

MATERIAL SAFETY DATA SHEET

Stenidy Industries, Inc.

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: ThermaGon, Wire and Cable Compound
(Includes 9157G)

MSDS Date: 1/1/2007

Product Family: Non-halogenated flame retardant polyolefin compound.

Product Description: Opaque gray pellets.

Stenidy Industries, Inc.
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USA

Emergency Telephone (317) 873-5343

2. COMPOSITION / INFORMATION ON INGREDIENTS

Proprietary non-halogenated polyolefin-based flame retardant compound containing metal oxide hydrate filler and additives. For component listing: Carcinogens are listed when present at 0.1% or greater; Components which are otherwise hazardous according to OSHA are listed when present at 1.0% or greater; Non-hazardous components are listed at 3.0% or greater. This is not intended to be complete compositional disclosure.

<u>Composition</u>	<u>CAS No.</u>	<u>Range in %</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Polyolefin Copolymers	Trade Secret	20 - 60	None Established	
Metal Oxide, Hydrated	Trade Secret	40 - 80	None Established	
Carbon Black	1333-86-4	0 - 5	3.5 mg/m ³ (TWA)	3.5 mg/m ³ (TWA)
Minor Components	Trade Secret	0 - 5	None Established	
Particulates not otherwise classified (PNOC)				10 mg/m ³ (TWA) Inhalable Particulate)
Particulates not otherwise regulated (PNOR)			15 mg/m ³ (TWA) (Total Dust)	

3. HAZARDS IDENTIFICATION

Emergency Overview: Mixture of polyolefin resins and metal oxide hydrate filler with little odor. Poses little or no immediate hazard. Spilled pellets should be picked up and disposed of properly.

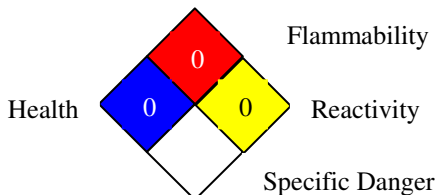
Hazard Rating Systems (United States):

Caution: HMIS ratings are based on a 0-4 scale with 1 representing minimal hazards or risks, and 4 representing significant hazards or risks. Recommended HMIS ratings should not be used in the absence of a fully implemented HMIS hazard communication program.

Hazardous Material Identification System (United States)

Health	0
Flammability	0
Reactivity	0
Personal Protection	

National Fire Protection Association NFPA (United States)



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Appearance: Gray solid pellets.

Odor: Weak paraffin-like or polyolefin-like.

Potential Health Effects:

Acute:

Eye: Avoid direct contact. Particulates may scratch eye surfaces and cause irritation.

Skin: Exposure to hot material may cause thermal burns. Negligible hazard at ambient temperatures (0 to 100 degrees F). Residual dust or small particulates may cause skin irritation or abrasion.

Ingestion: Do not ingest. This product is relatively non-toxic by ingestion.

Inhalation: Negligible hazard at ambient temperatures (0 to 100 degrees F). Vapors that may be given off at elevated temperatures may be irritating to eyes and respiratory tract. Dust may cause irritation of the nose and throat.

Sensitization Properties: Unknown

Chronic: Prolonged or repeated inhalation of dust or particulates may impair lung function or cause lung damage.

4. FIRST AID MEASURES

Eyes: This product is an inert solid. If in eye, remove as one would remove any foreign object.

Skin: Pellets may cause slight skin irritation if skin contact is repeated or prolonged due to the slightly abrasive nature of this solid product. For hot product, immediately immerse in or flush affected area with large amounts of cold water to dissipate heat. Cover with clean bandage and get prompt medical attention.

Ingestion: Ingestion of pellets may be irritating to digestive tract.

Inhalation: In case of adverse exposure to vapors released at elevated temperatures, move victim to fresh air to avoid vapors. If victim has stopped breathing, give artificial respiration and seek prompt medical attention.

5. FIRE FIGHTING MEASURES

Flammable Properties:

Flash point: Not applicable.

Autoignition temperature: Not applicable.

Flammable limits: Not applicable.

Hazardous Combustion Products: If combusted at elevated temperatures, solid product will form gases such as hydrocarbons and carbon monoxide. Water vapor will be given off at temperatures above 340 degrees F.

Extinguishing media: Foam, carbon dioxide, dry chemical or water spray may be used as extinguishing media.

Fire Fighting Instructions: Use water stream to cool fire exposed surfaces, protect personnel and extinguish fire. Respiratory and eye protection should be worn by fire fighting personnel.

Unusual Fire and Explosion hazards: If sufficient quantity of finely divided dust is mixed with air and exposed to high temperature ignition source, product may burn in open air. Dust from handling product should be kept to a minimum.

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6. ACCIDENTAL RELEASE MEASURES

Land Spill: Recover spilled pellets and place in suitable containers for recycle or disposal. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

Water Spill: Plastic pellets are defined by the US EPA under the Clean Water Act (40 CFR 122.26) as a "significant material" which requires any industrial plant that may expose pellets to storm water to secure a storm water permit. Violations of the rule carry the same penalties as other Clean Water Act violations. Pellets found in storm water runoff are subject to EPA regulations with the potential for substantial fines and penalties. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations. Recover the spilled material and place in suitable containers for recycle or disposal.

7. HANDLING AND STORAGE

Handling Conditions: Use good industrial hygiene practices. Keep water and moisture away from product to ensure best performance of product. Product may be dried prior to processing.

Storage Conditions: Store in a dry place away from moisture and excessive heat. Storage temperatures should not exceed 110 degrees F. Avoid static charge problems in pouring the pellets into a metallic container. Assure proper electrical grounding of all handling equipment. Maintain good housekeeping standards to prevent accumulation of dust.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection:

Eye/Face: Wear safety glasses with side shields. Heat resistant face shield recommended when handling hot material.

Skin: Wear clean body covering and gloves impervious to dust to minimize skin contact. Where contact may occur with hot material, wear thermal resistant gloves, arm protection and a face shield.

Respiratory: Airborne concentrations should be kept to lowest levels possible. For conditions where exposure to dust and vapors is apparent, a NIOSH approved respirator for dust mists and fumes appropriate to the airborne concentration may be worn.

Ventilation: Provide adequate ventilation where heat can cause polyolefin resin to break down, e.g. extrusion. Local exhaust ventilation may be necessary for some operations where there is a need to draw dusts and vapors from worker breathing zones.

9. PHYSICAL PROPERTIES AND CHEMICAL PROPERTIES

Physical state: Gray solid pellets.

Odor: Very slight odor.

Boiling point: Not applicable.

Melting point: 160 - 200 degrees F.

Vapor pressure (mm Hg): Not applicable.

Vapor density (air=1): Not applicable.

Specific Gravity (water=1): Approximately 1.5.

Water solubility: Insoluble.

Evaporation rate (Butyl acetate = 1): Not applicable.

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10. STABILITY AND REACTIVITY

Chemical Stability: Stable. Compound will release water vapor if heated above 370 degrees F.

Conditions to Avoid: Decomposition of material during thermal processing.

Incompatibility with Other Materials (Materials to Avoid): Acids and strong oxidizing agents.

Hazardous Polymerization: Does not occur.

Hazardous Decomposition: Hydrocarbon fumes and water vapor may be generated with combustion.

11. TOXICOLOGICAL INFORMATION (See Section 3 for Potential Health Effects)

Immediate (Acute) Toxicity: No effects from acute exposure are known.

Chronic Toxicity: No effects from chronic exposure are known.

Skin: The dermal LD50 has not been determined.

Ingestion: The oral LD50 has not been determined.

Mutagenicity (Ability to affect genetic material): No relevant information found.

12. ENVIRONMENTAL INFORMATION

Mobility: Not determined.

Aquatic Toxicity: Not determined.

Potential to Bioaccumulate: No bioconcentration of this polymeric product is expected.

Degradation and Transformation: Not determined. The polymeric product is not expected to biodegrade.

Ecotoxicity: No relevant information found.

13. DISPOSAL INFORMATION

Spill Response: Sweep pellets and dispose of properly. Avoid the generation of dust in the area.

Recommended Disposal: Dispose of as solid waste observing all local, state, and federal regulations.

14. TRANSPORTATION INFORMATION

U.S Department of Transportation (DOT)

Hazard Class: Not regulated.

Label Required: Not regulated.

Identification number: Not available.

Packing Group: Not regulated.

TDG

Proper Shipping Name: Not regulated.

Hazard Class: Not regulated.

Identification Number: Not regulated.

Label Required: Not regulated.

Canadian Regulations

Shipping Description: Not regulated.

WHMIS: Not controlled under WHMIS.

IMDG

Proper Shipping Name: Not regulated.

ICAO

Proper Shipping Name: Not regulated.

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15. REGULATORY INFORMATION

United States Regulations:

OSHA: This product and the components of this product are not considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

CERCLA 102(a)/DOT Hazardous Substances: If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). Contact local authorities to determine if there may be other local reporting requirements.

SARA TITLE III: This product and the components of this product are not considered hazardous according to the EPA Hazard categories defined by SARA Title III, Sections 302, 304 and Sections 311, 312 (40 CFR 370) and Sections 313 (40 CFR 372).

States Right-to-Know Regulations: This product is not subject to Right-to-Know Regulations.

California Prop 65: Know detectable components of this product are substances, or belong to classes of substances, known to the State of California to cause cancer and/or reproductive toxicity.

International Regulations:

TSCA: This product, or its components, are listed on or are exempt from the Toxic Substance Control Act (TSCA) Chemical Substances Inventory.

WHMIS Classification: Not regulated.

Canadian Inventory Status: This product, or its components, are listed on or are exempt from the Canadian Domestic Substance List (DSL).

EINECS Inventory Status: This product, or its components, are listed on or are exempt from the European Inventory of Existing Chemical Substances (EINECS) or the European List of Notified Chemical Substances (ELINCS).

Australian Inventory Status: This product, or its components, are listed on or are exempt from the Australian Inventory of Chemical Substances (AICS).

Japan Inventory Status: This product, or its components, are listed on or are exempt from the Japanese Ministry of International Trade and Industry (MITI) inventory.

16. OTHER INFORMATION

Avoid accumulation of dust or dust clouds. Practice good housekeeping and keep all handling and storage systems properly maintained.

Product may contain varying levels of additives, such as antioxidants, stabilizers, corrosion inhibitors, and polymer lubricants.

Date Issued: 1-1-2007

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