

## Safety Data Sheet



### SECTION 1:

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**Pier One Polymers, Inc.**  
2011 Christian B Haas  
St. Clair, MI 48079

**Contact Numbers:**  
Product Information (Pier One) 810-326-1456  
Transportation Emergency-  
Chemtrec 800-424-9300

### MATERIAL IDENTIFICATION

PRODUCT NAME:      **MAXAMID ® PA66MG15 BK**  
                              **MAXAMID ® PA66MG15 NC010**  
                              **MAXAMID ® PA66MG18HSL BK**  
                              **MAXAMID ® PA66MG18HSL NC010**  
                              **MAXAMID ® PA66MG18 BK**  
                              **MAXAMID ® PA66MG18 NC010**  
                              **MAXAMID ® PA66M32T BK**  
                              **MAXAMID ® PA66M32 NC010**  
                              **MAXAMID ® PA66MG36 BK**  
                              **MAXAMID ® PA66MG36 NC010**  
                              **MAXAMID ® PA66MG38 BK**  
                              **MAXAMID ® PA66MG38 NC010**  
                              **MAXAMID ® PA66M40 BK**  
                              **MAXAMID ® PA66M40 NC010**  
                              **MAXAMID ® PA66MG40 BK**  
                              **MAXAMID ® PA66MG40 NC010**  
                              **MAXAMID ® RC66M32THSL BK09**  
                              **MAXAMID ® RC66MG40HSL BK09**  
                              **MAXAMID ® RC66M40-HSL BK09**

“MAXAMID ® ” is a registered trademark of Pier One Polymers Inc.

CHEMICAL NAME:      **Polyhexamethylene Adipamide**

CAS NO.:                **Polyamide:      32131-17-2**  
                              **Carbon BK        1333-86-4**  
                              **Glass Fiber      65997-17-3**  
                              **Mineral            13983-17-0**

PRODUCT USE:        **Engineering Thermoplastic Injection Molding**

TSCA INVENTORY  
STATUS:                **All reportable ingredients are listed in the TSCA chemical  
substances inventory.**

**PIER ONE POLYMERS**

SDS: MAXAMID ® N66 MF/MG

**SECTION 2:**

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Hazardous Ingredients (**Additives not hazardous by 29 CFR 1910.1200**)

<u>Identity</u>	<u>CAS#</u>	<u>ACGIH TLV</u>
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**SECTION 3:**

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HEALTH HAZARD DATA

Acute or immediate effects: Routes of entry and systems

Ingestion:	<b>NOT A PROBABLE ROUTE OF EXPOSURE.</b>
Skin:	<b>MOLTEN NYLON CAUSES THERMAL BURNS.</b>
Eye:	<b>MECHANICAL IRRITATION ONLY.</b>
Inhalation:	<b>SHAPES NOT RESPIRABLE.</b>

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**SECTION 4:**

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EMERGENCY FIRST AID

- If exposed to fumes from overheating, move to fresh air. Consult a physician if symptoms persist.
- Wash skin with soap and plenty of water.
- Flush eyes with water. Consult a physician if symptoms persist.
- If molten polymer contacts skin, cool rapidly with cold water. Do not attempt to peel polymer from skin. Obtain medical attention to thermal burn.

Chronic Effects: **NONE KNOWN.**

Medical Conditions generally aggravated by this material: **NONE KNOWN.**

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**SECTION 5:**

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FIRE AND EXPLOSION HAZARD DATA

Flash Ignition Temperature: **N/A**

Unusual Fire, Explosion Hazards: **NONE KNOWN.**

Hazardous Combustion Products: **AT TEMPERATURES ABOVE 644 F / 340 C, HEAVY FUMING, CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES, AND HYDROGEN CYANIDE (AT TEMPERATURES ABOVE 660 F / 349 C WILL OCCUR.**

Special Fire Fighting Instructions: **FIRE FIGHTERS AND OTHERS EXPOSED TO PRODUCTS OF COMBUSTION SHOULD WEAR FULL PROTECTIVE CLOTHING INCLUDING SELF-CONTAINED BREATHING APPARATUS. FIRE FIGHTING EQUIPMENT SHOULD BE THOROUGHLY DECONTAMINATED AFTER USE.**

Extinguishing media: **WATER SPRAY OR ANY CLASS A EXTINGUISHING AGENT.**

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**SECTION 6:**

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ACCIDENTAL RELEASES

Spill or release: **CLEAN UP BY VACUUMING OR SWEEPING TO PREVENT FALLS.**

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**SECTION 7:**

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STORAGE CONDITIONS

**Cool / Dry storage. Keep containers tightly closed to prevent contamination.**

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## **PIER ONE POLYMERS**

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### **SECTION 8:**

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#### PROTECTION INFORMATION

Eye: **Safety glasses are recommended to prevent particulate matter from entering eyes while grinding or machining.**

Skin: **Protective gloves are required when handling hot polymer. Also, long sleeve cotton shirt and long pants if handling molten polymer.**

Ventilation: **Local exhaust at processing equipment to keep particulates below 5 mg/m<sup>3</sup>, the OSHA limit for respirable dusts. Grinding and machining of parts should be reviewed to assure that particulate levels are kept at recommended levels.**

Respirator: **None under normal processing, if ventilation is adequate.**

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### **SECTION 9:**

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#### PHYSICAL/CHEMICAL DATA

Appearance: **STOCK SHAPE IS CLEAR TO COLOR AND IN PELLET FORM**

Odor: **SLIGHT ORGANIC ODOR**

Melting Point: **220 - 250 C./ 428 - 482 F.**

Solubility in Water: **INSOLUBLE**

Volatile Content %: **<1%**

Specific Gravity: **>1.1**

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### **SECTION 10:**

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#### HAZARDOUS REACTIVITY

Stability at Room Temperature: **STABLE.**

Materials to Avoid: **STRONG ACIDS AND OXIDIZING AGENTS.**

Conditions to Avoid: **HEATING ABOVE 340 C/ 644 F**

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**SECTION 11:**

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TOXICOLOGICAL INFORMATION

Chronic Toxicity: **MAXAMID ® NYLON 6 BLACK DOES NOT APPEAR TO POSSESS ANY TOXICOLOGICAL PROPERTIES.**

Medical Conditions Prone to Aggravation by Exposure: **THERMAL DECOMPOSITION PRODUCTS OF NYLON HAVE BEEN REPORTED TO BE IRRITATING TO THE MUCUS MEMBRANES AND RESPIRATORY TRACT.**

CARCINOGENICITY: **NONE KNOWN.**

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**SECTION 12:**

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ECOLOGICAL INFORMATION

Aquatic Toxicity: **Toxicity is expected to be low based on insolubility of polymer in water.**

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**SECTION 13:**

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DISPOSAL

Waste Disposal: **Landfill or incineration in compliance with federal, state, and local regulations.**

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**SECTION 14:**

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TRANSPORT INFORMATION

DOT Hazard Class: **NA**

Shipping Name: **NA**

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## PIER ONE POLYMERS

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### SECTION 15:

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#### SECTION 313 SUPPLIER NOTIFICATIONS: (SARA TITLE III-TOXIC CHEMICALS LIST)

This product contains no known 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.

#### STATE RIGHT TO KNOW LAWS

No substances on the state hazardous list, for the states indicated below, are used in the manufacture of products on this Material Safety Data Sheet, with the exceptions indicated. While we do not specifically analyze these products, or the raw materials used in their manufacture, for substances on various state hazardous substances lists, to the best of our knowledge the products on this Material Safety Data Sheet contain no such substances except for those specifically listed below:

#### PENNSYLVANIA:

SUBSTANCES ON THE PENNSYLVANIA HAZARDOUS SUBSTANCES LIST PRESENT AT A CONCENTRATION OF 1% OR MORE: **NONE KNOWN.**

SUBSTANCES ON THE PENNSYLVANIA SPECIAL HAZARDOUS SUBSTANCES LIST PRESENT AT A CONCENTRATION OF 0.01% OR MORE: **NONE KNOWN.**

#### CALIFORNIA PROPOSITION 65:

SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER: **NONE KNOWN.**

SUBSTANCES KNOWN TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM: **NONE KNOWN.**

HMIS Rating	
Health	0
Flammability•	1•
Reactivity•	0•
PPE•	A•
#Acute• *Chronic•	

**PIER ONE POLYMERS**

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**SECTION 16:**

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**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 Pier One Polymers, 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. Pier One Polymers 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 SDS**