

Section 1: Product Identification and Emergency Information

Product Description

Foamed, colored polyolefin material "PolyTuf" extruded products

Chemical Description

HDPE (High Density Polyethylene) with (less than 1%) colorant and foaming agents

Supplier:

Tangent Technologies

MSDS Number

None

Address

1001 Sullivan Rd
Aurora, IL 60506

CAS Number

Phone Number

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

Date Prepared

12/1/05

Section 2: Material Identification and Information

Non-Hazardous Ingredients

HDPE (High Density Polyethylene) with (less than 1%) colorant and foaming agents

Hazardous Ingredients

No Hazardous Ingredients

Section 3: Physical and Chemical Characteristics

Appearance

Non-Translucent, Colored

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

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, flush with running water, seek medical attention

Skin Contact

None

Inhalation

Move person to fresh air, seek medical attention

Ingestion

Seek medical attention

Section 7: Precautions for safe handling and use**In case of spills or accidental release**

Dispose of as normal refuse in accordance with applicable federal, state, and local regulations.

Waste disposal methods

Dispose as normal refuse, or recycle as HDPE

Precautions to be taken in handling and storage

Store at less than 120° F 49°C

Other Precautions and/or Special HazardsStore away from heat or open flame. Store away from strong oxidants or alkalis
Store flat and supported across entire span**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

No special equipment required

Eye Protection

Wear safety glasses when nailing, cutting, or machining this product

Other Protective Clothing and Equipment

None

Hygienic Work Practices

Wash hands before eating, drinking, or smoking