

SAFETY DATA SHEET



1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: BioFlex Polyforce
CHEMICAL FAMILY: Polyethyleneterephthalate : (100 % polyester)
SUPPLIER: BioFlex Roof Products
Canada (Head Office)
209 - 3380 South Service Road
Burlington, Ontario
L7N 3J5
EMERGENCY CONTACT: (833) 425 2441

2. HAZARDS IDENTIFICATION

PHYSICAL & CHEMICAL HAZARDS

Combustion : The ignition temperature is 483°C.Reactive, Oxidizing, Explosive/Flammable Mixture :
In melting the spunbond at high temperature, the decomposed gas eyes may be irritated.

Noncombustible : Flammable.

ADVERSE HUMAN HEALTH EFFECTS

Irritant Substances: In melting the pellet at high temperature, the decomposed gas eyes may be irritated..

ENVIRONMENTAL EFFECTS

It has been reported that sea-animals and birds sometimes died by eating plastics-pellet.

3. COMPOSITION / INFORMATION ON INGREDIENTS

CAS NUMBER SUBSTANCE(O)MIXTURE : 25038 - 59 - 9 ; UN CLASS & UN NUMBER

CHEMICAL NAME	COMP. (%)	CHEMICAL FORMULA (CONSTITUTIONAL FORMULA, STRUCTUALFORMULA)	CAS No	TSCA
Polyethylene terephthalate	100	-(OC ₂ H ₄ OC ₀ (C ₆ H ₄)C ₀) _n -	25038-59-9	Regd.

4. FIRST AID MEASURES

INHALATION: If inhalation of dust occurs and adverse effects result, remove to uncontaminated area. Call a POISON CENTER or doctor/physician if you feel unwell.

SKIN CONTACT: If on skin, wash with plenty of water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

SPECIFIC TREATMENT: Wash with lots of water.

EYE CONTACT: If in eyes, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation occurs, get medical advice/attention.

INGESTION: If swallowed, rinse mouth. Contact a poison center or doctor/physician if you feel unwell

5. FIRE FIGHTING MEASURES

SPECIFIC HAZARDS WITH REGARD TO FIREFIGHTING MEASURES:

Apply water from a safe distance to cool and protect surrounding area.

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Move container from fire areas if it can be done without risk. Firefighters should wear proper protective equipment. Keep personnel removed from and upwind of fire. Evacuate personnel to safe area. Fires involving this material produce large amounts of sooty smoke. Dense smoke emitted when burned without sufficient oxygen. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Powdered material may form explosive dust-air mixtures under unusual conditions.

EXTINGUISHING MEDIA:

In case of fire, use water spray, foam, dry chemical powder or carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

MEASURES FOR HANDLING PERSONNEL : Wear proper protective equipment.

MEASURES FOR ENVIRONMENTAL EFFECTS : Do not wash away into shower or waterway.

MEASURES WHEN HANDLING SPILLED SUBSTANCE: Sweep up, place in an bag and hold for waste disposal.

7. HANDLING AND STORAGE

HANDLING:

Exposure control for handling personnel: N. A.

Protective measures against fire & explosion: N. A.

No special requirements necessary, if handled at room temperature .

STORAGE:

Requirements to be met by storerooms and containers: Do not smoke.

Information about storage in one common storage facility: Not required.

DANGEROUS PRODUCTS AFTER DECOMPOSITION

Combustion will produce carbon dioxide and probably carbon monoxide.

DANGEROUS REACTION

Not known.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING MEASURES :

Good general ventilation should be sufficient for most conditions.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection : For most conditions, no respiratory protection should be needed; however, in dusty atmospheres, use an approved dust respirator.

Eye protection : N. A.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	spunbond	Odor:	N.A.
Density:	1.38	Boiling point:	None
Melting point:	255 ~ 265 °C	Vapor pressure:	None
Vapor density:	N.A.	Solubility(%): in water :in other	Insoluble Soluble in Phenol, Phenol Tetra Chloro- Ethane(1:1), Nitro Benzene, m-Cresol, o-Chlorophenol
Volatility:	None	Others:	

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10. STABILITY AND REACTIVITY

Flash point:	346 ~ 399 °C
Explosion limit(%) : Upper Lower	None None
Flammability:	Probable
Oxidizibility:	Improbable, in usual storage or handling.
Autoignition temperature:	483 ~ 488 °C
Combustibility :	The ignition temperature is 483°C
Spontaneous-Reactivity with water:	None
Dust explosion:	The lower limit concentration for explosion is 40g/m3, if the pellet is powdered.
Self-reactivity:	None at room temperature. In melting pellet at high temperature, the decomposed gas is generated.

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Not reported.

Sub-chronic toxicity: Not reported.

Chronic toxicity: Not reported.

Carcinogenic effects: Not reported.

Mutagenic effects: Not reported.

Irritant properties: The generated gas during drying or melting the pellet irritates your eyes.

Allergenic and sensitizing effects: Not reported.

Teratogenic effects: Not reported.

12. ECOLOGICAL INFORMATION

Biodegradability : N. A.

Bioaccumulation : N. A.

Fish toxicity : N. A.

Other information on ecotoxicity :

It has been reported that sea-animals and birds sometimes died by eating plastics-pellet.

13. DISPOSAL CONSIDERATIONS

The material can be re-used or recycled according to the regulations of Guideline EG 94/62. Disposal through controlled incineration or on authorized waste facility.

14. TRANSPORT INFORMATION

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This product does not belong to dangerous goods according to transport regulations.

15. REGULATORY INFORMATION

U.S. TSCA Status:

This product is considered to be an article by TSCA definition. All components are listed on the TSCA inventory.

SARA 302/304 Components: This product is not an Extremely Hazardous Substance subject to reporting under 40 CFR 355.

SARA 311/312 Hazards:

NHH: Not a health hazard.

NPH: Not a physical hazard.

SARA 313 Components: This product does not contain any chemicals subject to reporting as a CERCLA Hazardous Substance under 40 CFR 302.4.

OSHA Hazardous components: This is not a hazardous material as defined in the OSH Hazard communication Standard 29 CFR 1910.1200.

This product does not contain any chemicals subject to reporting as a CERCLA Hazardous Substance under 40 CFR 302.4.

This product is not a hazardous waste as listed in 40 CFR 261.33. It does not exhibit any of the hazardous characteristics listed in 40 CFR 261, Subpart C.

This product does not contain any chemicals known to cause cancer or reproductive toxicity.

16. OTHER INFORMATION

HMIS Rating

Health	0
Flammability	1
Reactivity	0
PPE	

PREPARED BY: BioFlex Roof Products

DATE: XXXXXXXX

MANUFACTURER DISCLAIMER: The information contained herein is based on data believed to be reliable by BIOFLEX ROOF PRODUCTS.. It is true and accurate to the best of our knowledge, but is not intended to be all inclusive. Users should consider this information as a supplement to other information gathered by them and must make their own determination of suitability and completeness to assure proper safe use and disposal of these materials.