

Polyaspartic PATC™ TopCoat

SDS
SAFETY DATA SHEET

by InduraFloor – ENGINEERED TO LAST A LIFETIME

Part 1: IDENTIFICATION

Date Prepared or Revised:	April 21, 2023. For most current SDS go to www.InduraFloor.com
Product Name:	Polyaspartic PATC™ TopCoat
Recommended use:	Two-component high performance topcoat
Chemical Classification:	Aliphatic polyisocyanate
Manufacturer:	InduraFloor, Inc. 7251 Garden Grove Blvd. Suite K Garden Grove, CA 92841 USA
Emergency Contact:	Contact your local emergency services or Contact Chemtrec (24-hr): 1-800-424-9300

Part 2: HAZARDS IDENTIFICATION

Label Elements GHS-US

Hazard Pictograms:



Signal Word:
Danger

Statements:

Hazard Statements (GHS-US)

H226	Flammable liquid and vapor.
H315	Can Cause skin irritation.
H319	Can Cause serious eye irritation.
H317	May cause allergic skin reaction.

Precautionary Statements

P202	Do not handle until all safety precautions have been read and understood.
P102	Keep out of reach of children.
P264	Wash hands thoroughly after handling.

Responsive Precautionary Statements

P264	Wash thoroughly after handling.
P280	Wear protective gloves / protective clothing / eye protection / face protection.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301 + P330 + P331 + P310	IF SWALLOWED: Rinse mouth, do not induce vomiting. Immediately call a POISON CENTER or doctor / physician.

Part 3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Percent (%)
Aspartic Ester	136210-30-5	25-35%
Methyl Ethyl Ketone	78-93-3	15-20%
Isophorone diamine	54914-37-3	3-10%
Propylene Carbonate	108-32-7	3-8%
Hexamethylene 1.6 diisocyanate	822-06-0	0.1-2%

Part 4: FIRST AID MEASURES

When seeking medical advice take this Safety Data Sheet with you.

Eye Contact:

Immediately flush eyes cautiously with plenty of water. Remove contact lenses if present and easy to do. Continue to rinse for at least 20 minutes. Do not rub eyes as this may cause irritation or cause damage. If irritation persists, seek professional medical attention.

Skin Contact:

Quickly and gently wash with plenty of soap and water. Remove contaminated clothes and shoes. Continuously flush the contaminated area with lukewarm gently flowing water for at least 20 minutes. If skin irritation or rash occurs, seek medical advice.

Inhalation:

Remove victim to fresh air and keep in a comfortable position. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Seek medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Contact poison control center.

Ingestion:

Wash out mouth with water. Move victim to fresh air and in a comfortable rest position. Do not induce vomiting. If vomiting occurs, head should be kept low so that the vomit does not enter the lungs. Get medical attention. If unconscious, place in recovery position. Maintain an open airway. Contact poison control center.

Most Important Symptoms and effects, both acute and delayed:

Acute Health Effects:

Eye Contact: Causes serious eye irritation.
Inhalation: Causes respiratory tract irritation.
Skin Contact: Causes skin irritation.
Ingestion: No known significant effects or critical hazards.

Delayed Health Effects:

Eye Contact: Adverse symptoms may include pain or irritation, watering and redness.
Inhalation: Adverse symptoms may include irritation of the respiratory tract.
Skin Contact: Adverse symptoms may include irritation and redness.
Ingestion: No known significant effects or critical hazards.

Part 5: FIRE FIGHTING MEASURES

Flammability: Flammable liquid Class 2
Flash Point: 40°C (Closed cup)
Upper Explosive Limit: N/A
Lower Explosive Limit: N/A
Suitable Extinguishing Media: Dry powder, carbon dioxide, alcohol resistant foam, dry sand
Unsuitable Extinguishing Media: Water may be ineffective. Water may be used for large fires and cooling down structures.
Fire Fighting Measures: Cool containers with water to prevent pressure build-up. Wear full protective equipment and NIOSH full contained breathing apparatus
Specific Hazards: Risk of ignition. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Containers may explode when heated. Under fire conditions, corrosive fumes are emitted. It reacts with water to release large amounts of carbon dioxide.
Decomposition/Combustion: Carbon Dioxide, Carbon Monoxide, oxides of nitrogen, dense black smoke, hydrogen cyanide, isocyanate, isocyanic acid.

Part 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Avoid breathing vapors. Remove all sources of ignition. Use personal protective equipment as required. Avoid contact with skin or eyes.
Spill & Leak Measures:	Stop leak if possible without risk to self or others. Move containers from spill area. Contain and collect spillage with non-combustible absorbent material (sand, earth, vermiculite, diatomaceous earth) and place in container for disposal in accordance with regulations, both Federal and local.
Specific Hazards:	Spill must be contained and prevented from discharge into waterways, sewers or drains.

Part 7: HANDLING AND STORAGE

Do not eat, drink or smoke when handling or applying product. Remove contaminated clothing and protective equipment before entering eating areas.

Store locked up and out of reach of children. Do not store in direct sunlight. Do not expose to freezing temperatures. Store in upright position. Store in accordance with Federal and local regulations. Store in original containers in a dry, cool and well-ventilated area between 60°F and 80°F. Keep container tightly closed. Store away from heat and sources of ignition. Containers that have been opened must be carefully resealed and kept upright.

Part 8: PERSONAL PROTECTION

Exposure Limits:

Aspartic Ester	not available
Methyl Ethyl Ketone	long term 500 ppm
Isophorone diamine	not available
Propylene Carbonate	no exposure limits
Hexamethylene 1.6 diisocyanate	TWA 0.5 mg/m3

Appropriate Engineering Controls: Ensure adequate ventilation. If necessary, provide local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment

Individual Protective Measures:

Hygiene Measures: Wash hands and forearms after use.

Protective Measures:

Eye/face Protection	Wear protective eyewear for splashes of product.
Hand Protection	Wear chemical resistant gloves.
Body Protection	Wear appropriate protective clothing based upon the tasks to be performed.
Feet Protection	Wear non-slip and chemical resistant footwear.
Respiratory Protection	Based upon the circumstances and need, select a respirator that meets the appropriate standards.

Part 9: PHYSICAL AND CHEMICAL PROPERTIES

<i>Physical State</i>	liquid
<i>Color</i>	Clear light yellow
<i>Odor</i>	Resin, solvent
<i>VOC</i>	1.8 lbs./gal
<i>Flash Point</i>	40°C (Closed cup)
<i>Auto Ignition Temperature</i>	N/A
<i>Density</i>	1.1
<i>Solubility in water</i>	Negligible

Part 10: STABILITY AND REACTIVITY

Reactivity and Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	Moisture, high temperatures, heat, flames, sparks
Hazardous Polymerization:	None under normal storage and use.
Hazardous Decomposition:	Carbon dioxide, carbon monoxide, nitrogen oxides, amines, ammonia gas (at high temperatures).
Incompatible Materials:	Oxidizing agents, acids, isocyanates.

Part 11: TOXICOLOGICAL INFORMATION

Potential Acute Health Effects:

Eye Contact:	Causes serious eye irritation.
Inhalation:	Causes mild respiratory tract irritation.
Skin Contact:	Causes mild skin irritation.
Ingestion:	No known significant effects.

Symptoms:

Eye Contact:	Pain, irritation, watering, redness.
Inhalation:	Irritation.
Skin Contact:	Irritation, redness.
Ingestion:	No known symptoms.

Chronic Effects:

Short Term Exposure:	No known significant hazards.
Long Term Exposure:	No known significant hazards.
Chronic Effects:	Carcinogenicity: No known significant hazards.
Mutagenicity:	No known significant hazards.
Teratogenicity:	No known significant hazards.
Developmental effects:	No known significant hazards.
Fertility effects:	No known significant hazards.

Specific Organ Toxicity:

For repeated exposure:	Subacute oral toxicity: NOAEL>1000 mg/kg (rat)
Aspiration Hazard:	No data available.

Part 12: ECOLOGICAL INFORMATION

Ecotoxicity:

INGREDIENT	TOXICITY FISH	TOXICITY AQUATIC INVERTEBRATES	TOXICITY PLANTS	TOXICITY MICROORGANISM
Aspartic Ester	LC50: 66 mg/L (zebra fish), 96 hrs	EC50: 88.6 mg/L (water flea), 48 hrs	IC50: 113 mg/L (scenedesmus subspicatus), 72 hrs	EC50: 3110 mg/L (activated sludge), 3 hrs
Methyl Ethyl Ketone	LC50 3220 mg/L (freshwater fish) 96 hrs	EC 50: 5091 mg/L (water flea), 48 hrs	Not available	EC 50: 25619 mg/L (microtox), 30 min
Isophoronediamine-di-amine	LC50>100 mg/L (zebra fish), 96 hrs	EC50: 14.7 mg/L (water flea), 48 hrs	ErC50>100 mg/L (desmodesmus subspicatus), 72 hrs	EC50: 302.4 mg/L (activated sludge), 3 hrs
Propylene Carbonate	LC50> 1000 mg/L (carp), 96 hrs	EC50> 1000 mg/L (water flea), 48 hrs	ErC50>100 mg/L (desmodesmus subspicatus), 72 hrs	EC50: 25619 mg/L (pseudomonas putida), 16 hrs
Hexamethylene-1.6 Diisocyanate	LC50> 82.8 mg/L (zebra fish), 96 hrs	Not available	Not available	Not available

Persistence, Degradability and Bioaccumulation:

INGREDIENT	BIODEGRADABILITY	BIOACCUMULATION	MOBILITY IN SOIL
Aspartic Ester	13%, exposure time 28 days. Not readily biodegradable	BCF: 1872. Substance hydrolyzes in water. Accumulation in aquatic organisms is not expected	Not available
Methyl Ethyl Ketone	76-84%, exposure time 28 days	Does not bioaccumulate	Poorly absorbed
Isophoronediamine-di-amine	34%, exposure time 28 days. Not readily biodegradable	Not available	Not available
Propylene Carbonate	83.5%, exposure time 28 days. Concentration 20 mg/L	Does not bioaccumulate	Not available
Hexamethylene-1.6 Diisocyanate	42%, exposure time 28 days. Not readily biodegradable	BCF: 57.6. Accumulation in aquatic organisms is not expected	Not available

Other Adverse Effects:	No data available.
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Part 13: DISPOSAL CONSIDERATIONS

Disposal Method: Dispose in accordance with current Federal, State, Local and/or international laws and regulations.

Part 14: TRANSPORTATION INFORMATION

Shipping Name: Solvent, Amines
DOT: UN1090 Hazard class 3, Packing Group II
Hazard Class: Class 3, PG II, limited quantity.
UN Number: UN 1090.

Part 15: REGULATORY INFORMATION

U.S. Federal:	SKIN IRRITATION	Category 2
	EYE IRRITATION	Category 2A
	SKIN IRRITATION	Category 2
	RESPIRATORY SENSITIZER	Category 1
	ACCUTE TOXICITY	Category 4
USA Hazardous Materials Info:	FLAMMABILITY	2

Part 16: OTHER INFORMATION

Abbreviations:

GHS	Globally Harmonized System of Classification and Labeling of Chemicals
CAS	Chemical Abstract Service Number
NIOSH	National Institute for Occupational Safety and Health
NOAEL	No-Observed-Adverse-Effect-Level
SARA	Superfund Amendments and Reauthorization Act

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