



MATERIAL SAFETY DATA SHEET

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I. PRODUCT IDENTIFICATION

PRODUCT NAME:	PolyTurf Xtreme Turf Premier – polyurethane coating
CHEMICAL NAME	Polyethylene Grass Fiber
OSHA HAZARD:	Non-hazardous
PRODUCT DESCRIPTION	Artificial Turf Floor Covering
PRODUCT CODE:	xtpn55u

II. MANUFACTURER

PolyTurf, Inc 4000 Barranca Parkway, Suite 250, Irvine, California, 92604 tel: (949) 551-4696 • fax: (949) 551-4695

III. STANDARD MATERIALS

BACKING:	Double Layer Matrix Backing
FIBERS:	Polyethylene Grass Fiber
FIBER COATING:	Polyurethane Coating Material
COLOR	Green standard color

IV. TESTING DATA

ENVIRONMENTAL		
Measuring parameter	test results	requirements
EOX	< 10 ppm	≤ 100 ppm
DOC	35 ppm	≤ 40 ppm
Lead/Pb, acid eluate	< 0.005 ppm	≤ 0.04 ppm
Cadmium/Cd, acid eluate	< 0.001 ppm	≤ 0.005 ppm
Chromium/Cr total, acid eluate	< 0.005 ppm	≤ 0.05 ppm
Chromium VI/Cr VI, acid eluate	< 0.005 ppm	≤ 0.008 ppm
Mercury/Hg, acid eluate	< 0.0002 ppm	≤ 0.001 ppm
Tin/Sn, acid eluate	< 0.01 ppm	≤ 0.05 ppm
Zinc/Zn, acid eluate	0.83 ppm	≤ 3 ppm
Toxicity	< 1%	≤ 50%
FIRE		
AATCC Method 20 - Fiber Melting Point 130°C		
BS 7044 Method 4 - Water Infiltration Rate 84 inches/hr		
ASTM D2859 - Flammability – Pill PASS		
STRENGTH		
EN 12228 Method B - Seam Strength (water aged) 98 water aged		
ASTM D5034 - Grab Tear Strength – Length 259 lbs/force		
ASTM D5034 - Grab Tear Strength – Width 278 lbs/force		
ASTM D2256 - Grass Fiber Tensile Strength – Breaking 31.69 lbs/force		

V. PHYSICAL DATA

APPEARANCE:	Grass like carpet with polyethylene fibers and latex backing.
COLOR:	Green
ODOR:	virtually odorless
WEIGHT:	~ .5 LB/SQ.FT.
INFILL:	None required.

VI. FIRE AND EXPLOSION DATA

FLAMMABILITY;	Low, see test results above.
EXTINGUISHING MEDIA:	Dry Chemical, Carbon Dioxide, chemical foam or water spray.
SPECIAL PRECAUTIONS:	Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by fire-fighters. During a fire, vapors and other irritating and toxic gases may be generated by thermal decomposition or combustion of the polyethylene fibers and latex backing.
UNUSUAL HAZARDS:	Soak thoroughly with water to cool and prevent re-ignition. Dense smoke is emitted when burned without sufficient oxygen. Under fire conditions, polymers decompose. The smoke may contain polymer fragments of varying composition in addition to unidentified toxic and/or irritating components. Hazardous combustion by-products may include, and are not limited to, carbon monoxide, carbon dioxide.

VII. HUMAN HEALTH DATA

OSHA PERMISSIBLE EXPOSURE LIMIT:	Not an established value.
ACGIH THRESHOLD LIMIT VALUE:	No established value, product is inert.
CARCINOGEN-NTP PROGRAM:	Not an established value.
CARCINOGEN-IARC PROGRAM:	Not an established value..
SYMPTOMS OF EXPOSURE:	
EYE CONTACT:	Yarn or dust may cause irritation or corneal injury due to mechanical action.
SKIN CONTACT:	Essentially non-irritating to skin, Mechanical injury only.
SKIN ABSORPTION:	Prolonged skin exposure is not likely to result in material being absorbed through skin in harmful amounts.
INGESTION:	May cause choking if yarn is swallowed. Single dose oral toxicity is believed to be very low. Material is considered physiologically inert.
INHALATION:	Vapors are unlikely due to physical properties. Single exposure to dust or filaments is not likely to be hazardous.
PRIMARY ROUTE(S) OF ENTRY:	Skin contact, Inhalation. Under normal circumstances, material is solid and inert. Abraded material may form fibrous or particulate dust.

VIII. EMERGENCY AND FIRST AID PROCEDURES

EYES:	Irrigate immediately with water for at least 5 minutes. Mechanical irritation only.
SKIN:	Wash off dust, particulate and loose filaments with flowing water or shower. Should molten material contact skin, cool affected area with water and exclude air. Treat for burn.

INGESTION: No adverse effects anticipated by this route of exposure incidental to proper industrial handling.

INHALATION: No adverse effects anticipated by this route of exposure incidental to proper industrial handling. If a problem develops, remove person to fresh air and supply oxygen if necessary.

NOTE: When the turf is new, an unpleasant but non-toxic taste may be deposited on the hands after handling the turf. This is caused by the coating deposited on the fibers during the manufacturing process. Wash hands in warm soapy water to remove the taste. The coating may be reduced on the installed turf by hosing down with fresh water. Adding some detergent to the water will further remove the taste.

IX. ENVIRONMENTAL PROTECTION PROCEDURES

SPILL RESPONSE: Sweep up or vacuum in dry waste container and discard.

WASTE DISPOSAL METHOD: Ensure that this material or products made from this material are below 190°C (374°F) before storing or discarding. Recycle or burn in approved incinerator in accordance with local, state and federal regulations.

X. TRANSPORTATION INFORMATION

PRODUCT LABEL: PolyTurf Xtreme Turf Premier.

PROPER SHIPPING NAME: Polyethylene fiber/polyurethane coating artificial turf.

HAZARD CLASS OR DIVISION: Non-hazardous.

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