

MGC ADVANCED POLYMERS, INC.

SAFETY DATA SHEET

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Product Name: MX Nylon

Preparation Date: January 30, 2012

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MSDS REVISION #: 008

PRODUCT NAME: MX Nylon Grades 6000, 6005
MX Nylon Grades S6003LD, S6007, S6011, S6022, S6121,
S6703, and K6011C

SYNONYMS: Polyamide MXD6, Nylon MXD6

MANUFACTURED BY: MGC Advanced Polymers, Inc.
1100 Port Walthall Drive
Colonial Heights, VA 23834

PHONE NUMBERS: Inquiries - (804) 520-7800 (business hours)
CHEMTREC - (800) 424-9300 (transportation emergencies)

SECTION 2 - HAZARDS IDENTIFICATION

***** EMERGENCY OVERVIEW *****

Hazard Classification: None – not hazardous

Product consists of clear or white pellets. Although there are no known or expected hazards associated with handling this product, this and all industrial chemicals should be handled with caution.

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

This material is not a hazardous chemical under OSHA HazCom (29 CFR 1910.1200)

POTENTIAL HEALTH EFFECTS

LIKELY ROUTES OF EXPOSURE:

Eye and skin contact

EYES:

No adverse health effects known or expected.

SKIN:

No adverse health effects known or expected.

INGESTION (swallowing):

No adverse health effects known or expected.

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SECTION 2 - HAZARDS IDENTIFICATION (continued)**INHALATION (breathing):**

Fumes from high-temperature processing cause irritation to certain sensitive individuals and aggravate pre-existing lung disorders.

CHRONIC EFFECTS/CARCINOGENICITY:

This product (or components >0.1%) is not listed in IARC Monographs, the current NTP Report on Carcinogens or the ACGIH TLVs as a carcinogen or potential carcinogen. OSHA does not regulate it as a carcinogen.

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component</u>	<u>%</u>	<u>CAS No.</u>
Hexanedioic acid, polymer with 1,3-benzenedimethanamine	>99	25718-70-1

SECTION 4 - FIRST AID MEASURES**EYE CONTACT:**

Flush with large amounts of water, lifting upper and lower lids occasionally. Get medical attention.

SKIN CONTACT:

Wash exposed area with soap and water. If burned by contact with molten material, cool as quickly as possible. Do not peel from skin. Get medical attention.

INHALATION (breathing):

If affected, move to fresh air. If breathing is difficult, call a physician.

SECTION 5 - FIRE FIGHTING MEASURES**FLAMMABLE PROPERTIES:**

This material is not easily ignited, but will burn if heated sufficiently. Finely divided polyamide dusts, when dispersed in air may pose a dust explosion hazard. All material handling equipment that may generate dust clouds of the product should have properly designed explosion relief/suppression systems.

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SECTION 5 - FIRE FIGHTING MEASURES (continued)

EXTINGUISHING MEDIA:

Use dry chemical, carbon dioxide, water fog or foam. Cool containers with water. Water or foam may cause frothing, especially if sprayed directly into containers of hot, burning liquid.

PROTECTION OF FIREFIGHTERS:

Wear full protective clothing and self-contained breathing apparatus with full face-piece. Combustion products may include toxic fumes.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Persons not wearing protective equipment should be excluded from the area of the spill until cleanup has been completed. Shovel spilled material into containers. Thoroughly sweep up residual material.

SECTION 7 - HANDLING AND STORAGE

HANDLING:

Avoid contact with skin, eyes and clothing. Wash thoroughly after handling.

STORAGE:

Keep in closed or covered containers when not in use. Store in cool dry place with adequate ventilation. Do not store near heat or open flames.

INCOMPATIBILITIES (materials to avoid):

Avoid contact with strong oxidizing agents and mineral acids

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:

No exposure guidelines established for product

ENGINEERING CONTROLS:

Material handling equipment should be designed to minimize the generation of dust. Equipment that may generate dust clouds of the product should have properly designed explosion relief/suppression systems. Vapors and gasses from thermal processing equipment should be ventilated from the work area.

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SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION (continued)**EYE / FACE PROTECTION:**

Protective eye wear or safety glasses are recommended. Chemical splash goggles and full face-shield, in compliance with OSHA regulations, are advised when handling molten material.

SKIN PROTECTION:

Wear protective gloves. Heat-resistant protective clothing, covering arms and legs, is recommended when handling molten material.

RESPIRATORY PROTECTION:

Not required under normal conditions of use, however exposure to dust and particulates may require a particulate respirator or respirator with particulate filters (N95, N99, or N100). A NIOSH approved respirator with organic vapor cartridge is recommended if the product is heated to the point where decomposition occurs and there is insufficient ventilation to maintain exposure below level of overexposure.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: clear or white pellets
@ 77° F (25° C)

Odor: Unavailable

Specific Gravity: 1.2-1.23

Bulk Density: 0.6-0.8

Initial Boiling Point: Decomposes

Evaporation Rate: nil
(Ethyl Ether = 1)

Vapor Pressure: Negligible

Vapor Density: Unavailable

Solubility @ 77° F (25° C)
in Water: insoluble

Volatile %: nil

pH: Unavailable

Flash Point: 628° F (331° C)

Upper Explosion Limit: *Unavailable

Lower Explosion Limit: *Unavailable
UEL and LEL are unavailable as the
product is a non-oxidizing material

Autoignition Temperature: 725° F (385° C)

SECTION 10 - STABILITY AND REACTIVITY**STABILITY (conditions to avoid):**

Stable under normal conditions of 70° F (21° C) and 14.7 psig (760 mm Hg)

INCOMPATIBILITIES (materials to avoid):

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SECTION 10 - STABILITY AND REACTIVITY (continued)**HAZARDOUS DECOMPOSITION PRODUCTS:**

Thermal decomposition products include: carbon monoxide, carbon dioxide, oxides of nitrogen and other nitrogen compounds such as hydrogen cyanide. Decomposition begins at 310°C.

HAZARDOUS POLYMERIZATION:

Not known to occur

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): Greater than 5000 mg/kg

SECTION 12 - ECOLOGICAL INFORMATION

No data available

SECTION 13 - DISPOSAL CONSIDERATIONS

Deposit in a landfill in accordance with applicable local, state and Federal regulations. This material, if disposed of, is not considered a hazardous waste under current RCRA definitions.

SECTION 14 - TRANSPORT INFORMATION

Not regulated under current DOT (U.S.), TDG (Canadian), ICAO (air) or IMO (water) transport regulations.

SECTION 15 - REGULATORY INFORMATION**TSCA INFORMATION:**

All components in this product are in compliance with TSCA Inventory requirements.

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SECTION 15 - REGULATORY INFORMATION (continued)

CEPA INFORMATION:

This material has been added to the Canadian DSL (Canada Gazette Dec. 19, 2001)

CALIFORNIA PROPOSITION 65:

This product is not, to the best of our knowledge, subject to the labeling requirements under California Proposition 65.

FDA STATUS:

This product is approved for use under 21 CFR 177.1390 and 177.1500, subject to certain limitations.

SARA 313 INFORMATION:

SARA requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372. This information must be included in all MSDS that are copied and distributed for this material.

Components present in this product at a level that could require reporting under the statute are: None

SECTION 16 - OTHER INFORMATION

GHS HAZARD & PRECAUTIONARY PHRASES: None

HAZARD RATING:

HEALTH	0	0 - LEAST
FIRE	1	1 - SLIGHT
REACTIVITY	0	2 - MODERATE
OTHER	-	3 - HIGH
		4 - EXTREME

HAZARD RATING METHOD: HMIS

REASON FOR REVISION:

Added grade K6011C. Added additional respiratory protection measures. Clarified LEL/UEL.

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****END OF REPORT****