



## Material Safety Data Sheet

### Section 1

**MSDS:** Nylon 66  
Unfilled

Dynamic Polymer Solutions  
Telephone Numbers: (810) 324-1451  
Chemtrec - Transportation Emergency:  
(800) 424-9300

### MATERIAL IDENTIFICATION

<b>PRODUCT NAME:</b>	DYN-N66HI, DYN-66MI, DYN-66		
<b>CHEMICAL NAME:</b>	Polyhexamethylene Adipamide		
<b>CAS NO.:</b>	Polyhexamethylene Adipamide	32131-17-2	> 70.00%
	Carbon Black	1333-86-4	0.00 – 4.00%
	Heat Stabilizer/Lube		< 5.00%
	Impact Modifier		< 20.00%
<b>PRODUCT USE:</b>	Engineered Thermoplastics		

### Section 2

#### HAZARDOUS INGREDIENTS (Additives not hazardous by 29 CFR 1910.1200)

Identity	CAS Number	Concentration

### Section 3

#### HEALTH HAZARD DATA

Acute or immediate effects:

**Routes of entry and systems:** Routes of entry for solids and liquids include eye and skin contact, ingestion, and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

<b>Ingestion:</b>	Resin in pelleted form poses a low hazard
<b>Skin:</b>	Irritation is possible when in contact with skin. If hot, or molten polymer contacts skin, thermal burns may occur.
<b>Eye:</b>	Mechanical irritation may occur. Exposure to off-gases may produce



**Material Safety Data Sheet**

	irritation.
<b>Inhalation:</b>	Resin in pelleted form poses a low hazard. Inhalation of off-gases may irritate respiratory tract.

Section 4

**EMERGENCY FIRST AID**

<b>Eyes:</b>	In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. If irritation develops, seek medical attention.
<b>Skin:</b>	Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.
<b>Inhalation:</b>	Remove affected individual to fresh air, and keep calm. Assist in breathing if necessary. Immediate medical attention required.
<b>Ingestion:</b>	Ingestion is not likely in the available physical form. If ingested, seek medical attention.
<b>Chronic Effects:</b>	
<b>Medical Conditions generally aggravated by this material:</b>	

Section 5

**FIRE AND EXPLOSION HAZARD DATA**

<b>Flash Ignition Temperature:</b>	> 400C
<b>Unusual Fire/Explosion Hazards:</b>	No particular hazards known
<b>Hazardous Combustion Products:</b>	
<b>Special Fire Fighting Instructions:</b>	Wear self-contained breathing apparatus and turnout gear.
<b>Extinguishing Media:</b>	Water, dry chemical, CO <sup>2</sup> , foam

Section 6

**ACCIDENTAL RELEASES**

**Material Safety Data Sheet**

**Spill or Release:** Reclaim for processing if possible. Sweep/shovel material into suitable containers for re-use or disposal in a licensed facility.

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Section 7

## STORAGE CONDITIONS

**NORMAL HANDLING:**

**STORAGE RECOMMENDATIONS:** Keep container tightly closed. Avoid deposition of dust. Protect against moisture.

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Section 8

## PROTECTION INFORMATION

<b>Eye:</b>	Tightly fitting safety goggles
<b>Skin:</b>	Wear gloves to prevent contact during mechanical processing and/or hot melt conditions
<b>Ventilation:</b>	Provide local exhaust ventilation to control dusts/vapors
<b>Respirator:</b>	Wear a NIOSH certified particulate respirator. Wear respiratory protection if ventilation is inadequate. Do not exceed the maximum use concentration for the respirator face piece/cartridge combination. Wear a NIOSH certified organic vapor/particulate respirator.
<b>Additional Protective Measures:</b>	Wear protective clothing to prevent contact during mechanical processing and/or hot melt conditions. Avoid inhalation of dust. Wash soiled clothing immediately.

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Section 9

## PHYSICAL/CHEMICAL DATA

<b>Appearance:</b>	Solid Pellets
<b>Odor:</b>	None
<b>Melting Point:</b>	
<b>Solubility in Water:</b>	

**Material Safety Data Sheet**

<b>Volatile Content %:</b>	
<b>Specific Gravity:</b>	1.05 – 1.5

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Section 10

## HAZARDOUS REACTIVITY

<b>Stability at Room Temperature:</b>	Stable
<b>Materials to Avoid:</b>	Strong oxidizing agents, acids, bases
<b>Conditions to Avoid:</b>	Prolonged exposure to extreme heat
<b>Decomposition Temperature:</b>	> 300C
<b>Decomposition Products:</b>	Hydrogen cyanide, carbon monoxide, ammonia

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Section 11

## TOXICOLOGICAL INFORMATION

**None available**

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Section 12

## ECOLOGICAL INFORMATION

**None Available**

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Section 13

## DISPOSAL

**Waste Disposal:** Incinerate in a licensed facility. DO not discharge substance/product into sewer system. Dispose of in accordance with national, state/provincial, and local regulations.

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Section 14

## TRANSPORT INFORMATION

**None listed**

**Material Safety Data Sheet**

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Section 15

## REGULATORY INFORMATION

**OSHA Status:**

SARA TITLE III:

**Section 302 – Extremely Hazardous Substances:****Section 311/312 Hazard Categories:****Section 313 Toxic Chemicals:****RCRA Status:****United States TSCA Status:** Released/listed

STATE RIGHT TO KNOW LAWS – The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements, contact the appropriate agency in your state

Component Name	
CAS Number	Concentration

**PENNSYLVANIA:**

Carbon Black	
1333-86-4	

**NEW JERSEY:**

Carbon Black	
1333-86-4	

**MASSACHUSETTS:**

Carbon Black	
1333-86-4	

**HMIS Rating**



### Material Safety Data Sheet

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0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Health	0
Flammability	1
Reactivity	0
PPE	
# Acute *Chronic	

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#### Section 16

#### MISCELLANEOUS INFORMATION

The information set forth herein has been gathered from standard reference materials and/or supplier test data and is, to the best knowledge and belief of Dynamic Polymer Solutions, accurate and reliable. Such information is offered solely for your consideration, investigation and verification, and it is not suggested or guaranteed that the hazard precautions or procedures mentioned are the only ones that exist. Dynamic Polymer Solutions makes no warranties, expressed or implied, with respect to the use of such information or the use of the specific material identified herein in combination with any other material or process, and assumes no responsibility therefore.

**END OF MSDS**