes lifting both upper and lower eyelids occasionally. If irritation occurs, seek medical attention.

**SKIN CONTACT:**      Molten nylon will cause thermal burns.

**FIRST AID:**      If skin irritation develops, wash exposed area with soap and water. If irritation persists, seek medical attention. If molten polymer contacts skin, cool rapidly with cold water. Do not attempt to peel polymer from skin. Obtain medical attention for thermal burns.

**INHALATION:**      Material is not respirable.

**FIRST AID:**      As supplied; not a significant hazard. Note: If fumes from combusted or overheated material are inhaled, remove to fresh air. Seek medical attention if respiratory irritation occurs or if breathing becomes difficult.

**INGESTION:**      Not a probable route of exposure.

**FIRST AID:**      Seek medical consultation.

**CHRONIC EFFECTS:**      None known for solid state.  
Thermally decomposing or overheated material has been reported to be irritating to the mucous membranes and respiratory tract.

**Carcinogenic:**      None known.

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Component	Oral LD50	Dermal LD50	Inhalation LC50
Polyhexamethylene adipamide	n.a.	n.a.	n.a.

## SECTION VI - Control and Protective Measures

**RESPIRATORY PROTECTION:** Work in a well-ventilated. If grinding or machining parts particulate level should be kept below 15 mg/M3.

**PROTECTIVE GLOVES:** Wear protective gloves if working with molten polymer.

**EYE PROTECTION:** Wear NIOSH approved safety glasses at all times.

**VENTILATION TO BE USED:** LOCAL EXHAUST:  MECHANICAL: SPECIFIC: OTHER (specify): Sufficient general area ventilation.

**PROTECTIVE CLOTHING AND EQUIPMENT:** Wear impervious clothing to prevent repeated, prolonged exposure.

**HYGIENIC WORK PRACTICES:** Practice good personal hygiene. Wash hands before using restroom or eating.

## SECTION VII - Precautions for Safe Handling and Spill/Leak Procedures

### STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:

Vacuum or sweep material into closed container suitable for disposal.

**WASTE DISPOSAL METHODS:** Landfill or incinerate in compliance with local, state and federal regulations.

**SAFE HANDLING AND STORAGE:** Keep away from high temperatures and flame.

### OTHER PRECAUTIONS AND SPECIAL HAZARDOUS INFORMATION:

n.a.

**RECOMMENDED  
NFPA/HMIS  
RATING**

**HEALTH 0**

**FLAMMABILITY 0**

**REACTIVITY 0**

**PERSONAL  
PROTECTION B**

note: ratings may differ according to application, environment, and physical state.

# MATERIAL SAFETY DATA SHEET

PRODUCT: ND PELL-IT®

## NOTES:

Proper DOT Shipping Name:  
Not regulated

## SECTION 313 SUPPLIER NOTIFICATION

Detaching this notification from the Material Safety Data Sheet is prohibited by law and any copying or distribution of same requires this attachment be included.

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

<u>CAS #</u>	<u>CHEMICAL NAME</u>	<u>% BY WEIGHT</u>
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This material, but not necessarily the article into which it is incorporated, contains no toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986, 40 CFR 372.

This product contains the following materials that under California Proposition 65 of the Safe Drinking Water and Toxic Enforcement Act of 1986 are recognized to cause cancer or reproductive toxicity.

<u>Material</u>	<u>CAS #</u>	<u>Concentration %</u>	<u>Cancer Agent</u>	<u>Reproductive Toxin</u>	<u>cancer agent &amp; Reproductive Toxin</u>
None known.					

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