

Section 1: Product Identification and Emergency Information

Product Description

Foamed, colored polyolefin material "PolyForce" reinforced & semi-reinforced extruded products

Chemical Description

HDPE (High Density Polyethylene) with (less than 4%) colorant and foaming agents in base HDPE resin. ≤ 30% of overall total weight is fibrous glass, < 2.5% of organic surface binder.

Supplier

Tangent Technologies

MSDS Number

None

Address

1001 Sullivan Road
Aurora, Illinois 60506

CAS Number

Phone Number

(630) 264-1110 Tangent Technologies LLC
(800) 424-9300 Chemtrec

Date Revised

08/27/14

Section 2: Material Identification and Information

Non-Hazardous Ingredients

HDPE (High Density Polyethylene) with (less than 4%) colorant and foaming agents

Hazardous Ingredients

≤ 30% of overall total weight is fibrous glass with < 2.5% of organic surface binder.
Note: Fiberglass may cause mechanical irritation to the skin, eye and upper respiratory tract.

Section 3: Physical and Chemical Characteristics

Appearance

Non-Translucent, Colored Extruded product

Odor

Slight

Boiling Point

N/A

Melting Point

250° F 121 °C

Vapor Pressure (mm HG)

N/A

Specific Gravity (H2O = 1), (g/cc)

0.65 – 0.88

Solubility in Water

Negligible

Evaporative Rate

Negligible

Vapor Density (air = 1)

N/A

Evaporation Point

N/A

Section 4: Fire and Explosion Hazard Data

Flash Point

645° F 340°C
Fiberglass component will not support combustion

Auto-Ignition Temperature

645° F 340°C

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

TANGENT

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Section 5: Reactivity Hazard Data

Stability

Stable

Conditions to Avoid

Extreme Heat

Incompatibility (Materials to Avoid)

Strong Oxidizers

Hazardous Decomposition Products

Carbon Monoxide, Aldehydes, Acetic Acid

Section 6: Health Hazard Data

Primary Routes of Entry

Inhalation or ingestion of dust

Health Hazards

Dust may cause irritation of mouth, nose, throat, and eyes

Medical conditions aggravated by exposure

Some long-term breathing conditions can be aggravated by exposure 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
If symptomatic contact physician if further treatment is necessary.

Ingestion

Seek medical attention

Section 7: 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. Use vacuuming or wet sweeping methods instead of dry sweeping.

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

Other Precautions and/or Special Hazards

Store away from heat or open flame. Store away from strong oxidants or alkalis. Store flat and supported across entire span. 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 fabrication the product. Application of this product generates dust, use an appropriate NIOSH-approved particulate filter respirator.

Section 8: 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 area, 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

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