



General Plastic Extrusions, Inc.

Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Description: A thin film manufactured from thermoplastic polyethylene resins.

Product Code: 7010, 7012, 7013, 7015, 7018, 7032, 7033, 7215, 7512, 7710, 7712, 2427

Company Address: General Plastic Extrusions, Inc.
1238 Kasson Drive
Prescott, WI 54021
(715) 262-3806

Emergency Telephone: CHEMTREC USA 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview

This material is NOT HAZARDOUS by OSHA Hazard Communication definition.

Signal Word: CAUTION.

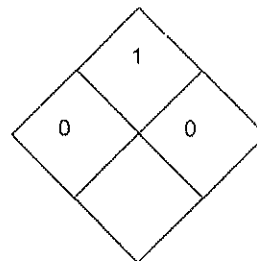
Hazards

Dust may form explosive mixtures with air. Molten polymer may cause thermal burns.

Health	0
Flammability	1
Physical Hazard	0

HIMS®

NFPA®



Physical state: solid

Color: translucent to white

Odor: Faint, mild hydrocarbon odor.

Odor Threshold: No value available.

Potential health effects

Note: Airborne, respirable particles of Crystalline Silica were found to be a Group 1 known human carcinogen in a recent study by IARC. NTP classifies it as reasonably anticipated to be a carcinogen (Group 2). The additives in this product are encapsulated in a thermoplastic resin with limited release under normal conditions of transportation and use. Increased release may occur when the product is melted, ground to a smaller particle size or subjected to decomposition.

Skin: Molten polymer may cause thermal burns.

Inhalation: "Nuisance dust" such as polymer dust typically exhibit no significant health effect when they are reasonably controlled. Exposure to high concentrations of dust may cause slight irritation by mechanical action.

Eyes: Mechanical irritation is possible.



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Ingestion: Ingestion not a likely route of exposure.

Chronic effects: No known chronic health effects.

Aggravated Medical Condition: No known conditions are aggravated by this material.

3. COMPOSITION INFORMATION

Nylon and/or EVOH containing films co-extruded with a blend of polyethylene homopolymers and copolymers containing one or more of the following:

Name	CAS#	Composition
Polyethylene, homopolymer	9002-88-4	Proprietary
Ethylene-vinyl acetate-vinyl alcohol copolymer	26221-27-2	Proprietary
Polyamide	25038-54-4	Proprietary
Nylon 6/66 Copolymer	24993-04-2	Proprietary
Modified Polyolefin Blend grafted with Maleic Anhydride	Proprietary	Proprietary
1-Butene, polymer with ethene	108-31-6	≤ 0.01
1-Hexene, polymer with ethene	25087-34-7	Proprietary
1-Octene, polymer with ethene	25213-02-9	Proprietary
	26221-73-8	Proprietary

Additionally, the film products may contain one or more of the following additives:

Name	CAS#	Composition
Oleamide	301-02-0	< 0.2%
Erucamide	112-84-5	< 0.2%
Limestone	1317-65-3	0 - 10%
Silica, Quartz	14808-60-7	< 1.0%
Talc	14807-96-6	< 1.0%

The additives in this product are encapsulated in a thermoplastic resin with limited release under normal conditions of transportation and use. Increased release may occur when the product is melted, ground to a smaller particle size or subjected to decomposition.

4. FIRST AID MEASURES

General advice: Take proper precautions to ensure your own health and safety before attempting rescue and providing first aid. For specific information refer to the Emergency Overview in Section 2 of this SDS.

Skin: If molten material contacts the skin, immediately flush with large amounts of water to cool the affected tissue and polymer. Do not attempt to peel polymer from skin. Obtain emergency medical attention.

Inhalation: If symptoms are experienced, move victim to fresh air. Remove person to fresh air. If signs/symptoms continue, get medical attention.

Eyes: Flush eyes thoroughly with water for several minutes and seek medical attention if discomfort persists.



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Ingestion: Adverse health effects due to ingestion are not anticipated.

Notes to physician: Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient. Treat burns or allergic reactions conventionally after decontamination.

5. FIRE-FIGHTING MEASURES

Flammable properties

Classification: Not Classified. Polymer will burn but does not easily ignite.

Flash point: Not applicable.

Autoignition temperature: 343 °C (649.4 °F)

Lower explosion limit: Not applicable.

Upper explosion limit: Not applicable.

Extinguishing Media

Suitable extinguishing media: SMALL FIRE: Use DRY chemicals, CO2, water spray LARGE FIRES: Use large quantities of water spray.

Protective equipment and precautions for firefighters

Protective Equipment: Wear an approved positive pressure self-contained breathing apparatus and firefighter turnout gear.

Precautions for fire-fighting: Polyolefin dust particles in the atmosphere are combustible and may be explosive. Avoid sparks, heat, and open flame.

Hazardous combustion products: Carbon monoxide, olefinic and paraffinic compounds, trace amounts of organic acids, ketones, aldehydes and alcohols may be formed.

6. ACCIDENTAL RELEASE MEASURES

Equip responders with proper protection. Avoid generating dust. With clean shovel place material into clean, dry container and cover loosely; move containers from spill area. All recovered material should be packaged, labeled, transported and disposed of or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices. Reclaim where possible. Pick up and retain for recycle or disposal.

7. HANDLING AND STORAGE

Handling: Keep away from heat and sources of ignition.

Storage: Keep dry. Store away from excessive heat and away from strong oxidizing agents. Keep container closed to prevent contamination.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Ventilate area to prevent accumulation of dust.

Personal Protection: A respiratory protection program that meets OSHA's 29 CFR 1910.134 or ANSI Z88.2 requirements must be followed whenever exposure to airborne contaminants are likely



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to exceed limits for nuisance dust. Wear heat protective gloves and clothing if there is a potential for contact with heated material. Protective clothing such as long sleeves or a lab coat should also be worn. Safety glasses or dust service goggles should be worn to prevent mechanical injury or other irritation to eyes due to airborne particles.

Occupational Exposure Limits

Component	Source	Type	Value
Proprietary Blends of Polyolefinic Polymers	US (OSHA)		15mg/m ³ , Total Dust
	US (OSHA)		5 mg/m ³ , Respirable Fraction
	US (ACGIH)		10 mg/m ³ , Inhalable Fraction
	US (ACGIH)		5 mg/m ³ , Respirable Fraction
Maleic Anhydride	US (OSHA)	TWA	0.25 ppm (1mg/m ³)
	NIOSH	IDLH	10 mg/m ³
	US (ACGIH)	TWA	0.1 ppm

Remarks

Selection of appropriate personal protective equipment should be based on an evaluation of the performance characteristics of the protective equipment relative to the task(s) to be performed, conditions present, duration of use, and the hazards and/or potential hazards that may be encountered during use. Use good personal hygiene practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: solid translucent, to, white

Odor: Faint, mild hydrocarbon odor.

Boiling point/boiling range: Not applicable.

Lower explosion limit: Not applicable.

Upper explosion limit: Not applicable.

Relative density: 0.91 - 0.98 (water=1)

Viscosity: Not applicable.

Vapor pressure: Not applicable.

Melting point/freezing point: 104 -138 °C (219.2 - 280.4 °F)

Autoignition temperature: 343 °C (649.4 °F)

Flammability: Not Classified. Polymer will burn but does not easily ignite.

Partition coefficient: n-octanol/water: No Data Available.

Other physico-chemical properties: No additional information available. No additional information available.

pH: Not applicable.

Odor Threshold: No value available.

Flash point: Not applicable.

Explosive properties: No Data Available.

Oxidizing properties: No Data Available.

Relative vapor density: Not applicable.

Water solubility: Insoluble.

Evaporation rate: Not applicable.

10. STABILITY AND REACTIVITY

Chemical stability: The product is stable.

Conditions to avoid: Avoid contact with strong oxidizers, excessive heat, sparks or open flame.

Materials to avoid: Material may be softened by some hydrocarbons.

Hazardous decomposition products: Not expected to decompose under normal conditions.

Hazardous polymerization: Will not occur.

Reactions with Air and Water: Does not react with air, water or other common materials.



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11. TOXICOLOGICAL INFORMATION

Acute effects

Inhalation: Rats inhaling polyethylene dust developed mild inflammatory changes in the lungs.

Ingestion: No adverse health effects were noted on the digestive system of test animals when fed up to 20% polyethylene.

Repeated dose toxicity

Subchronic, 50-90 day, feeding studies conducted on rats, dogs and swine showed no effects from dietary levels of 1-20% powdered and shredded polyethylene.

Carcinogenicity

Not listed by IARC, NTP, OSHA or EPA.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Ecotoxicity is expected to be minimal based on the low water solubility of polymers. Maleic Anhydride has an acute fish toxicity of 138mg/l(LC50/48 Hrs - Bluegill Sunfish), an acute toxicity to aquatic invertebrates of 84 mg/l (EC50/48 Hrs - Water Flea) and a Toxicity to aquatic plants of 29 mg/l (EC50/72 Hrs - Green Algae).

Environmental fate and pathways: This material is not volatile and insoluble in water.

Persistence and degradability: This material is expected to be resistant to biodegradation and bioaccumulation is not expected to occur.

13. DISPOSAL CONSIDERATIONS

All recovered material should be packaged, labeled, transported and disposed of or reclaimed in conformance with applicable laws and regulations and in conformance with good engineering practices. Reclaim where possible. Dispose of as hazardous waste in compliance with local and national regulations.

14. TRANSPORT INFORMATION

US Department of Transportation: This product is not DOT regulated.

15. REGULATORY INFORMATION

Notification status: All ingredients are on the following inventories or are exempted from listing

Country	Notification
Australia	AICS
Canada	DSL
China	IECS
European Union	EINECS
Japan	ENCS/ISHL
Korea	ECL
Philippines	PICCS



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United States of America	TSCA
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SARA 302/304: Maleic Anhydride – RQ of 5000 lbs.

SARA 311/312: Based upon available information, this material is not classified as a health and/or physical hazard according to Section 311 & 312.

SARA 313: This product contains no known chemicals regulated under SARA 313.

State Reporting:

This product contains no known chemicals regulated by California's Proposition 65.

This product contains a chemical regulated by New Jersey's Worker and Community Right to Know Act – Maleic Anhydride.

This product contains a chemical regulated by the Massachusetts Right to Know Act – Maleic Anhydride

This product contains a chemical regulated by Pennsylvania's Right to Know Act – Maleic Anhydride.

16. OTHER INFORMATION

Disclaimer

Information is correct to the best of our knowledge at the date of the SDS publication.

The information on this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the substance itself. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS information may not be applicable.