

SAFETY DATA SHEET

POLYSHIELD HT™ SL "A" Component Revised Date: 10/2/2018 Version: 11 SDS-047

SECTION 1: IDENTIFICATION

PRODUCT NAME **CAS NUMBER PRODUCT USE MANUFACTURER ADDRESS PHONE** FAX **EMERGENCY CONTACT TOLL FREE**

INTERNATIONAL

FAX

POLYSHIELD HT™ SL "A" Component

Not available Polyurea Coating Specialty Products, Inc. (SPI)

2410 104TH ST. CT. S. STE D LAKEWOOD, WA 98499

253 588 7101 800 627 0773

253 588 7196

FOR SPILLS, LEAKS, FIRE, OR EXPOSURE CALL CHEMTREC

800 424 9300 +1 703 527 3887 913 321 1490

SECTION 2: HAZARDS IDENTIFICATION

GHS LABEL ELEMENTS

GHS PICTOGRAM





DANGER

GHS CLASSIFICATION						
CATEGORY		HAZARD STATEMENTS				
Skin corrosion/irritation	Category 2	H315	Causes skin irritation.			
Skin sensitization	Category 1	H317	May cause an allergic skin reaction.			
Serious eye damage/eye irritation	Category 2B	H320	Causes eye irritation.			
Acute toxicity inhalation	Category 4	H332	Harmful if inhaled.			
Respiratory sensitization	Category 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.			
Specific target organ toxicity (STOT), single exposure; respiratory tract	Category 3	H335	May cause respiratory irritation.			
Specific target organ toxicity (STOT), repeated exposure	Category 1	H372	Causes damage to organs (respiratory tract) through prolonged or repeated exposure if inhaled.			

	PRECAUTIONARY STATEMENTS			
	PREVENTION			
P260	Do not breathe dust/fume/gas/mist/vapors/spray.			
P264	Wash hands thoroughly after handling.			
P270	Do not eat, drink, or smoke when using this product.			
P271	Use only outdoors or in a well-ventilated area.			
P272	Contaminated work clothing should not be allowed out of the workplace.			
P280	Wear protective gloves/protective clothing/eye protection/face protection.			
P285	In case of inadequate ventilation wear respiratory protection.			
	RESPONSE			
P302+P352	IF ON SKIN: Wash with plenty of soap and water.			
P321	Specific treatment (as detailed in this SDS).			
P332+P313	IF SKIN irritation occurs: Get medical advice/attention.			
P362	Take off contaminated clothing and wash before reuse.			
P363	Wash contaminated clothing before reuse.			
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.			
P337+P313	IF eye irritation persists: Get medical advice/attention.			
P304+P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.			
P312	Call a POISON CENTER or doctor/physician if you feel unwell.			
P304+P312	IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.			
P342+P311	IF experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.			
P314	Get medical advice/attention if you feel unwell.			
	STORAGE			
P403+P233	Store in a well-ventilated place. Keep container tightly closed.			
P405	Store locked up.			
	DISPOSAL			
P501	Dispose of contents/container in accordance with applicable regional, national and local laws and regulations.			



	ION/INFORMATION ON INGREDIENTS					
CHEMICAL NAME		CAS NUMBER	% WEIGHT			
socyantes, reaction product o	• •	*Proprietary	10-30			
2,4'-Diphenylmethane diisocya		5873-54-1	20-40			
1,4'-Diphenylmethane diisocya	nate	101-68-8	20-40			
Propylene carbonate		108-32-7	1-10			
Polymethylene polyphenylene		9016-87-9 2536-05-2	1-5 1-5			
2,2'-Diphenylmethane diisocya	and exact percentage (concentration) is withheld as a trade secret pe					
SECTION 4: FIRST AID		Tappheable regulations	and statutes.			
EYE:	In case of contact, immediately flush eyes with plenty of water for at least 15	minutes Get medical attent	ion immediately			
SKIN:	After contact with skin, wash immediately with plenty of warm, soapy water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. A poly-glycol based skin cleanser or corn oil may be more effective than soap and water. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.					
INHALATION:	Move exposed person to fresh air. Get medical attention immediately. Treatment is symptomatic for primary irritation or bronchospasm. If breathing is labored, oxygen should be administered by qualified personnel.					
INGESTION:	Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Provided the patient is conscious, wash out mouth with water. Get medical attention if symptoms appear.					
NOTES TO PHYSICIAN:	Symptomatic and supportive therapy as needed. Following severe exposure, medical follow-up should be monitored for 48 hours.					
SECTION 5: FIRE FIGHT	ING MEASURES					
FLASH POINT:	Not available.					
HAZARDS WHEN ON FIRE OR NEAR FLAME:	Closed container may forcibly rupture under extreme heat or when contents are contaminated with water $(CO_2$ formed).					
SUITABLE EXTINGUISHING MEDIA:	Dry chemical, carbon dioxide, or dry powder.					
UNSUITABLE EXTINGUISHING MEDIA:	Direct water spray.					
SPECIAL EXPOSURE HAZARDS:	Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. If in a fire or heated, a pressure increase will occur and the container may rupture.					
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS:	Fire-fighters should wear appropriate protective equipment and sel- with a full face-piece operated in positive pressure mode. PVC boo clothing should be worn.	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. PVC boots, gloves, safety helmet, and protective clothing should be worn.				
SECTION 6: ACCIDENTA	AL RELEASE MEASURES					
ACCIDENTAL RELEASE MEASURES:	For major spills call CHEMTREC : Toll free 1-800-424-9300 for inter	national call 1-703-527-3	887.			

MEASURES:	To major spins can Chewitkee. Ton nee 1-600-424-9300 for international can 1-703-327-3667.
PERSONAL PRECAUTIONS:	Wear appropriate personal protective equipment recommended in SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION of this SDS. Immediately contact emergency personnel. Evacuate the area. Keep upwind avoiding inhalation of vapors. Clean-up should only be performed by trained personnel. People dealing with major spillages should wear full protective clothing including respiratory protection.
ENVIRONMENTAL PRECAUTIONS:	This material may contaminate the environment without proper control and response to spills. Ensure spilled material does not come in contact with soil, waterway, drains, sewers, or other runoff that would further disperse the material. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil, or air). Sources of ignition should be kept clear.
METHODS FOR CONTAINMENT:	Use diking or capping to control migration. Contain and absorb large spillages with a non-flammable absorbent carrier (such as vermiculite, earth, or sand). DO NOT USE combustible materials such as sawdust. Shovel into open-top drums or plastic bags for further decontamination, if necessary. Remove and properly dispose of residues. Dispose of via a licensed waste disposal contractor (See SECTION 13: DISPOSAL CONSIDERATIONS) Notify applicable government authorities if release is reportable.
METHODS FOR CLEANING UP:	Only proceed with clean up by taking the appropriate personal protection measures required and ensure surrounding area does not contain further hazards that could worsen the spill, cause migration, or cause further harm (i.e. eliminate any ignition sources). Move any non-contaminated, non-leaking containers from the spill zone if it can be done safely. Dike, dam, or further restrict and stop active leaks without posing further damage or harm to individuals, the environment, and/or structures. Contain and collect spillage. See SECTION 13: DISPOSAL CONSIDERATIONS for disposal information and SECTION 8: EXPOSURE CONTROL/ PERSONAL PROTECTION for recommended Personal Protective Equipment (PPE). Obey all local, state, and federal regulations during clean up.

SECTION 7: HANDLING	& STORAGE
GENERAL:	Ideal storage temperature is 60-90°F (15-32°C). Handling and storage shall be in accordance with local, state/provincial, or federal regulations.
HANDLING:	Before opening this package, read and follow warning labels on all components. Avoid contact with the product or reaction mixture. Put on appropriate personal protective equipment. Use only with adequate ventilation to ensure that the occupational exposure limit is not exceeded, use respirator when ventilation is inadequate. Avoid breathing aerosols, mists, and vapors. (See SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION for details). Do not ingest. Eating, drinking, and smoking shall be prohibited in areas where this material is handled, stored, and processed. Workers shall wash hands and face before eating, drinking, and smoking. Persons with a history of skin sensitization problems, asthma, allergies, or chronic or recurrent respiratory disease should not be employed in any process in which this product is used. Do not get in eyes, on skin, or clothing. Keep in the original container or an approved alternative made from a compatible material. Keep tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse containers.
STORAGE:	Keep container tightly closed and properly sealed when stored. Keep contents away from moisture. Due to reaction with water producing CO ₂ gas, a hazardous build-up of pressure could result if contaminated containers are resealed. DO NOT reseal contaminated containers. Uncontaminated containers, free of moisture, may be resealed and stored after purging the container with argon or nitrogen gas.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

SECTION 8: EXPOSURE	CONTROLS/PERSONAL	PROTECTION			
EXPOSURE LIMITS:					
COMPONENT NAME	CAS NUMBER	EXPOSURE LIMITS			
Isocyantes, reaction product of polyol with MDI	*Proprietary	Not available			
2,4'-Diphenylmethane diisocyanate	5873-54-1	Not available			
4,4'-Diphenylmethane diisocyanate	101-68-8	ACGIH TLV TWA: 0.005 ppm 8 hour(s) OSHA PEL CEIL: 0.02 ppm CEIL: 0.2 mg/m³ NIOSH REL CEIL: 0.2 mg/m³ 10 minute(s) CEIL: 0.02 ppm 10 minute(s) TWA: 0.05 mg/m³ 10 hour(s) TWA: 0.005 ppm 10 hour(s)			
Propylene carbonate	108-32-7	Not available			
Polymethylene polyphenylene isocyanate	9016-87-9	ALBERTA CANADA TWA TWA: 0.005 ppm TWA: 0.07 mg/m³			
2,2'-Diphenylmethane diisocyanate	2536-05-2	Not available			
ENGINEERING CONTROLS:		tion. If user operations generate dust, fumes, gas, vapor, or mist, use process lation, and other engineering controls to keep worker exposure to airborne imended or statutory limits.			
HYGIENE MEASURES:	Wash hands, forearms, and face thoroughly with plenty of soap and water after handling chemical products, before eating, smoking, and using the restroom and at the end of the working period. Appropriate engineering, administrative, and other best practice decontamination control measures must be used to isolate contaminates on clothing and to prevent unintended migration of contaminants. Handle clothing and other potentially contaminated material appropriately and in compliance with local, state, and federal regulations in the process of removing, washing/cleaning, and reuse of these potentially contaminated materials. Ensure compliant use and location of eyewash station and safety showers.				
PERSONAL PROTECTIVE EQU	IPMENT (PPE):				
EYE PROTECTION:	to avoid exposure to liquid splasl	an approved standard should be used when a risk assessment indicates this is necessary hes, mists, or dusts. If contact is possible, the following protection should be worn, unless er degree of protection: chemical splash goggles and/or face shield.			
SKIN PROTECTION:	Personal protective equipment for the body should be selected based on the task being performed, the risks involved, and should be approved by an industrial hygiene specialist before handling this product.				
HANDS PROTECTION:	Chemical resistant gloves complying with applicable health and safety standards shall be worn when handling this product. Protective gloves are those made from butyl rubber, nitrile rubber, or polyvinyl alcohol. Appropriate hazard assessments in conjunction with an evaluation of the protection factors of chemical resistant gloves shall be performed to ensure the protective properties remain intact. It is noted that the time it takes to breakdown of protection factors for different glove manufacturers varies. In the case of mixtures, the protection factors of chemical resistant gloves may be impacted and deteriorate at unpredictable rates without understanding the impact of the substance and the specific protection factors of the chemical resistant gloves.				
RESPIRATORY PROTECTION:	Ensure adequate ventilation. If respirators and components te 1910.134, NIOSH (US), or CEN (E	the respirator is the sole means of protection, use a full-face supplied respirator. Use sted and approved under appropriate government standards such as OSHA 29CFR EU).			
ENVIRONMENTAL EXPOSURE CONTROLS:	Dispose of raw and spent materials and wastes in compliance with all local, state, and federal regulations to prevent potential environmental contamination. Industrial air monitoring may be required to determine any potential environmental hazards to the atmosphere. This monitoring may result in the use of engineering and administrative controls such as filtering and scrubbing systems to mitigate or eliminate potential contaminants.				

SECTION 9: PHYSICAL &	CHEMICAL PROPE	RTIES				
PHYSICAL STATE:	Liquid	FLASH PO	INT:	Not available		
COLOR:	Clear yellow	AUTO-IGN	ITION TEMPERATURE:	Not available		
ODOR:	Slightly musty	DECOMPO	SITION TEMPERATURE:	Not available		
ODOR THRESHOLD:	Not available	EXPLOSIV	E LIMITS:	Not explosive		
pH:	Not applicable	FLAMMAB	ILITY:	Not available		
WATER SOLUBILITY:	Not available	BOILING P	OINT:	Not available		
PARTITION COEFFICIENT:	Not available	BOILING R	ANGE:	Not available		
SPECIFIC GRAVITY:	1.11±0.005 g/cc @ 77°F	(25°C) MELTING/I	REEZING POINT:	Not available		
VISCOSITY:	600±75 mPa.s @ 77°F	(25°C) VAPOR PR	ESSURE:	Not available		
EVAPORATION RATE:	Not available	VAPOR DE	NSITY:	Not available		
VOC:	0 g/L	RELATIVE	DENSITY:	9.3±0.05 lbs/gal		
SECTION 10: STABILITY &	REACTIVITY					
STABILITY:	Stable when handled	and stored at temperatur	res 60-90°F (15-32°C).			
INCOMPATIBILITY:	Incompatible with wat	er, alcohols, amines, bas	es, and acids.			
HAZARDOUS REACTION:	hazardous reactions will materials containing active be violent at higher temporesence of solvents. The	Exothermic reaction will occur when combined with sister component. Under normal conditions of storage and use, hazardous reactions will not occur. Reaction with water (moisture) produces CO ₂ gas. An exothermic reaction with materials containing active hydrogen groups can occur. The reaction becomes progressively more vigorous and can be violent at higher temperatures if the miscibility of the reaction partners is good or is supported by stirring or by the presence of solvents. This material is insoluble with and heavier than water. It sinks to the bottom, but reacts slowly at the interface. A solid water insoluble layer of polyurea is formed at the interface by liberating carbon dioxide.				
HAZARDOUS POLYMERIZATION:		Polymerization may occur at elevated temperatures in the presence of alkalis, tertiary amines and metal compounds. Under normal conditions of storage and use, hazardous polymerization should not occur.				
CONDITIONS TO AVOID:	Avoid moisture contamination and high temperatures.					
HAZARDOUS DECOMPOSITION:	May produce toxic fumes of carbon dioxide, carbon monoxide, and/or nitrogen oxides when near heat source/flame.					
SECTION 11: TOXICOLOG	Y INFORMATION					
ACUTE HEALTH EFFECTS:						
EYE CONTACT:	Causes eye irritation w corneal injury. Vapor or	Causes eye irritation with symptoms of reddening, tearing, stinging, and swelling. May cause temporary corneal injury. Vapor or aerosol may cause irritation with symptoms of burning and tearing.				
SKIN CONTACT:	Causes skin irritation with symptoms of reddening, itching, and swelling. Persons previously sensitized can experience allergic skin reaction with symptoms of reddening, itching, swelling, and rash. Cured material is difficult to remove. Contact with MDI can cause discoloration.					
		itact with MDI can cause	of reddening, itching, swe discoloration.			
INHALATION:	membranes in the respira shortness of breath and re hyperreactivity can respon asthma-like symptoms. Ex edema (fluid in lungs). Che reported. These symptom test atmosphere generate placed on the market, and	ist at concentrations above to tory tract (nose, throat, lungs educed lung function (breathed to concentrations below thosure well above the TLV emical or hypersensitivity priss can be delayed up to sevice in the animal study is not a how it can reasonably be a fassessing hazard. Based o	he TLV or PEL can irritate (burr c) causing runny nose, sore thre ing obstruction). Persons with the TLV or PEL with similar sym- for PEL may lead to bronchitis, I eumonitis, with flu-like sympto eral hours after exposure. These representative of workplace er expected to be used. Therefore	lling, and rash. Ćured material is		
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INGESTION: ACUTE TOXICITY: COMPONENT NAME 2,4'-Diphenylmethane diisocyanate	membranes in the respiral shortness of breath and responding to the properties of the purpose of classification for acute inhuman department of the properties of the purpose of classification for acute inhuman department of the properties of the purpose of classification for acute inhuman department of the properties	ist at concentrations above to tory tract (nose, throat, lungs educed lung function (breath and to concentrations below posure well above the TLV emical or hypersensitivity pnus can be delayed up to seved in the animal study is not a how it can reasonably be of assessing hazard. Based o alation toxicity is justified. LD ₅₀ Oral (mg/kg) >2,000 (rat)	discoloration. the TLV or PEL can irritate (burritate) causing runny nose, sore through the TLV or PEL with similar symbol per PEL may lead to bronchitis, leumonitis, with flu-like symptoeral hours after exposure. These representative of workplace enxpected to be used. Therefore an expert judgment and the well as may include abdominal parts. LD ₅₀ Dermal (mg/kg) >9,400 (rabbit)	lling, and rash. Čured material is bing sensation) the mucous bat, coughing, chest discomfort, a preexisting, nonspecific bronchial uptoms as well as asthma attack or bronchial spasm and pulmonary ms (e.g., fever, chills), has also been be effects are usually reversible. The navironments, how the substance is at the test result cannot be directly ght of the evidence, a modified in, nausea, vomiting, and diarrhea. LC ₅₀ Inhalation (mg/L/4hrs) 0.49 (rat)		
INGESTION: ACUTE TOXICITY: COMPONENT NAME 2,4'-Diphenylmethane diisocyanate 4,4'-Diphenylmethane diisocyanate	membranes in the respiral shortness of breath and responsive to the presentation of th	ist at concentrations above to tory tract (nose, throat, lungs educed lung function (breath and to concentrations below the TLV posure well above the TLV period or hypersensitivity properties can be delayed up to severe the second of the animal study is not all how it can reasonably be of assessing hazard. Based of alation toxicity is justified. LD ₅₀ Oral (mg/kg) >2,000 (rat)	discoloration. the TLV or PEL can irritate (burric) causing runny nose, sore through the TLV or PEL with similar syntor PEL may lead to bronchitis, leumonitis, with flu-like symptoeral hours after exposure. These representative of workplace er expected to be used. Therefore an expert judgment and the western may include abdominal parts. LD ₅₀ Dermal (mg/kg) >9,400 (rabbit)	lling, and rash. Cured material is bing sensation) the mucous pat, coughing, chest discomfort, a preexisting, nonspecific bronchial ptoms as well as asthma attack or pronchial spasm and pulmonary ms (e.g., fever, chills), has also been be effects are usually reversible. The principal proments, how the substance is the test result cannot be directly ght of the evidence, a modified in, nausea, vomiting, and diarrhea. LC ₅₀ Inhalation (mg/L/4hrs) 0.49 (rat)		

POTENTIAL CHRONIC EFFECTS	:
CHRONIC EFFECTS:	As a result of previous repeated overexposures or a single large dose, certain individuals may develop sensitization to isocyanates (asthma or asthma-like symptoms) that may cause them to react to a later exposure to isocyanates at levels well below the TLV or PEL. These symptoms, which can include chest tightness, wheezing, cough, shortness of breath or asthmatic attack, could be immediate or delayed up to several hours after exposure. Extreme asthmatic reactions can be life threatening. Similar to many non-specific asthmatic responses, there are reports that once sensitized an individual can experience these symptoms upon exposure to dust, cold air, or other irritants. This increased lung sensitivity can persist for weeks and in severe cases for several years. Sensitization can be permanent. Chronic overexposure to isocyanates has also been reported to cause lung damage (including fibrosis, decrease in lung function) that may be permanent. Prolonged contact with skin can cause reddening, swelling, rash, and, in some cases, skin sensitization. Animal tests and other research indicate that skin contact with MDI can play a role in causing isocyanate sensitization and respiratory reaction. This data reinforces the need to prevent direct skin contact with isocyanates. Prolonged vapor contact with the eyes may cause conjunctivitis.
TARGET ORGANS:	Contains material which causes damage to the upper respiratory tract.
CARCINOGENICITY:	As of this publication, this material is not listed on the National Toxic Program (NTP) Report of Carcinogens. Please refer to the most recent information with NTP. The material is classified on the International Agency for Research on Cancer (IARC) Monographs as Group 3. Exposure to levels of MDI, significantly above the threshold limit value (0.005 ppm), was shown to be related to the occurrence of lung tumors in a study using rats.
MUTAGENICITY:	No known significant effects or critical hazards.
TERATOGENICITY:	No known significant effects or critical hazards.
FERTILITY EFFECTS:	No known significant effects or critical hazards.
DEVELOPMENTAL EFFECTS:	No known significant effects or critical hazards.
MEDICAL CONDITIONS AGGRAVATED BY OVER-EXPOSURE:	Existing respiratory/pulmonary and skin conditions may be aggravated by overexposure.

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL EFFECTS:

Based on a review of the individual components, this product has low ecotoxicity on aquatic organisms. When in contact with water an inert non-biodegradable solid will be produced. There is no evidence of bio-accumulation occurring.

SECTION 13: DISPOSAL CONSIDERATION

WASTE DISPOSAL:

By-product wastes or process waste generation should be eliminated and/or minimized when possible. Do not dispose of any contaminants into sanitary sewer systems, storm drains, Publicly Owned Treatment Works (POTW), or any other municipal waste water treatment facility without written approval and agreements for processing wastes with such enterprises. Dispose of raw or unused materials, wastes, and/or by-products in accordance with all applicable local, state, and federal laws. Employ the expertise and knowledge of qualified personnel or contractors in disposal of any and all variants of this product. Ensure material containers are cleaned to the applicable standards before recycling, disposing, or reusing containers. Take special precautions to avoid any cross contamination and potential unknown effects from mixing with other substances. Refer to SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION of this document for personal protection requirements. Disposal to the environment or in violation of environmental protection laws and statutes must be prevented.

SECTION 14: TRANSPORT INFORMATION

PROPER SHIPPING NAME:	
DOT:	Other regulated substance, liquid, n.o.s. (contains: 4,4'-Diphenylmethane diisocyanate) *Single containers less than 5,000 lbs. are not regulated.
TDG:	Not regulated.
IMDG:	Not regulated.
IATA:	Not regulated.

This product could potentially contaminate aquatic and terrestrial environments if not handled in accordance with all precautions, regulations, and laws. Users, transporters, and all other applicable entities must review, follow, and apply any and all necessary precautions and procedures to eliminate and/or minimize potential hazards or risks to aquatic or terrestrial environments.

REGULATORY INFORMATION	UN NUMBER	CLASSES	PG*	LABEL	ADDITIONAL INFORMATION
DOT Classification	NA3082	9	III		Reportable quantity 5,000 lbs. (2,268 kg) Single containers less than 5,000 lbs. are not regulated.
*PG: Packaging group			•		

U.C. E. J. D. J. J.							
U.S. Federal Regulations	All	lists of south a TCCA					
TSCA 8b Inventory:		All components are listed on the TSCA inventory or are exempt.					
TSCA 5a (2):	· ·	No components listed.					
TSCA 42k	No components list						
TSCA 12b:	No components list		1 0101		CONCENTRATION		
Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs):	4,4'-Diphenylmetha	onent ane diisocyanate	101-68-8		20-40%		
Clean Air Act - Ozone Depleting Substances (ODS):	This product does	This product does not contain nor is it manufactured with ozone depleting substances.					
SARA 313 Form R - Reporting	СОМР	ONENT	CASI	IUMBER	CONCENTRATION		
Requirements:	4,4'-Diphenylmetha	ne diisocyanate	101	-68-8	20-40%		
	Polymethylene poly isocyanate	/phenylene	901	6-87-9	1-5%		
SARA 311/312 hazard identification:	Immediate (acute) h Delayed (chronic) h	nealth hazard. lealth hazard.			•		
CERCLA Hazardous substances:							
Component	Concentration	Section 302	Section 313	Section 304	Reportable Quantity		
4,4'-Diphenylmethane diisocyanate	20-40%	Not listed	Listed	Not listed	5,000 lbs		
Polymethylene polyphenylene isocyanate	1-5%	Not listed	Listed Not listed		Not available		
STATE REGULATIONS:							
PENNSYLVANIA/NEW JERSEY/	COMPONENT		CAS	IUMBER	CONCENTRATION		
MASSACHUSETTS - RTK:	2,4'-Diphenylmethane diisocyanate		5873-54-1		20-40%		
	4,4'-Diphenylmethane diisocyanate		101-68-8		20-40%		
	Polymethylene polyisocyanate	Polymethylene polyphenylene isocyanate		9016-87-9			
California Prop 65:	This product contains no listed substances known to the State of California to cause cancer, birth defects, or other reproductive harm, at levels which would require a warning under the statute.						
CANADA							
WHMIS (Canada):	WHMIS Class D-1A: WHMIS Class D-2A	Material causing im : Material causing ot	mediate and seriou her toxic effects (ve	s toxic effects (very rery toxic).	toxic).		
CEPA DSL:	All components are	e listed or exempted.					
This product has been classified in the information required by the Cor			ne Controlled Prod	ucts Regulations an	d the SDS contains all		
INTERNATIONAL LISTS:							
Australia inventory (AICS):	All components are	e listed or exempted.					
China inventory (IECSC):	All components are	e listed or exempted.					
Japan inventory:	All components are	e listed or exempted.					
Korea inventory:	All components are	listed or exempted.					
New Zealand inventory of Chemicals (NZIoC):	All components are	e listed or exempted.	,				
Phillipines inventory (PICCS):	l	components are listed or exempted.					

SECTION 16: OTHER INFORMATION

NFPA & HMIS 4 Extreme 3 Serious 2 Moderate 1 Slight 0 No Hazard



National Fire Protection Association (NFPA)



	HEALTH
ı	FLAMMABILITY
	REACTIVITY
ı	SPECIAL
	INFORMATION

Hazardous Material Information System (HMIS)

HEALTH	2
FLAMMABILITY	1
REACTIVITY	1
SPECIAL	
INFORMATION	

Note: The customer is responsible for determining the PPE code for this material. At the time of publishing, the NFPA/HMIS and the New GHS scale had opposite scales of severity. Check the most recent publications for current information.

For Your Protection:	The information and recommendations in this publication is to the best of our knowledge, reliable. The toxicity and risk characteristics of products made by SPI will necessarily differ from the toxicity and risk characteristics that occur when such products are used with other materials during a manufacturing process. The resulting risk characteristics should be determined and made known to ultimate end-users and processors. The user is responsible to comply with all applicable federal, provincial or municipal laws and regulations. SPI MAKES NO WARRANTIES OF ANY KIND, EXPRESSED OR IMPLIED, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
Preparation Information:	This SDS supersedes ALL previous SDS versions.