

Product Name: **MX Nylon**

Preparation date: 11/18/2009

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

MSDS REVISION #: 5

PRODUCT NAME: MX Nylon Grades 6000, 6005, S6007, S6011, S6121

SYNONYMS: Polyamide MXD6, Nylon MXD6

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

PHONE NUMBER: (804) 520-7800
CHEMTREC – (800) 424-9300 (transportation emergencies)

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>%</u>	<u>CAS No.</u>	<u>Exposure Limits</u>
Hexanedioic acid, polymer with 1,3-benzenedimethanamine	99.5	25718-70-1	Not established

SECTION 3 - HAZARDS IDENTIFICATION

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

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.

POTENTIAL HEALTH EFFECTS

EYES:
No adverse health effects known or expected.

SKIN:
No adverse health effects known or expected.

INGESTION:
No adverse health effects known or expected.

INHALATION:

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

CHRONIC EFFECTS/CARCINOGENICITY:

This product (or component) is not listed in IARC Monographs, the NTP Eleventh Annual Report or the ACGIH TLVs as a carcinogen or potential carcinogen. OSHA does not regulate this material as a carcinogen.

HMIS RATING:

HEALTH: 0

FLAMMABILITY: 1

REACTIVITY : 0

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.

INHALATION:

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

SECTION 5 - FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

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.

EXTINGUISHING MEDIA:

Water spray, carbon dioxide, dry chemical or foam. Water or foam may cause frothing which can be violent, especially if sprayed directly into containers of hot, burning liquid.

FIRE-FIGHTING EQUIPMENT:

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

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SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personnel not wearing protective equipment (see Section 8) should be excluded from the area of the spill until clean up has been completed. Shovel spilled material into containers. Avoid generating dust. Thoroughly sweep up residual material.

SECTION 7 - HANDLING AND STORAGE

HANDLING:

Avoid contact with skin and eyes. Wash thoroughly after handling. Avoid generating dust.

STORAGE:

Keep in closed or covered containers when not in use. Store in a cool dry place with adequate ventilation.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE GUIDELINES:

No exposure limits established for product.

ENGINEERING CONTROLS:

Material handling equipment should be designed to minimize the generation of dust. Fumes from thermal processing equipment should be ventilated from the work area.

EYE / FACE PROTECTION:

Protective eye wear or safety glasses are recommended.

SKIN PROTECTION:

Wear protective gloves.

RESPIRATORY PROTECTION: Not required under normal conditions of use; however, a NIOSH/MSHA approved respirator with organic vapor cartridge is recommended, especially if product is heated and there is insufficient ventilation to maintain exposure below level of overexposure.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Pellets @ 77° F (25° C)
ODOR THRESHOLD: Unavailable
SPECIFIC GRAVITY: 1.2 - 1.23
VAPOR PRESSURE (mm Hg): Nil
VAPOR DENSITY (Air = 1): Not available
INITIAL BOILING POINT: Decomposes
EVAPORATION RATE: Nil
(Ethyl Ether = 1)
SOLUBILITY in WATER: Insoluble

BULK DENSITY: 0.6 - 0.8
VOLATILE %: Nil
pH: Unavailable
pH METHOD: Not Applicable
FLASH POINT: 628°F (331°C)
FLASH POINT METHOD: Unavailable
UPPER EXPLOSION LIMIT: Unavailable
LOWER EXPLOSION LIMIT: Unavailable
AUTOIGNITION TEMPERATURE:
725° F (385° C)

SECTION 10 - STABILITY AND REACTIVITY

STABILITY (conditions to avoid):

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

INCOMPATIBILITIES (materials to avoid):

Avoid contact with acids, and oxidizing agents.

DECOMPOSITION:

Thermal decomposition products include: carbon monoxide, carbon dioxide, oxides of nitrogen and other nitrogen compounds such as hydrogen cyanide. Decomposition begins at 590°F (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.

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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 by current US DOT, Canadian TDG, IMO or ICAO regulations.

SECTION 15 - REGULATORY INFORMATION

TSCA INFORMATION:

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

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

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.

SECTION 16 - OTHER INFORMATION

REASON FOR REVISION:

Revised composition percentage and MSDS format.

The product information contained herein is believed to be accurate as of the date of the Material Safety Data Sheet, and is provided without warranty, expressed or implied, as to the results of use of this information or the product to which it relates. Recipient assumes all responsibility for the use of this information and the use (alone or in combination with

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any other product), storage or disposal of the product, including any resultant personal injury or property damage.

****END OF REPORT****