

SEAMLESS SOLUTIONS FOR OVER 40 YEARS

SAFETY DATA SHEET

POLYSHIELD HT™ 100F HI TEX "A" Component Revised Date: 9/14/2017

Version: 4 SDS-247

SECTION 1: IDENTIFICATION

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

FAX

POLYSHIELD HT™ 100F HI TEX "A" Component

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

2410 104th Street Ct S Suite 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					
CLASSIFICATION			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 inhale			
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					

PRECAU	TIONARY	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 out doors 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).		

1 203	in case of induceduate ventulation 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					

Dispose of contents/container in accordance with applicable regional, national and local laws and regulations.

READ THE ENTIRE SDS FOR MORE THOROUGH EVALUATION OF THE HAZARDS





SECTION 3: COMPOSIT	ON/INFORMATION ON INGREDIENTS				
CHEMICAL NAME		CAS NUMBER	% WEIGHT		
Isocyantes, reaction product of	polyol with MDI	*Proprietary	10-30		
2,4'-Diphenylmethane diisocya	• •	5873-54-1	20-40		
4,4'-Diphenylmethane diisocya	101-68-8	20-40			
Propylene carbonate 108-32-7			1-10		
Polymethylene polyphenylene	isocyanate	9016-87-9	1-5		
2,2'-Diphenylmethane diisocya		2536-05-2	1-5		
*The specific chemical identity	and exact percentage (concentration) is withheld as a trade secret per a	pplicable regulations	and statutes.		
SECTION 4: FIRST AID N	MEASURES				
EYE:	In case of contact, immediately flush eyes with plenty of water for at least 15 m	inutes. Get medical atte	ntion immediately.		
SKIN:	After contact with skin, wash immediately with plenty of warm, soapy water. Re Continue to rinse for at least 10 minutes. A poly-glycol based skin cleanser or and water. Get medical attention if symptoms occur. Wash clothing before reus	corn oil may be more effe	ective than soap		
INHALATION:	Move exposed person to fresh air. Get medical attention immediately. Treatme bronchospasm. If breathing is labored, oxygen should be administered by qua	nt is symptomatic for pri lified personnel.	mary irritation or		
INGESTION:	Do not induce vomiting unless directed to do so by medical personnel. Never person. Provided the patient is conscious, wash out mouth with water. Get me				
NOTES TO PHYSICIAN:	Symptomatic and supportive therapy as needed. Following severe exposure, 48 hours.	medical follow-up should	l be monitored for		
SECTION 5: FIRE FIGHTI	NG MEASURES				
FLASH POINT:	Not available.				
HAZARDS WHEN ON FIRE OR NEAR FLAME:	Closed container may forcibly rupture under extreme heat or when contents a	re contaminated with wa	ter (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 inci taken involving any personal risk or without suitable training. If in a fire or hea container may rupture.				
SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS:	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.				
HAZARDOUS DECOMPOSITION:	May produce toxic fumes of carbon dioxide, carbon monoxide, and/or nitrogen oxides when near heat source/flame.				
SECTION 6: ACCIDENTA	L RELEASE MEASURES				
ACCIDENTAL RELEASE MEASURES:	For major spills call CHEMTREC : Toll free 1-800-424-9300 for international call 1-703-527-3887 .	11			
PERSONAL PRECAUTIONS:	Wear appropriate personal protective equipment recommended in SECTION 8 PROTECTION of this SDS. Immediately contact emergency personnel. Evacuinhalation of vapors. Clean-up should only be performed by trained personnels should wear full protective clothing including respiratory protection.	ate the area. Keep upwi	nd avoiding		
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 spillage (such as vermiculite, earth, or sand). DO NOT USE combustible materials such or plastic bags for further decontamination, if necessary. Remove and properly a licensed waste disposal contractor (See SECTION 13: DISPOSAL CONSIDER authorities if release is reportable.	n as sawdust. Shovel into y dispose of residues. D	o open-top drums ispose of via		
METHODS FOR CLEANING UP:	Only proceed with clean up by taking the appropriate personal protection me area does not contain further hazards that could worsen the spill, cause migra any ignition sources). Move any non-contaminated, non-leaking containers from Dike, dam, or further restrict and stop active leaks without posing further dama and/or structures. Contain and collect spillage. See SECTION 13: DISPOSAL (and SECTION 8: EXPOSURE CONTROL/ PERSONAL PROTECTION for recomm (PPE). Obey all local, state, and federal regulations during clean up.	tion, or cause further har om the spill zone if it can age or harm to individual CONSIDERATIONS for di	m (i.e. eliminate be done safely. s, the environment, sposal information		

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. Kept 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

FXI	POSI	IRF	I IMI	TS:

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/m ³		
2,2'-Diphenylmethane diisocyanate	2536-05-2	Not available		
ENGINEERING CONTROLS:	Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor, or mist, use process enclosures, local exhaust ventilation, and other engineering controls to keep worker exposure to airborne contaminants below any recommended 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:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher 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 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. Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (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	FLA	SH POINT:	Not available	
COLOR:	Clear yellow	AU	TO-IGNITION TEMPERATURE:	Not available	
ODOR:	Slightly musty	DEC	COMPOSITION TEMPERATURE:	Not available	
ODOR THRESHOLD:	Not available	EXF	PLOSIVE LIMITS:	Not explosive	
pH:	Not applicable	FLA	MMABILITY:	Not available	
WATER SOLUBILITY:	Not available	ВОІ	LING POINT:	Not available	
PARTITION COEFFICIENT:	Not available	ВОІ	LING RANGE:	Not available	
SPECIFIC GRAVITY:	1.12±0.005 g/cc @ 77°F ((25°C) ME I	LTING/FREEZING POINT:	Not available	
VISCOSITY:	400±25 cps @ 77°F (25°	°C) VAF	POR PRESSURE:	Not available	
EVAPORATION RATE:	Not available	VAF	POR DENSITY:	Not available	
VOC:	Not available	REL	ATIVE DENSITY:	9.4±0.05 lbs/gal	
SECTION 10: STABILITY &	REACTIVITY				
STABILITY:	Stable when handled an	id stored at tempera	atures 60-90°F (15-32°C).		
INCOMPATIBILITY:	Incompatible with water	, alcohols, amines, b	pases, and acids.		
HAZARDOUS REACTION:	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 and 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 occurred Under normal conditions	ur at elevated temp s of storage and use	eratures in the presence of alkalis, e, hazardous polymerization should	ertiary amines and metal compounds. not occur.	
CONDITIONS TO AVOID:	Avoid moisture contamination and high temperatures.				
SECTION 11: TOXICOLOGY INFORMATION					
SECTION 11: TOXICOLOG	Y INFORMATION				
SECTION 11: TOXICOLOG ACUTE HEALTH EFFECTS:	Y INFORMATION				
	Causes eye irritation with	symptoms of redde use irritation with sy	ening, tearing, stinging, and swelling mptoms of burning and tearing.	g. May cause temporary corneal injury.	
ACUTE HEALTH EFFECTS:	Causes eye irritation with Vapor or aerosol may cau	symptoms of reddesymptoms of reddesignment	mptoms of burning and tearing.	s previously sensitized can experience	
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ACUTE HEALTH EFFECTS: EYE CONTACT: SKIN CONTACT: INHALATION: INGESTION: ACUTE TOXICITY: COMPONENT NAME 2,4'-Diphenylmethane diisocyanate	Causes eye irritation with Vapor or aerosol may cau. Causes skin irritation with allergic skin reaction with Contact with MDI can cau. Diisocyanate vapors or membranes in the respiration shortness of breath and rothers or asthma-like sympulmonary edema (fluid in has also been reported. Treversible. The test atmost the substance is placed cannot be directly applied evidence, a modified class. May cause irritation of the CAS NUMBER 5873-54-1	ise irritation with sy a symptoms of redding symptoms. It is at a concentration at concentration of the symptoms. Exposure with lungs). Chemical of these symptoms can sphere generated in the market, and in the market, and in the market, and in the purpose of siffication for acute a digestive tract. Symptoms of the symptoms of the purpose of siffication for acute and in the symptoms. Symptoms of the symptoms of	mptoms of burning and tearing. ening, itching, and swelling. Person ening, itching, swelling, and rash. Content of the properties of the	burning sensation) the mucous throat, coughing, chest discomfort, with a preexisting, nonspecific ith similar symptoms as well as asthma obronchitis, bronchial spasm and flu-like symptoms (e.g., fever, chills), ter exposure. These effects are usually tive of workplace environments, how obe used. Therefore the test result judgment and the weight of the m, nausea, vomiting, and diarrhea. LC ₅₀ Inhalation (mg/L/4hrs) 0.49 (rat)	
ACUTE HEALTH EFFECTS: EYE CONTACT: SKIN CONTACT: INHALATION: INGESTION: ACUTE TOXICITY: COMPONENT NAME 2,4'-Diphenylmethane diisocyanate 4,4'-Diphenylmethane diisocyanate	Causes eye irritation with Vapor or aerosol may cau. Causes skin irritation with allergic skin reaction with Contact with MDI can cau. Diisocyanate vapors or m membranes in the respirashortness of breath and r bronchial hyperreactivity attack or asthma-like sympulmonary edema (fluid in has also been reported. Treversible. The test atmost the substance is placed or cannot be directly applied evidence, a modified class. May cause irritation of the CAS NUMBER 5873-54-1 101-68-8	use irritation with sy a symptoms of redding symptoms. It is at concentration at congression of the symptoms o	mptoms of burning and tearing. ening, itching, and swelling. Person ening, itching, swelling, and rash. Consider the same of	burning sensation) the mucous throat, coughing, chest discomfort, with a preexisting, nonspecific ith similar symptoms as well as asthma obronchitis, bronchial spasm and flu-like symptoms (e.g., fever, chills), ter exposure. These effects are usually tive of workplace environments, how obe used. Therefore the test result judgment and the weight of the m, nausea, vomiting, and diarrhea. LC ₅₀ Inhalation (mg/L/4hrs) 0.49 (rat) 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					

SECTION 15: REGULATORY IN	IFORMATION					
U.S. Federal Regulations						
TSCA 8b Inventory:	All components are listed on the TSCA inventory or are exempt.					
TSCA 5a (2):	No components listed.					
TSCA 5e:	No components listed.					
TSCA 12b:	No components listed.					
Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs):	COMPONENT		CAS NUMBER		CONCENTRATION	
	4,4'-Diphenylmethane diisocyanate		101-68-8		20-40%	
Clean Air Act - Ozone Depleting Substances (ODS):	This product does not contain nor is it manufactured with ozone depleting substances.					
SARA 313 Form R - Reporting Requirements:	COMPONENT		CAS NUMBER		CONCENTRATION	
	4,4'-Diphenylmethane diisocyanate		101-68-8		20-40%	
	Polymethylene polyphenylene isocyanate		9016-87-9		1-5%	
SARA 311/312 hazard identification:	Immediate (acute) hea Delayed (chronic) hea					
CERCLA Hazardous substances:						
Component	Concentration	Section 302 (TPQ)	Section 313	Section 304 CERCLA RQ	CERCLA reportable quantity	Product reportable quantity
4,4'-Diphenylmethane diisocyanate	20-40%	Not listed	Listed	Not listed	5,000 lbs	18,200 lbs
Polymethylene polyphenylene isocyanate	1-5%	Not listed	Listed	Not listed	Not available	Not available
STATE REGULATIONS:	•	•				•
PENNSYLVANIA/NEW JERSEY/ MASSACHUSETTS - RTK:	COMPONENT		CAS NUMBER		CONCENTRATION	
	2,4'-Diphenylmethane diisocyanate		5873-54-1		20-40%	
	4,4'-Diphenylmethane diisocyanate		101-68-8		20-40%	
	Polymethylene polyphenylene isocyanate		9016-87-9		1-5%	
California Prop 65:	This product does not contain a substance known to the State of California to cause birth defects or other reproductive harm at levels which would require a warning under the statute.					
CANADA						
WHMIS (Canada):	WHMIS Class D-1A: Material causing immediate and serious toxic effects (very toxic). WHMIS Class D-2A: Material causing other toxic effects (very toxic).					
CEPA DSL:	All components are list	ed or exempte	d.			
This product has been classified in a the information required by the Cont			of the Cont	rolled Products R	egulations and the	SDS contains all
INTERNATIONAL LISTS:						
Australia inventory (AICS):	All components are list	ed or exempte	d.			
China inventory (IECSC):	All components are listed or exempted.					
Japan inventory:	All components are listed or exempted.					
Korea inventory:	All components are listed or exempted.					
New Zealand inventory of Chemicals (NZIoC):	All components are listed or exempted.					
Phillipines inventory (PICCS):	All components are list	ed or exempte	d.			

SECTION 16: OTHER INFORMATION

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



National Fire Protection Association (NFPA)





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.

or a state that appeared states of severity. One set the most recent publications for current information.		
Date of Issue:	9/14/2017	
Date of previous issue:	6/29/2016	
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