

Tuff Face

1. Identification

Identification of the substance

Product name Tuff Face

Recommended use of the chemical and restrictions on use

Application Vapor barrier film

Details of the supplier of the safety data sheet

Supplier Bay Insulation Systems
2929 Walker Dr.
Green Bay, WI 54311
(920) 406-4555
mbisales@bayinsulation.com

2. Hazard(s) Identification

Physical appearance Films that are natural translucent or in various colors

Immediate concerns When using or handling Tuff Face as supplied, there are very low hazards.

OSHA hazard category Combustible dust

GHS hazard category Not classified

Signal word **Warning!** This product as shipped is not classified as combustible dust; however, a combustible concentration of dust may occur if fine powders accumulated or suspended in an enclosed or confined area (e.g. from cutting or sanding Tuff Face).

Pictogram There is no pictogram for a combustible dust hazard.

Rough edges of Tuff Face could result in minor cuts to hands. Appropriate gloves should be worn to prevent cuts and/or scrapes.

Avoid contact with strong oxidizing agents.

When working with Tuff Face at hot temperatures, the material may begin to decompose producing fumes that can contain carbon dioxide, carbon monoxide, and other unidentified organic compounds that come from the breakdown of the materials used to make the films. Adequate ventilation should be provided to minimize exposures to vapors or fumes.

When cutting, shaping or modifying Tuff Face, other hazards may exist.

Potential health effects

Eyes	Dust from cutting may result and mechanically irritate the eyes; if using elevated temperatures, vapors may irritate eyes.
Skin	Cuts or scrapes referenced above; if using elevated temperatures to soften Tuff Face. Exposure to molten resin may cause thermal burns.
Inhalation	Inhalation of dust at high concentration may cause irritation of the respiratory system; inhalation of vapors from use of elevated temperatures may also cause irritation of the respiratory system.

3. Composition and Information on Ingredients

The primary composition of this product is polyethylene. This product contains a proprietary blend of components encapsulated within a polymer matrix.

Chemical Name	CAS Number	Wt.%
Polyethylene	9002-88-4	50-100
Proprietary	Mixtures	0-50

4. First Aid Measures

The following should apply if Tuff Face is to be cut, sanded or otherwise processed which generates dust, debris, or vapors.

Eye contact	Immediately flush eyes with water for at least 15 minutes. Do not rub the eyes. If irritation develops, consult a physician.
Skin contact	Get medical attention for serious burns. In case of skin contact with hot Tuff Face, immediately immerse in or flush with clean, cold water.
Ingestion	Consult physician
Inhalation	Move to fresh air. If irritation persists or breathing is difficult, get medical attention.

5. Fire Fighting Measures

Extinguishing media	Foam, dry chemical, and Carbon dioxide (CO ²)
Hazardous combustion products	Carbon Monoxide, carbon dioxide, and other possible toxic combustion products.
Explosion hazard	Avoid generation dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.
Special protective equipment for firefighters	Use self-contained breathing apparatus and full protective gear.
Sensitive to static discharge	Static discharge could be an ignition source for a combustible concentration of dust.

6. Accidental Release Measures

As supplied, the product presents no risk or spill release.

7. Handling and Storage

Precautions for safe handling	Wear safety glasses during cutting and fabrication processes. Electrostatic charge may build up during handling. Grounding of equipment is recommended.
Handling	If the product is cut or sanded, avoid exposure to dust and debris. Provide appropriate local ventilation at machinery and at places where dust can be generated. In addition, wear suitable respiratory equipment to avoid breathing dusts containing titanium dioxide and/or carbon black.
Storage	Store in a dry place and away from direct sunlight. Keep away from heat, flame and strong oxidizing agents.

8. Exposure Controls and Personal Protection

Occupational exposure limits	Not applicable.
Engineering controls	Ventilation Requirements-General ventilation should be sufficient; However, if operation conditions create high airborne concentrations of this material, special ventilation may be needed. If handling results in dust generation, special ventilation may be needed to ensure that dust exposure does not exceed the OSHA PEL for nuisance dust.
Personal Protective Equipment	
Respiratory protection	Not required under normal handling and processing. Should conditions exist that require respiratory protection, for example while cutting or sanding generating dusts, a NIOSH/MSHA approved respirator should be worn.
Eye protection	When cutting or processing the product, wear safety glasses with side shields.
Body protection	Wear protective gloves to avoid incidental cuts or scrapes that could occur when handling the edges of product.

9. Physical and Chemical Properties

Physical form	Solid Films
Specific gravity	0.7 to 1.2 (water=1)
Appearance	Solid films with various colors
Odor	Insignificant
Solubility in water	Insoluble
Melting point	120-130°C
Flash point	Not Applicable
Auto ignition temp	Not Applicable

The physical data presented above are typical values and should not be construed as specification.

10. Stability and Reactivity

Chemical stability	Stable
Conditions to avoid	Do not store product near heat or flame. When cutting or sanding, minimize dust generation and accumulation. Avoid contact with strong oxidizing agents.
Hazardous decomposition products	No dangerous decomposition products known.

11. Toxicological Information

Acute toxicity

Skin irritation Not expected to cause skin irritation.

Eye irritation Mechanical eye irritation

Sensitization/allergic reaction No sensitizing effects known

Repeated dose toxicity No known chronic health effects.

12. Ecological Information

Ecotoxicity No data is available on the adverse effects of this product on the environment.

Persistence and degradability No data available

Bio accumulative potential No data available

13. Disposal Considerations

Disposal Method

(1) Recycle (reprocess) and reclamation of Tuff Face should be encouraged where possible.

(2) Incineration including energy recovery of waste material in a permitted facility in accordance with local, state or provincial and federal regulations.

(3) Landfilling in a licensed facility in accordance with local, state or provincial and federal regulations.

14. Transport Information

This product is not regulated as a hazardous material/dangerous good for transportation. This product is not regulated by US DOT, IMO, and IAT A. It is not applicable for UN/NA number, hazard label, hazard placard, packing group, bulk packaging RO, and emergency response guide (ERG) number.

15. Regulatory Information

United States

U.S. Toxic Substance Control Act (TSCA) All component(s) comprising these products are compliant with TSCA. These products have no special requirements under TSCA (e.g. consent orders, test rules, 12(b) requirements, etc.).

OSHA Hazard Communication Rule This product is not considered hazardous material as shipped or at temperatures below the melting point according to OSHA definitions.

SARA Title III This product is not subject to SARA Title III requirements.

SARA Section 302 Toxic Chemical List No components listed.

SARA Section 313 Toxic Chemical List No components listed.

16. Other Information

HMIS ratings

Health: 0

Flammability: 1

Physical hazard: 0

Revision

2017-06-16

Revision changes

Changed for to 16 section Safety Data Sheet (SOS) to comply with OSHA HazCom Standard update published in the Federal Register of March 26, 2012 and the UN Global Harmonization System of Classification and Labeling of Chemicals (GHS) requirements.

Refer to NFPA 652, Standard for Combustible Dusts, and NFPA 654, Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing and Handling of Combustible Particulate Solids for safe handling.

Disclaimer: This Safety Data Sheet (SOS) conforms to the U.S. Department of Labor Occupational Safety and Health Administration requirements in 29 CFR 1910.1200 and is an integral part of any "RIGHT TO KNOW" program. This information should be read by the customer and made available to anyone who has reason to use or to come in contact with this product.

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