

Material Safety Data Sheet

A-O Industries

Section I Product and Manufacturer Identification

Product Name: FSG lead free nylon
Product Code: NT5530
Manufacturer: A-O Industries
Address: 1805 South Hamilton Street
Dalton, Georgia 30720
Emergency # (706) 281-1538
Date Issued: 5/28/08

Section II Hazardous Identity / Information

This product contains a proprietary blend of components encapsulated within a NYLON 6 matrix. One or more of these components are considered to be hazardous chemicals per CFR 1910.1200. Normal conditions of handling this product, in yarn form, are not likely to cause adverse health effects.

Section III Physical / Chemical Characteristics

Boiling Point:	Not Measured	Specific Gravity:	
Vapor Density:	Not Measured	Solubility in Water:	Not soluble, but trace amounts of one or more components may be extracted by water.
Evaporation Rate:	N/A		
Appearance and Odor:	Fiber with no odor		

Section IV Fire and Explosion Hazard Data

Flash Point:	>300 degrees C (572 degrees F)
Flammable Limits in Air by Volume:	Lower: Not Known Upper: Not Known
Extinguishing Media:	Foam, CO2, Dry Chemical, and Water Fog
Special Firefighting Procedures:	Use self-contained breathing apparatus
Unusual Fire and Explosion Hazards:	In present form this product offers no unusual fire and explosion hazards. However, dusts and fumes generated from this product could present an explosion hazard.

Section V Reactivity Data

Stability: Stable

Conditions to Avoid: Temperatures above 288 degrees C(550 degrees F)

Incompatibility (Materials to Avoid): Strong oxidizing agents, acids, and bases

Hazardous Decomposition or Byproducts of Combustion: Carbon monoxide, carbon dioxide, zinc oxides, ammonia, hydrogen cyanide, oxides of nitrogen and hydrocarbons can be generated during thermal decomposition and combustion.

Hazardous Polymerization: Will not occur

Section VI Health Hazard Data

This product, in yarn form, is not expected to cause adverse health effects under normal handling and storage conditions. However, should conditions exist where dust and / or fumes are generated from/ by this product, then the appropriate personal protective equipment (PPE) must be worn. See Section VIII for more detail.

Potential Acute Health Effects

Inhalation Health Risks and Symptoms of Exposure:

Avoid breathing dust as it may cause irritation if exposure is prolonged or excessive. Physical processes such as grinding, high speed blending, etc may generate dust.

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Skin and Eye Contact Health Risks and Symptoms of Exposure:

Skin or eye contact may cause irritation.

Skin Absorption Health Risks and Symptoms of Exposure:

Should prolonged or repeated contact occur some individuals may develop dermatitis or become sensitized and develop an allergic reaction.

Ingestion Health Risks and Symptoms of Exposure:

May cause irritation to throat, mouth, and stomach and / or may cause nausea.

Potential Chronic Health Effects

Target Organs:

Repeated exposure to dust and /or fumes orally, and potentially by inhalation, may cause effects on the liver, lymph nodes, spleen and blood based on animal studies. These effects could be seen as inflammation of the lymph nodes, jaundice of the liver, and blood cell changes such as anemia.

Carcinogenicity:

NTP? No IARC Monographs? No OSHA Regulated? No

Persistent Bioaccumulative Toxin (PBT)? No

Medical Conditions Generally Aggravated by Exposure:

Fumes and dust from this product may aggravate existing respiratory ailments. Physical contact with this product may aggravate existing skin ailments.

Toxicological Information:

Acute Oral LD50:	Not tested
Primary Skin Irritation Test:	Not tested
Primary Eye Irritation:	Not tested
Human Dermal Exposure:	Not tested

Emergency and First Aid Procedures:

For minor burns caused by molten plastic material treat with cool running water immediately. If swallowed, contact a physician. Fumes or dust from this product may cause respiratory distress. If condition persists, contact a physician.

Section VII Precautions for safe Handling and Use

Waste Disposal Method:

In accordance with Local, State, and Federal regulations.

Precautions to be Taken in Handling and Storage:

Store in cool, dry, well ventilated storage area.

Section VIII Control Measures

Respiratory Protection:

Not required under normal process conditions of handling and processing yarn and with adequate ventilation.

Ventilation: Local Exhaust

Protective Gloves: No

Eye Protection: No

Other protective Clothing or Equipment: None

Work/Hygienic Practices: Wash thoroughly after handling and before eating, drinking, or using tobacco products.

Section IX Regulatory

TSCA:

All components of this product are on the TSCA inventory or are exempt from listing.

California Proposition 65:

This product contains components currently on the California list of known Carcinogens and Reproductive Toxins.

SARA/Title III:

This product contains a toxic chemical for routine annual toxic chemical release reporting under Section 313 (40 CFR 372).

Chemical Name	% by Weight
Zinc Compounds	<3

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Transportation DOT Classification: Not regulated

This information must be included in all MSDS that are copied and distributed for this material.

Section X Disclaimer

To the best of our knowledge, the information contained herein is accurate. It is obtained by A-O Industries from sources such as raw material suppliers and is believed to be true. This material safety data sheet will supersede any that was previously received as it contains the most up to date information.
