

Section 1: Identification of the Substance/Mixture and the Company/Undertaking

1.1 Product Identifier

Product Name: Polyethylene Sheeting

Synonyms

Product Grades

1.2 Relevant Identified uses of the substances or mixture and uses advised against

Relevant identified use(s) Plastic film, laminating, molding, coating

1.3 Details of the supplier of safety data safety

Manufacturer Flex-O-Glass, Inc.
4647 W. Augusta Blvd.
Chicago, Illinois 60651
773) 261-5200

1.4 Emergency telephone number

773-261-5222

Section 2: Hazards Identification

EU/EEC

According to regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

According to EU Directive 67/548/EEC 9DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP Not classified

DSD/DPD Not classified

2.2 Label Elements

CLP Hazardous No label elements(s) required

DSD/DPD Risk Phrases No label elements(s) required

2.3 Other Hazards

- CLP
- May form combustible dust concentrations in the air. According to Regulations (EC) No. 1272/2008 (CLP) this material is not considered hazardous.
 - May form combustible dust concentrations in air. According to European Directive 1999/45/EC this material is not considered dangerous.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classifications of the substance or mixture

OSHA HCS 2012 Not Classified

2.2 Label elements

OSHA 2012 No label element(s) required

2.3 Other Hazards

OSHA 2012 As shipped, products is not hazardous. Under United States Regulations (29 CFR 1910.1200 – Hazard Communication Standard) this product is not considered hazardous.

Canada

According to WHMIS

2.1 Classification of the substance or mixture

WHMIS Not Classified

2.2 Label elements

WHMIS No label element(s) required

2.3 Other hazards

WHMIS May form combustible dust concentrations in air.
In Canada, the product mentioned above is not considered Hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 – Composition/Information in Ingredients

3.1 Substances

Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008

3.2 Mixtures

Composition		
Chemical Name	Identifiers (CAS)	%
Polyethylene	9002-88-4	>99.9 – 97
Antioxidants* and or slip Reagent	Proprietary	<0.75 – 0
Antiblock Reagent	Proprietary	<2 - 0

*may contain Trisnonylphenylphosphite which under some fabrication conditions may form nonyl & octyl phenols.

Section 4 – First Aid Measures

4.1 Description of first aid measures

Inhalation IF INHALED: If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Give artificial respiration if victim is not breathing. If signs/symptoms continue get medical attention.

Skin For thermal burns, flush or submerge affected area in cold water to dissipate heat. Cover with clean bandage material. Do not peel material from skin. Get medical attention. For Contact at ambient temperatures wash with soap and water.

Eye If dust or molten material contacts the eye, immediately flush with plenty of water for at least 15 minutes. If Irritation persists get medical attention immediately.

Ingestion First aid is not expected to be necessary if material is used under ordinary conditions and as recommended.

4.2 Most important symptoms and effects, both acute and delayed

Refer to Section 11 – Toxicological Information

4.2 Indication of any immediate medical attention and special treatment needed

Notes to

Physician Burns should be treated as thermal burns. The material will come off as healing occurs; therefore, immediate removal from skin is not necessary.

Section 5 – Firefighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Media Water fog, dry chemical, foam, carbon dioxide.

Unsuitable Extinguishing Media Noe Known

5.2 Special hazards arising from the substances or mixture

Unusual fire and explosion hazards

Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard.

Hazardous Combustion Products

Carbon dioxide, carbon monoxide, formaldehyde, irritating smoke.

5.3 Advice for firefighters

Wear positive pressure self-centered breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

Section 6 – Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions Do not walk through spilled material. Do not breathe dust. Avoid contact with skin and eyes. Wear appropriate personal protective equipment, avoid contact.

Emergency Procedures Contain spill and monitor for excessive dust documentation. Avoid unnecessary Personnel and equipment traffic in the spill area. Ventilate closed spaces before entering.

6.2 Environmental precautions

No special environmental precautions necessary.

6.3 Methods and material for containment and cleaning up

Containment/clean-up Measures Avoid generating dust.
 Use clean nonsparking tools to collect material.
 Dust deposits should not be allowed to accumulate on surfaces, as these may form an Explosive mixture if they are released into atmosphere in sufficient concentration.

6.3 Reference to other sections

Refer to Section 8 – Exposure Controls/Personal protection and section 13 – Disposal Consideration

Section 7 – Handling and Storage

7.1 Precautions for safe handling

Handling Avoid contact with molten material; do not breathe fumes, vapors, dust or sprays from molten or burning material. When processing at >600°F (315°C), consider use of a respirator to avoid breathing decomposition products.
 Do not use in areas without adequate ventilation. Minimize dust generation and accumulation. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Dry powders can build static electricity charges when subjected to the friction of transfer and Mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or

inert atmosphere.

- Use appropriate Personal Protective Equipment (PPE) Avoid contact with skin and eyes. Do not breathe dust. Wash thoroughly with soap and water after handling and before eating, drinking or tobacco.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Keep container closed and in ventilated area away from ignition sources, heat, open flames, and direct sunlight. Do not store with incompatible materials.

7.3 Specific end use(s)

- Refer to Section 1.2 – Relevant identified uses

7.4 Other information

- For prevention of fire and explosion keep from contact with incompatible materials. Minimize dust generation and accumulation. Because product may accumulate a static charge, use proper bonding and/or grounding procedures prior to transfer. In the United States of America, refer to NFPA Pamphlet No. 654, "Prevention of fire and Dust Explosion from the manufacturing, Processing, and handling of combustible particulate solids, 2006 edition.

Section 8 – Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines

- No applicable exposure limits available for products or components.

8.2 Exposure controls

Engineering

Measures/Controls

- Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances; such as poorly ventilated spaces, very hot processing. Evaporation of liquids from large, spraying of mists mechanical generation of dusts, drying of solids, etc.

Personal Protective Equipment

Respiratory

- For limited exposure use an N95 dust mask. For prolonged use an air-purifying respirator with high efficiency particulate air (HEPA) filters. Follow the OSHA respirator regulations found in 29 in CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN149 approved respirator if exposure limits are exceeded or symptoms are experienced.

Eye/Face

- Wear Safety goggles.

Hands

- Wear thermally resistant gloves and long sleeves when handling molten product.

Skin/Body

- Wear Long sleeves and/or protective coveralls

Environmental Exposure Controls

- Follow best practice for site management and disposal of waste.

Section 9 – Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	A translucent to whitish solid with an odorless to mild odor.
Color	Translucent	Odor	Odorless to mild
Odor Threshold	NDA		
General Properties			
Boiling Point	NDA	Melting Point	100 to 120 C (212 to 249°F)

Decomposition Temperature	>300 C (573 F) (estimated)	pH	NDA
Specific Gravity/Relative density	0.901 to 0.935 Water=1	Water Solubility	Negligible
Viscosity	NDA	Explosive Properties	Not Explosive
Oxidizing Properties	Not an oxidizer		
Volatility			
Vapor Pressure	NDA	Vapor Density	NDA
Evaporation Rate	NDA		
Flammability			
Flash Point	343 C(649.4°F) (estimated)	UEL	NDA
LEL	NDA	Autoignition	NDA
Flammability (solid, gas)	Not Flammable		
Environmental			
Octanol/Water Partition coefficient	NDA		

9.2 Other Information

- No Additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical Stability

- Stable under normal temperatures and pressures

10.3 Possibility of hazardous reactions

- Hazardous polymerization not indicated

10.4 Conditions to avoid

- Heat, sparks, open flame.

10.5 Incompatible materials

- Strong oxidizing agents, fluorine

10.6 Hazardous decomposition products

- No data available

Section 11 – Toxicological Information

11.1 Information on Toxicological effects

Component	CAS	DATA
Polyethylene (97% to 100%)	9002-88-4	Acute Toxicity: ori-rat LD50:>8 gm/kg; ihl-rat LC50:75.5 gm/m3/30m
Antioxidant or Slip Reagent (0% to 0.75%)	Proprietary	Acute Toxicity: Ingestion/Oral-Rat LD50 ● >6000 mg/kg Irritation: skin-Rat LD50 ● >2000 mg/kg
Antioxidant or Slip Reagent (0% to 0.75%)	Proprietary	Acute Toxicity: ori-rat LD50: >2500 mg/kg
Antioxidant or Slip Reagent (0% to 0.75%)	Proprietary	Acute Toxicity: ori-rat LD50:600 mg/kg; skn-rbt LD50:>20 gm/kg; Irritation: eye-rbt 500 mg MLD; eyerbt 100 uL MLD

GHS Properties	Classification
Acute toxicity	EU/CLP●Acute Toxicity – Dermal – NDA; Acute Toxicity – inhalation – Inconclusive data
Aspiration Hazard	EU/CLP●not relevant OSHA HCS 2012●Not relevant

Carcinogenicity	EU/CLP●Classification criteria not met OSHA HCS 2012●Classification criteria not met
Germ Cell Mutagenicity	EU/CLP●Classification criteria not met OSHA HCS 2012●Classification criteria not met
Skin corrosion/Irritation	EU/CLP●Classification criteria not met OSHA HCS 2012●Classification criteria not met
Skin sensitization	EU/CLP●Classification criteria not met OSHA HCS 2012●Classification criteria not met
STOT-RE	EU/CLP●NDA OSHA HCS 2012●NDA
STOT-SE	EU/CLP●NDA OSHA HCS 2012●NDA
Toxicity for Reproduction	EU/CLP●Classification criteria not met OSHA HCS 2012●Classification criteria not met
Respiratory Sensitization	EU/CLP●Classification criteria not met OSHA HCS 2012●Classification criteria not met
Serious eye damage/Irritation	EU/CLP●Classification criteria not met OSHA HCS 2012●Classification criteria not met

Route(s) Inhalation, SAkin, Eye, Ingestion

Medical Conditions Aggravated by exposure Disorders of lungs

**Potential Health Effects
Inhalation**

Acute (immediate) Exposure to dust may cause irritation. Processes such as cutting, grinding, crushing, or impact may result in generation of excessive amounts of airborne dusts in the workplace. Nuisance dust may affect the lungs but reactions are typically reversible.

Chronic (delayed) Prolonged exposure to the dust may cause wheezing, chest tightness, productive cough nasal irritation and symptoms of chronic respiratory disease.

**Skin
Acute (immediate)** Exposure to dust may cause mechanical irritation

Chronic (delayed) No data available

**Eye
Acute (immediate)** Exposure to dust may cause mechanical irritation. Excessive concentrations of nuisance dust in the workplace may reduce visibility and may cause unpleasant deposits in eyes.

Chronic (delayed) No data available

Ingestion

Acute (immediate) Excessive concentrations of nuisance dust in the workplace may cause mechanical irritation to mucous membranes.

Chronic (delayed) No data available

Key to abbreviations

LD = Lethal Dose

MLD - Mild

Section 12 – Ecological Information

12.1 Toxicity

NDA

12.2 Persistence and degradability

NDA

12.3 Bioaccumulative Potential

NDA

12.4 Mobility in Soil

NDA

12.5 Results of PBT and vPvB assessment

PBT and vPvB assessment has not been carried out.

12.5 Other adverse effects

NDA

Section 13 – Disposal Considerations

13.1 Waste treatment methods

Products Waste Dispose of content and/or container in accordance with local, regional, national, and/or International regulations,

Packaging Waste Dispose of content and/or container in accordance with local, regional, national and/or International regulations.

Section 14 – Transport Information

	14.1 UN Number	14.2 UN proper Shipping name	14.3 Transport hazard Class(se)	14.4 Packing Group	14.5 Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

14.6 Special Precautions for user None Known

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not relevant

Section 15 – Regulatory Information

15.1 Safety, Health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications None

Inventories These products comply with the following inventories:
Australia **Canada DSL/NDSL** **China** **EU EINECS/ELNICS**
Japan ENCS **Korea KECL** **New Zealand** **Philippines PICCS**
USA TSCA

California Prop 65 In compliance, no reportable substances

CERCLA In the event of a spill, the end user should verify whether reporting is required under local, state, and/or federal regulations

CONEG These products are in compliance with the heavy metals requirements of the Coalition of Northeastern Governors and California Toxics in Packaging Prevention Act (AB2021)

Ozone Depleting Substance In compliance with 40 CFR 82, no reportable substances.**RCRA** In the form delivered by Flex-O-Glass, these products are not considered as hazardous waste, and are Not subject to reporting under the Resources Conservation and Recovery Act.**15.2 Chemical Safety Assessment** No Chemical Safety Assessment has been carried out**Section 16 – Other information**

Last Revision

August 21, 2015

Preparation Date

August 21, 2015

For other Information

Contact Flex-O-Glass Customer Service 773-261-5200 ext. 222

Disclaimer/Statement of Liability

It is your responsibility to determine that our product is safe, lawful and technically suitable for your intended uses. This safety data sheet cannot cover all possible situations which the user may experience during processing. Each aspect of the user's operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this safety data sheet should be provided to employees and/or customers. Flex-O-Glass must rely on the user to use this information to develop appropriate work practice guidelines and employee instructional programs specific to the user's operation.

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Key to abbreviations

NDA=No data available