

**MATERIAL SAFETY DATA SHEET – Nylatron GS & MDS Nylon**

Date: 7/15/03

**SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION**

Product Name: **RM40R Nylon 6 Moly 40%**

Type: Molybdenum Disulfide Concentrate

**SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS**

Ingredient % CAS# Exposure Limits

Molybdenum Disulfide 40% 1317-33-5 N/A - Non 1

Nylon 6 60% 521365-12-9

**SECTION 3. HAZARDS IDENTIFICATION**

Most important hazards: Molten polymer burns the skin. This product is a dust free pellet processing

Emissions may be irritating to the nose and throat.

Specific Hazards: May cause eye irritation.

**SECTION 4. FIRST AID MEASURES**

Inhalation: Not a probable route of exposure in a dust free pellet form.

Skin Contact: Wash hands and contact skin parts with soap and water. If molten polymer, immerse the burned area in cold water and obtain medical attention.

Eye Contact: Flush eyes with running water. If discomfort continues, seek medical attention.

Ingestion: Not a probable route of exposure.

**SECTION 5. FIRE-FIGHTING MEASURE**

Suitable for extinguishing media: Use water or dry chemical.

Special protective equipment fire fighter: Wear a self-contained breathing apparatus approved by NIOSH.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions: Wear safety glasses.

Environmental precautions: Inert - Not biodegradable or water-soluble. No aquatic toxicity. Pellets may be eaten by birds and small animals.

Methods for cleaning up: Sweep up and put into an approved waste container for disposal.

**SECTION 7. HANDLING AND STORAGE**

Technical measures/precautions: None required.

Precautions: Wear safety glasses.

Safe handling advice: No specific handling requirements.

Technical measure/storage conditions:

Storage conditions: Standard warehouse conditions.

Incompatible products: Strong acids and bases.

Packaging material: Fiber drum with a polyethylene bag liner.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory protection: Not required.

Eye protection: Safety glasses.

Hand protection: Not required.

Control parameters: Not required.

Hygiene measures: Wash hands and skin in contact with RM40 with soap and water.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Form: Dust free pellet

Color: Dark silver-gray

Odor: Slight amine odor

PH Factor: N/A

Melting point/range: Above 230°c

Decomposition temperature: Above 280°c

Flash point: N/A

Explosive properties: None

Relative density (20°c): 2.1

Water Solubility (OC): None

**SECTION 10. STABILITY AND REACTIVITY**

Materials to avoid: Strong acids and bases.

Hazardous decomposition products: Thermal breakdown products may include hydrocarbons, aldehydes, ketones, nitriles & trace amounts of hydrogen cyanide.

Further information: Hazardous polymerization will not occur.

**SECTION 11. TOXICOLOGICAL INFORMATION**

Acute toxicity: N/A

Local effects: N/A

**SECTION 12: ECOLOGICAL INFORMATION**

Pellets may be eaten by birds and small animals causing digestive system blockage.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Waste disposal: The material as shipped is a non-hazardous solid. Users (disposers) must comply with Federal, State and Local disposal laws.

Contaminated packaging: Packaging materials can be discarded as non-hazardous waste according to Federal, State and Local disposal laws.

**SECTION 14. TRANSPORT INFORMATION**

No specific information required.

**SECTION 15. REGULATORY INFORMATION**

N/A

**SECTION 16. OTHER INFORMATION**

The information provided in this Safety Data Sheet is correct to the best our knowledge, information and belief at the date of its publication. The information is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the test.