



Section 1 - Identification

Product identifier used on the label

Plastruthane Belt Skirts

Other Description(s) of Chemical

Cured Polyurethane in Solid State

Recommended use of the chemical and restriction on use

Recommended uses: Plastruthane belt skirts FOR INDUSTRIAL USE ONLY

Suitable applications may include: manufacturing polyurethane liner/pads/bumper/insulations/other products by cutting, grinding, machining, or other fabrication methods

* The "Recommended use" identified for this product is provided solely to comply with a US Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

Details of the supplier of the safety data sheet

Company:

Plastruct Polyzone Inc. 4305 Springcreek Rd

Vineland, Ont. L0R 2C0

Tel: (905)-941-3099

E-mail: customerservice@polyzone.com

Emergency telephone number

CHEMTREC 24 -HOUR EMERGENCY: 1-800-424-9300

Section 2 - Hazard(s) Identification

Classification: This product is not considered to be hazardous under OSHA 29 CFR 1910.1200.

Note: This material is considered polymer. It may not be considered as chemical, and can be exempt from many regulatory requirements for industrial chemicals.

Pictogram: NONE

Signal Word: (Not Applicable)

Hazardous Statement: (Not Applicable)

Routes of Entry: Ingestion, Inhalation of dust and fume during fabrication

Chemical Interactions: No known interactions

Medical Conditions Aggravated: None known or reported

Skin Toxicity: Not expected to be toxic from dermal contact.

Eye Toxicity: Not applicable

Ingestion Toxicity: Not expected to be toxic by ingestion.

Acute Target Organ Toxicity: There are no known or reported target organ effects from acute exposure.

Prolonged (Chronic) Health Effects

Carcinogenicity: This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.

Reproductive and Developmental Toxicity: Not known or reported to cause reproductive or developmental toxicity.

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Inhalation: There are no known or reported effects from chronic exposure.

Skin Contact: There are no known or reported effects from chronic exposure except for effects (if any) similar to those experienced from acute exposure.

Skin Absorption: There are no known or reported effects from chronic exposure.

Chronic Target Organ Toxicity: There are no known or reported target organ effects from chronic exposure.

Precautionary Statements: If this material is sawed, cut, ground, machined, or fabricated with other methods, dust may be produced; avoid inhaling the dust. Wear appropriate personal protection items shown in the Section-8 to prevent inhalation and eye-contact of the dust. When high-speed cutting tools are used it may create very high heat, which may produce smoke/vapor. Avoid using high speed tools. If using a high speed tool is unavoidable, wear a respirator recommended in the Section-8 to avoid inhaling the smoke/vapor. Fabrication job should be operated in a well-ventilated area. This product is combustible when exposed to an open flame. Avoid exposure to open flame such as welding or torch. A small number of people may develop sensitivity from exposure to the dust or vapor of this material. If symptoms of allergy or irritation occur, the individual should be removed from the job site and provided with medical attention. If respiratory difficulty develops, remove individual to fresh air and provide oxygen if needed.

Section 3 - Composition/Information on Ingredients

Ingredients	CAS Number	Concentration (Calculated)
Polyurethane Polymer	Proprietary	100%

Identity(s) and/or concentration information of the composition have been withheld as a trade secret.

Section 4 – First-Aid Measures

Inhalation: Remove individual to fresh air. Seek medical attention if breathing becomes difficult or if respiratory irritation develops. Any individual exposed to polyurethane dust or vapors who develops symptoms of allergy or irritation should be removed from the job and provided with medical attention. If respiratory difficulty develops, remove individual to fresh air and provide oxygen if needed.

Skin Contact: Wash well with soap and water. Seek medical attention if irritation develops.

Eye Contact: Flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation develops.

Ingestion: Do not induce vomiting. Give 1-2 cups of milk or water to drink. DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Section 5 - Fire-Fighting Measures

Flash Point: Not Applicable

Flash Point Method: NA

Autoignition Temperature: 500 °F (260 °C)

LEL: ND

UEL: ND

Flammability Classification: Combustible when exposed to open flame.

Extinguishing Media: Use foam, carbon dioxide, dry chemical or water fog when fighting fires.

Unusual Fire or Explosion Hazards: None identified.

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Hazardous Combustion Products: During combustion, polyurethane decomposes generating large amounts of carbon monoxide, carbon dioxide, and hydrocarbons as decomposition products. Nitrogen oxides and hydrogen cyanide may also be generated.

Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways. In case of fire, use normal fire-fighting equipment and the personal protective equipment recommended in Section 8 to include a NIOSH approved self-contained breathing apparatus. Use water to cool containers.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

Section 6 - Accidental Release Measures

Personal Protection for Emergency Situations: Use the personal protective equipment recommended in Section 8 and a NIOSH approved self-contained breathing apparatus.

Spill Mitigation Procedures: Air Release: Contain all liquid for treatment or neutralization.

Water Release: Notify all downstream users of possible contamination. Divert water flow around spill if possible and safe to do so. Continue to handle as described in land spill.

Land Release: Create a dike or trench to contain materials. Absorb spill with inert material (e.g., dry sand, clay, earth or commercial absorbent), then place in a chemical waste container. Decontaminate all clothing and the spill area using a detergent and flush with large amounts of water. Contain all contaminated water for disposal and/or treatment.

Additional Spill Information : Remove all sources of ignition. Stop source of spill as soon as possible and notify appropriate personnel. Utilize emergency response personal protection equipment prior to the start of any response. Evacuate all non-essential personnel. Dispose of spill residues per guidelines under Section 13, Disposal Consideration.

Section 7 - Handling and Storage

Handling: Avoid breathing dust or vapor from machining. Handle in accordance with good industrial hygiene and safety practices. Wash thoroughly after handling.

Storage: Store in a dry indoor storage. Avoid direct sunlight, high humidity, and very high temperature. Avoid contact with water for a long time.

Storage Temperature: Ambient.

Incompatible Materials for Storage: Refer to Section 10, "Incompatible Materials."

Section 8 - Exposure Controls / Personal Protection

Engineering Controls:

Ventilation (During Fabrication): Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls (During Fabrication):

Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or nonroutine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. *Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.* If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

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Protective Clothing/Equipment: Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 - Physical and Chemical Properties

Appearance; Solid
Upper/lower flammability; ND
Odor; NA
Vapor pressure; NA
Odor threshold; ND
Vapor density; ND
pH; ND
Relative density; 1.00 – 1.40 g/cm
Melting point/freezing point; NA

Solubility(ies); NA
Initial boiling point and boiling range; ND
Flash point; NA
Evaporation rate; ND
Flammability rating; Combustible if exposed to open flame
Partition coefficient: n-octanol/water; ND
Auto-ignition temperature; 500 °F (260 °C)
Decomposition temperature; ND
Viscosity; NA

Section 10 - Stability and Reactivity

Stability: Plastruthane belt skirts is stable at room temperature in closed containers under normal storage and handling conditions. Not sensitive to mechanical shock. Not sensitive to static discharge.

Polymerization: Product will not undergo hazardous polymerization.

Chemical Incompatibilities: ND

Conditions to Avoid: Long exposure to direct sunlight, water, acid, base, and solvents. Exposure to very high temperature and open flame.

Hazardous Decomposition Products: During combustion, Plastruthane belt skirts decomposes with large amounts of carbon monoxide, carbon dioxide, and hydrocarbons as decomposition products. Nitrogen oxides and hydrogen cyanide may also be generated.

Decomposition Temperature: No data

Section 11- Toxicological Information

Toxicological Information for Plastruthane belt skirts

A number of toxicological studies have determined that finished polyurethane products are physiologically and chemically inert and produce no sensitization response even in highly sensitive persons. These studies should not be interpreted to mean that all polyurethane products are completely innocuous.

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Finishing, fabricating, and cutting operations may create dust and/or organic vapors if the decomposition temperature is exceeded. Dust and vapors can cause allergic like reactions in individuals with isocyanate sensitivity when they come into contact with the eyes or asthma like reactions when inhaled. Individuals with known isocyanate sensitivity should avoid exposure to these conditions.

Carcinogenicity: IARC, NTP, and OSHA do not list Polyurethane Solid as a carcinogen.

Medical Conditions Aggravated by Long-Term Exposure: None known.

Section 12 - Ecological Information

Ecological Toxicity Values for Plastruthane Sheets: No Data Available

Note: Plastruthane belt skirts are inert polyurethane polymer in its solid state. Uncontrollable releases of large amounts and/or significant ecological effects on environment are highly unlikely.

Section 13 - Disposal Considerations

CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THE MATERIAL. THE USER OF THE MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMENT, STORAGE AND DISPOSAL FOR HAZARDOUS AND NONHAZARDOUS WASTES.

Waste Disposal Summary :

Dispose as solid non-hazardous waste. When this product becomes a waste, it does not meet the criteria of a hazardous waste as defined under 40 CFR 261, in that it does not exhibit the characteristics of hazardous waste of Subpart C, nor is it listed as a hazardous waste under Subpart D.

Potential US EPA Waste Codes: Not Applicable

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101): Plastruthane belt skirts are not considered DOT hazardous

Land (US DOT): NOT REGULATED AS A DOT HAZARDOUS MATERIAL

Water (IMDG): NOT REGULATED AS A HAZARDOUS MATERIAL,

Air (IATA): NOT REGULATED AS A HAZARDOUS MATERIAL,

UN number: Not Applicable

UN proper shipping name: Not Applicable

Transport hazard class(es): Not Applicable

Packing group number: Not Applicable

Environmental hazards: None known

Guidance on transport in bulk: Not Applicable

Air transport (ICAO/IATA): Non-Regulated

Section 15 - Regulatory Information

EPA Regulations:

Toxic Substances Control Act (TSCA): The components of this product are listed on the TSCA Inventory of Existing Chemical Substances or exempt from listing.

EPA Pesticide Registration Number: None established

FIFRA Listing of Pesticide Chemicals (40 CFR 180): Not registered in the US under FIFRA.

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Extremely Hazardous Substance Section 302 - Threshold Planning Quantity:

SARA III Threshold Planning Quantity: None established

Reportable Quantity (49 CFR 172.101, Appendix):

CERCLA: None established

SARA III Reportable quantity: None established

Supplier Notification Requirements (40 CFR 372.45), 313 Reportable Components

SARA III De minimis concentration: None established

Clean Air Act Toxic ARP Section 112r:

CAA 112R: None established

Clean Air Act Socmi:

HON SOC: None established

Clean Air Act VOC Section 111:

CAA 111: None established

Clean Air Act Haz. Air Pollutants Section 112:

CAA: None established

CAA 112I: None established

CAA AP: None established

State Regulations: NA

Section 16 - Other Information

Additional Hazard Rating Systems: Key to HMIS/NFPA labeling:

NFPA Rating (Not Established)

Health	
Flammability	
Reactivity	
Other	

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

HMIS Rating

Health	0
Flammability	1
Physical Hazard	0

0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

* = Chronic Health Hazard

Safety Data Sheet for Plastruthane belt skirts: Issued by Plastruct Polyzone Inc.

Disclaimer: This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of the manufacturer. The data on this sheet related only to the specific material it states. The manufacturer assumes no legal responsibility for use or reliance upon the given data. Plastruct is not the manufacturer of Plastruthane belt skirts.