

Section 1: Product Identification and Emergency Information

Product Description:	Polysheet HDPE	Address:	1001 Sullivan Rd. Aurora, IL 60506
Chemical Description:	Polyethylene (CAS #: 9002-88-4), Polyethylene Hexene Copolymer (CAS #: 25213-02-9), Additives	Phone Number:	Tangent - 630.264.1110
Supplier:	Tangent	CAS Number:	-
MSDS Number:	None	Date Revised:	04/03/26

Section 2: Material Identification and Information

Non-Hazardous Ingredients:	Polyethylene (CAS #: 9002-88-4), Polyethylene Hexene Copolymer (CAS #: 25213-02-9), Additives. Additives may include color pigments, UV stabilizers, antioxidants, slip agent, and foam agents which could be formulated in PE.
Hazardous Ingredients:	No Hazardous Ingredients

Section 3: Physical and Chemical Characteristics

Appearance:	Non-Translucent, Colored	Solubility in Water:	Negligible
Odor:	Slight	Evaporative Rate:	Negligible
Boiling Point:	N/A	Vapor Density (air = 1):	N/A
Melting Point:	266°F (130°C)	Evaporation Point:	N/A
Vapor Pressure (mm HG):	N/A		

Section 4: Fire and Explosion Hazard Data

Flash Point:	640°F (338°C)
Auto-Ignition Temperature:	824°F (440°C)

Section 4: Fire and Explosion Hazard Data (cont.)

Flammable Limits (LEL):	N/A
Flammable Limits (UEL):	N/A
Extinguishing Media:	Carbon dioxide, foam, dry chemical and water spray
Special Fire Fighting Instructions:	Use self-contained breathing apparatus. Use standard chemical fire fighting procedures.
Unusual Fire and Explosion Hazards:	Exposure to fire can generate toxic fumes. High dust levels may create potential for explosion.
NFPA Hazard ID:	Health: 1, Flammability: 1, Reactivity: 0

Section 5: Stability and Reactivity

Chemical Stability:	This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Reactivity:	Not reactive with water or air
Hazardous Reactions:	Dust may create static discharge, risk of dust-air explosion increase with the presents of flammable vapors. Polyethylene may react and be degraded by Organic Chlorides, Hydrocarbons and certain halogens
Conditions to avoid:	Processing polyethylene at over 300°C may emit various oligomers, waxes and oxygenated hydrocarbons as well as carbon dioxide, carbon monoxide and small amounts of other organic vapors (Inhalation of these gases may be hazardous

Section 6: Accidental Release Measures

	Material in sheet form and is not subject to spills.
Personal precautions:	Sweep up to prevent a slipping hazard avoid breathing dust, avoid dust formation.
Environmental precautions:	Do not contaminate surface water do not flush down drains
Method of cleanup:	Clean up by using brooms or vacuum dust accumulation should not be blown around using compressed air as this could cause a static charge resulting in an explosion

Section 7: Health Hazard Data

Primary Routes of Entry:	Inhalation or ingestion of dust
Health Hazards:	Dust may cause irritation of the mouth, nose, throat and eyes.
Medical Conditions Aggravated by Exposure:	Some long-term breathing conditions can be aggravated by exposing to dust from this product.
Emergency First Aid Procedures:	Seek medical assistance for further treatment, observation and support if necessary.
Eye Contact:	Do not rub eyes. Remove contact lenses. Pour gentle stream of warm water through affected area. Contact physician if further treatment is necessary.
Skin Contact:	Run a gentle stream of water over irritated area for 15 minutes. Mild soap may be used. Contact physician if further treatment is necessary.
Inhalation:	Move person to fresh air. Seek medical attention.
Ingestion:	Seek medical attention.

Section 8: Precautions for Safe Handling and Use

In case of spills or accidental release:	Waste material must be disposed of in accordance with applicable federal, state and local environmental control regulations.
Waste Disposal Methods:	Material should be disposed of through an approved waste management facility.
Precautions to be taken in handling and storage:	Store at less than 120°F (49°C). Store away from heat or open flame. Store away from strong oxidants or alkalies. Store flat and supported across entire span.
Other Precautions and/or Special Hazards:	Use gloves to protect against physical irritation or injury if required by handling and fabricating conditions. Use standard safety glasses with side shields when handling or fabricating the product. Application of this product generates dust, use an appropriate NIOSH-approved particulate filter respirator.

Section 9: Control and Protective Measures

Respiratory Protection:	None, unless machining material. A properly fitting NIOSH approved dust mask must be worn when machining this material.
Ventilation:	Machine this product only in well ventilated areas. Dust collection systems are recommended.
Protective Gloves:	Use gloves to protect against physical irritation or injury if required by handling and fabricating conditions.
Eye Protection:	Wear safety glasses with side shields when nailing, cutting or machining this product.
Other Protective Clothing and Equipment:	Wear clean body-covering clothing.
Hygienic Work Practices:	Wash hands before eating, drinking or smoking.

Section 10: Transport & Removal

Transport:	This product is not subject to any regulations as far as national or international transport is concerned. No dangerous product in respect to / according to transport regulations Notice/symbol transport containers: none No dangerous product in respect to / according to transport regulations Notice/symbol transport containers: none Special marking for containers: none Proper shipping name: not regulated Since empty containers retain product residue, follow hazard precautions even after container is emptied.
Disposal Considerations:	Waste must be recycled or incinerated at approved facilities or disposed of at refuse tips in accordance with federal, state and local regulations. Waste key for the unused product: EAK-Code 120 105 Waste name: waste of Polyethylene
Ecological Information:	Material is not readily biodegradable. Material is not expected to be harmful to aquatic organisms. Mobility: not applicable Accumulation: not applicable Eco-toxicity: not applicable

Section 11: Regulatory Information

SARA 311/312 Categories:	1) Immediate (Acute) Health Effects: No 2) Delayed (Chronic) Health Effects: No 3) Fire Hazard: No 4) Sudden Release of Pressure Hazard: No 5) Reactivity Hazard: No
California Proposition 65:	This product in its NATURAL form does not contain any chemicals known to the state of California to cause cancer, birth or any other reproductive defects
United States TSCA Inventory (TSCA)	All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory..
Other Precautions and/or Special Hazards:	Use gloves to protect against physical irritation or injury if required by handling and fabricating conditions. Use standard safety glasses with side shields when handling or fabricating the product. Application of this product generates dust, use an appropriate NIOSH-approved particulate filter respirator.

Section 12: Other Information

Information Source and References:	Information contained herein is accurate to the best of our knowledge. Tangent® makes no warranty of any kind, express or implied, concerning the safe use of this material. Existing laws and regulations are to be observed by the user of our products within their own responsibility.
Special Considerations:	Exposure to the Hazardous Combustion and Decomposition Products as described in SDS Sections 5 and 10 may be linked with various acute and chronic health effects. These effects include irritation of eyes and upper respiratory tract primarily from the aldehydes, breathing difficulties, systemic toxicity such as liver, kidney, and central nervous system effects. Polyethylene fines and dust particles are listed as a Class I combustible dust by the National Fire Protection Association (see NFPA-68, Table F.1). For additional information on control of static and minimizing potential dust and fire hazards, refer to NFPA-654, “Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing and Handling of Combustible Particulate Solids, 2006 Edition”.

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