



DURATHANE™ II Revised Date: 10/12/2018 Version: 6 SDS-307

# SPECIALTY PRODUCTS, INC. SEAMLESS SOLUTIONS FOR OVER 40 YEARS

#### **SECTION 1: IDENTIFICATION**

PRODUCT NAME
CAS NUMBER
PRODUCT USE
MANUFACTURER
ADDRESS
PHONE
FAX

EMERGENCY CONTACT
TOLL FREE

INTERNATIONAL FAX **DURATHANE™ II** Not available

Polyurethane Elastomer 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		
Flammable liquids	Category 2	H225	Highly flammable liquid and vapor.		
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 2A	H319	Causes serious 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), SE	Category 3	H335	May cause respiratory irritation.		
Carcinogenictiy	Category 2	H351	Suspected of causing cancer.		
Specific target organ toxicity (STOT), RE	Category 2	H373	May cause damage to organs through prolonged or repeated exposure.		

#### **PRECAUTIONARY STATEMENTS**

PREVENTION				
P201	Obtain special instructions before use.			
P202	Do not handle until all safety precautions have been read and understood.			
P210	Keep away from heat / sparks / open flames / hot surfaces - No smoking.			
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.			
P264	Wash hands thoroughly after handling.			
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.			
	RESPONSE			
P302+P352	IF ON SKIN: Wash with plenty of soap and water.			
P321	Specific treatment (as detailed in this SDS).			
P333+P313	f SKIN irritation or a rash 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.			
P314	Get medical advice/attention if you feel unwell.			
P308+P313	IF exposed or concerned: Get medical advice / attention.			
P342+P311	IF experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician.			
P340	Remove victim to fresh air and keep at rest in a position comfortable for breathing.			
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			

SECTION 3: COMPOSIT	ION/INFORMATION ON INGREDIENTS				
CHEMICAL NAME		CAS NUMBER	% WEIGHT		
Xylene		1330-20-7	10-25		
Methyloxirane polymer		157937-75-2	10-25		
Isocyanic acid		53862-89-8	1-10		
Diphenylmethane 4, 4'-diisocya	101-68-8	1-10			
Polymeric diphenylmethane dii		9016-87-9	1-10		
Diphenylmethane 2,4'-diisocya	-	5873-54-1	1-10		
Ethyl benzene		100-41-4	1-10		
Petroleum distillates, hydrotrea	ted light	64742-47-8	1-10		
Tosyl isocyanate		4083-64-1	<1		
SECTION 4: FIRST AID	MEASURES				
EYE:	In case of contact, immediately flush eyes with plenty of water for at least 15 min	nutes. Get medical attenti	on immediately.		
SKIN:	Remove contaminated clothing and shoes/boots. Wash affected area with larg attention immediately.	e amounts of soap and w	ater. Get medical		
INHALATION:	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or st unconscious place in the recovery position and obtain immediate medical atter	opped, give artificial respi ntion. Give nothing by mo	ration. If uth.		
INGESTION:	If swallowed give two glasses of water to drink. Do not induce vomiting. Get me anything by mouth to an unconscious person.	edical attention immediate	ely. Never give		
NOTES TO PHYSICIAN:	Symptomatic and supportive therapy as needed. Following severe ex monitored for 48 hours.	posure, medical follow	-up should be		
SECTION 5: FIRE FIGHT	ING MEASURES				
FLASH POINT:	80°F (27°C).				
HAZARDS WHEN ON FIRE OR NEAR FLAME:	When in a closed container, pressure will increase which may lead to a rupture of the container.				
SUITABLE EXTINGUISHING MEDIA:	Use water, carbon dioxide, foam, or dry powder.				
UNSUITABLE EXTINGUISHING MEDIA:	Not available.				
SPECIAL EXPOSURE HAZARDS:	Promptly isolate the scene by removing all persons from the vicinity of action shall be taken involving any personal risk or without suitable traincrease will occur and the container may rupture.	the incident if there is ining. If in a fire or hea	a fire. No ated, a pressure		
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.				
SECTION 6: ACCIDENTA	AL RELEASE MEASURES				
ACCIDENTAL RELEASE MEASURES:	For major spills call <b>CHEMTREC</b> : Toll free <b>1-800-424-9300</b> for interna	tional call <b>1-703-527-3</b>	887.		
PERSONAL PRECAUTIONS:	Wear appropriate personal protective equipment recommended in SE PERSONAL PROTECTION of this SDS. Immediately contact emergency upwind avoiding inhalation of vapors. Clean-up should only be perfor dealing with major spillages should wear full protective clothing include	cy personnel. Evacuate med by trained persor	e the area. Keep nnel. People		
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 <sub>2</sub> 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

EXPOSURE LIMITS:					
COMPONENT NAME	CAS NUMBER	EXPOSURE LIMITS			
Xylene	1330-20-7	OSHA PEL STEL: 150 ppm ACGIH TLV TWA: 100 ppm STEL: 150 ppm			
Methyloxirane polymer	157937-75-2	Not available			
Isocyanic acid	53862-89-8	Not available			
Diphenylmethane 4,4'-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)			
Polymeric diphenylmethane diisocyanate	9016-87-9	ALBERTA CANADA TWA TWA: 0.005 ppm TWA: 0.07 mg/m³			
Ethyl benzene	100-41-4	OSHA PEL TWA: 100 ppm TWA: 435 mg/m3 STEL: 125 ppm ACGIH TLV TWA: 20 ppm NIOSH REL TWA: 100 ppm TWA: 435 mg/m3 STEL: 125 ppm STEL: 545 mg/m3			
Diphenylmethane 2,4'-diisocyanate	5873-54-1	ACGIH TLV TWA: 1 mg/m3 NIOSH REL TWA: 10 mg/m3 TWA: 5 mg/m3			
Petroleum distillates, hydrotreated light	64742-47-8	PEL: 300 ppm			
Tosyl isocyanate	4083-64-1	Not available			

ENGINEERING CONTROLS:	enclosures, local exhaust ventilation,	se only with adequate ventilation. If user operations generate dust, fumes, gas, vapor, or mist, use process aclosures, local exhaust ventilation, and other engineering controls to keep worker exposure to airborne ontaminants below any recommended or statutory limits.			
HYGIENE MEASURES:	smoking, and using the restroom and at other best practice decontamination co unintended migration of contaminants. in compliance with local, state, and feder	ash hands, forearms, and face thoroughly with plenty of soap and water after handling chemical products, before eating, noking, and using the restroom and at the end of the working period. Appropriate engineering, administrative, and ner best practice decontamination control measures must be used to isolate contaminates on clothing and to prevent intended migration of contaminants. Handle clothing and other potentially contaminated material appropriately and compliance with local, state, and federal regulations in the process of removing, washing/cleaning, and reuse of these stentially 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 splashes, mi	oved standard should be used when a risk asses sts, or dusts. If contact is possible, the following p ee of protection: chemical splash goggles and/o	protection should be worn, unless		
SKIN PROTECTION:	Personal protective equipment for the involved, and should be approved by	body should be selected based on the task t an industrial hygiene specialist before handlir	peing performed, the risksing this product.		
HANDS PROTECTION:	Protective gloves are those made from but conjunction with an evaluation of the protect properties remain intact. It is noted that the In the case of mixtures, the protection facto	pplicable health and safety standards shall be worn v yl rubber, nitrile rubber, or polyvinyl alcohol. Appropria tion factors of chemical resistant gloves shall be perfe time it takes to breakdown of protection factors for di rs of chemical resistant gloves may be impacted and bstance and the specific protection factors of the che	ate hazard assessments in ormed to ensure the protective ifferent glove manufacturers varies. deteriorate at unpredictable rates		
RESPIRATORY PROTECTION:		sure adequate ventilation. If the respirator is the sole means of protection, use a full-face supplied respirator. Use spirators and components tested and approved under appropriate government standards such as OSHA 29CFR 10.134, NIOSH (US), or CEN (EU).			
ENVIRONMENTAL EXPOSURE CONTROLS:	prevent potential environmental conta potential environmental hazards to th	ispose of raw and spent materials and wastes in compliance with all local, state, and federal regulations to revent potential environmental contamination. Industrial air monitoring may be required to determine any otential environmental hazards to the atmosphere. This monitoring may result in the use of engineering and dministrative controls such as filtering and scrubbing systems to mitigate or eliminate potential contaminants.			
SECTION 9: PHYSICAL 8	SECTION 9: PHYSICAL & CHEMICAL PROPERTIES				
PHYSICAL STATE:	Viscous liquid	FLASH POINT:	80°F (27°C)		
COLOR:	Aluminum	AUTO-IGNITION TEMPERATURE:	Not established		
COLOR: ODOR:	Aluminum Not available	AUTO-IGNITION TEMPERATURE: DECOMPOSITION TEMPERATURE:	Not established LEL: 1% UEL: 7%		
ODOR:	Not available	DECOMPOSITION TEMPERATURE:	LEL: 1% UEL: 7%		
ODOR: ODOR THRESHOLD:	Not available Not measured	DECOMPOSITION TEMPERATURE:  EXPLOSIVE LIMITS:	LEL: 1% UEL: 7%  Not explosive		
ODOR: ODOR THRESHOLD: pH:	Not available  Not measured  Not available	DECOMPOSITION TEMPERATURE:  EXPLOSIVE LIMITS:  FLAMMABILITY:	LEL: 1% UEL: 7%  Not explosive  Not applicable		
ODOR: ODOR THRESHOLD: pH: WATER SOLUBILITY:	Not available  Not measured  Not available  Nil, reacts with water	DECOMPOSITION TEMPERATURE:  EXPLOSIVE LIMITS:  FLAMMABILITY:  BOILING POINT:	LEL: 1% UEL: 7%  Not explosive  Not applicable  281-284°F (138-140°C)		
ODOR: ODOR THRESHOLD: pH: WATER SOLUBILITY: PARTITION COEFFICIENT:	Not available Not measured Not available Nil, reacts with water Not measured	DECOMPOSITION TEMPERATURE:  EXPLOSIVE LIMITS:  FLAMMABILITY:  BOILING POINT:  BOILING RANGE:	LEL: 1% UEL: 7%  Not explosive  Not applicable  281-284°F (138-140°C)  281-284°F (138-140°C)		
ODOR: ODOR THRESHOLD: pH: WATER SOLUBILITY: PARTITION COEFFICIENT: SPECIFIC GRAVITY:	Not available Not measured Not available Nil, reacts with water Not measured 1.055-1.102 g/cc	DECOMPOSITION TEMPERATURE:  EXPLOSIVE LIMITS:  FLAMMABILITY:  BOILING POINT:  BOILING RANGE:  MELTING/FREEZING POINT:	LEL: 1% UEL: 7%  Not explosive  Not applicable  281-284°F (138-140°C)  281-284°F (138-140°C)  Not available		
ODOR: ODOR THRESHOLD: pH: WATER SOLUBILITY: PARTITION COEFFICIENT: SPECIFIC GRAVITY: VISCOSITY:	Not available Not measured Not available Nil, reacts with water Not measured 1.055-1.102 g/cc 2,000-4,000 mPa.s	DECOMPOSITION TEMPERATURE:  EXPLOSIVE LIMITS:  FLAMMABILITY:  BOILING POINT:  BOILING RANGE:  MELTING/FREEZING POINT:  VAPOR PRESSURE:	LEL: 1% UEL: 7%  Not explosive  Not applicable  281-284°F (138-140°C)  281-284°F (138-140°C)  Not available  Not established		
ODOR: ODOR THRESHOLD: pH: WATER SOLUBILITY: PARTITION COEFFICIENT: SPECIFIC GRAVITY: VISCOSITY: EVAPORATION RATE:	Not available  Not measured  Not available  Nil, reacts with water  Not measured  1.055-1.102 g/cc  2,000-4,000 mPa.s  Slower than ether (Ether=1)  <250 g/L	DECOMPOSITION TEMPERATURE:  EXPLOSIVE LIMITS:  FLAMMABILITY:  BOILING POINT:  BOILING RANGE:  MELTING/FREEZING POINT:  VAPOR PRESSURE:  VAPOR DENSITY:	LEL: 1% UEL: 7%  Not explosive  Not applicable  281-284°F (138-140°C)  281-284°F (138-140°C)  Not available  Not established  Not available		
ODOR: ODOR THRESHOLD: pH: WATER SOLUBILITY: PARTITION COEFFICIENT: SPECIFIC GRAVITY: VISCOSITY: EVAPORATION RATE: VOC:	Not available  Not measured  Not available  Nil, reacts with water  Not measured  1.055-1.102 g/cc  2,000-4,000 mPa.s  Slower than ether (Ether=1)  <250 g/L	DECOMPOSITION TEMPERATURE:  EXPLOSIVE LIMITS:  FLAMMABILITY:  BOILING POINT:  BOILING RANGE:  MELTING/FREEZING POINT:  VAPOR PRESSURE:  VAPOR DENSITY:	LEL: 1% UEL: 7%  Not explosive  Not applicable  281-284°F (138-140°C)  281-284°F (138-140°C)  Not available  Not established  Not available		
ODOR: ODOR THRESHOLD: pH: WATER SOLUBILITY: PARTITION COEFFICIENT: SPECIFIC GRAVITY: VISCOSITY: EVAPORATION RATE: VOC: SECTION 10: STABILITY	Not available Not measured Not available Nil, reacts with water Not measured 1.055-1.102 g/cc 2,000-4,000 mPa.s Slower than ether (Ether=1) <250 g/L & REACTIVITY Stable under normal conditions.	DECOMPOSITION TEMPERATURE:  EXPLOSIVE LIMITS:  FLAMMABILITY:  BOILING POINT:  BOILING RANGE:  MELTING/FREEZING POINT:  VAPOR PRESSURE:  VAPOR DENSITY:	LEL: 1% UEL: 7%  Not explosive  Not applicable  281-284°F (138-140°C)  281-284°F (138-140°C)  Not available  Not established  Not available  8.8-9.2 lbs/gal		
ODOR: ODOR THRESHOLD: pH: WATER SOLUBILITY: PARTITION COEFFICIENT: SPECIFIC GRAVITY: VISCOSITY: EVAPORATION RATE: VOC: SECTION 10: STABILITY STABILITY:	Not available Not measured Not available Nil, reacts with water Not measured 1.055-1.102 g/cc 2,000-4,000 mPa.s Slower than ether (Ether=1) <250 g/L & REACTIVITY Stable under normal conditions.	DECOMPOSITION TEMPERATURE:  EXPLOSIVE LIMITS:  FLAMMABILITY:  BOILING POINT:  BOILING RANGE:  MELTING/FREEZING POINT:  VAPOR PRESSURE:  VAPOR DENSITY:  RELATIVE DENSITY:  product to cure. Incompatible with acids, but the compatible with acids, but	LEL: 1% UEL: 7%  Not explosive  Not applicable  281-284°F (138-140°C)  281-284°F (138-140°C)  Not available  Not established  Not available  8.8-9.2 lbs/gal		
ODOR: ODOR THRESHOLD: pH: WATER SOLUBILITY: PARTITION COEFFICIENT: SPECIFIC GRAVITY: VISCOSITY: EVAPORATION RATE: VOC: SECTION 10: STABILITY STABILITY: INCOMPATIBILITY:	Not available  Not measured  Not available  Nil, reacts with water  Not measured  1.055-1.102 g/cc  2,000-4,000 mPa.s  Slower than ether (Ether=1)  <250 g/L  & REACTIVITY  Stable under normal conditions.  Contact with water will cause this	DECOMPOSITION TEMPERATURE:  EXPLOSIVE LIMITS:  FLAMMABILITY:  BOILING POINT:  BOILING RANGE:  MELTING/FREEZING POINT:  VAPOR PRESSURE:  VAPOR DENSITY:  RELATIVE DENSITY:  product to cure. Incompatible with acids, but the compatible with acids, but	LEL: 1% UEL: 7%  Not explosive  Not applicable  281-284°F (138-140°C)  281-284°F (138-140°C)  Not available  Not established  Not available  8.8-9.2 lbs/gal		
ODOR: ODOR THRESHOLD: pH: WATER SOLUBILITY: PARTITION COEFFICIENT: SPECIFIC GRAVITY: VISCOSITY: EVAPORATION RATE: VOC: SECTION 10: STABILITY STABILITY: INCOMPATIBILITY: HAZARDOUS REACTION: HAZARDOUS	Not available  Not measured  Not available  Nil, reacts with water  Not measured  1.055-1.102 g/cc  2,000-4,000 mPa.s  Slower than ether (Ether=1)  <250 g/L  & REACTIVITY  Stable under normal conditions.  Contact with water will cause this  Reaction with water can create carbo	DECOMPOSITION TEMPERATURE:  EXPLOSIVE LIMITS:  FLAMMABILITY:  BOILING POINT:  BOILING RANGE:  MELTING/FREEZING POINT:  VAPOR PRESSURE:  VAPOR DENSITY:  RELATIVE DENSITY:  product to cure. Incompatible with acids, but the compatible with acids, but	LEL: 1% UEL: 7%  Not explosive  Not applicable  281-284°F (138-140°C)  281-284°F (138-140°C)  Not available  Not established  Not available  8.8-9.2 lbs/gal		
ODOR: ODOR THRESHOLD: pH: WATER SOLUBILITY: PARTITION COEFFICIENT: SPECIFIC GRAVITY: VISCOSITY: EVAPORATION RATE: VOC: SECTION 10: STABILITY STABILITY: INCOMPATIBILITY: HAZARDOUS REACTION: HAZARDOUS POLYMERIZATION:	Not available  Not measured  Not available  Nil, reacts with water  Not measured  1.055-1.102 g/cc  2,000-4,000 mPa.s  Slower than ether (Ether=1)  <250 g/L  & REACTIVITY  Stable under normal conditions.  Contact with water will cause this  Reaction with water can create carbo  May polymerize.	DECOMPOSITION TEMPERATURE:  EXPLOSIVE LIMITS:  FLAMMABILITY:  BOILING POINT:  BOILING RANGE:  MELTING/FREEZING POINT:  VAPOR PRESSURE:  VAPOR DENSITY:  RELATIVE DENSITY:  s product to cure. Incompatible with acids, but an dioxide.	LEL: 1% UEL: 7%  Not explosive  Not applicable  281-284°F (138-140°C)  281-284°F (138-140°C)  Not available  Not established  Not available  8.8-9.2 lbs/gal		

<b>SECTION 11: TOXICOLOG</b>	Y INFORMATION					
ACUTE HEALTH EFFECTS:						
EYE CONTACT:	Not available.	lot available.				
SKIN CONTACT:	dryness, irritation and po	ossible non-allergic contact	n may cause removal of nat dermatitis. Solvents may als and soreness with possible re	ural fat from the skin resulting in so be absorbed through the skin. eversible damage.		
INHALATION:	limits may result in advers effects on the kidneys, livi muscular weakness, drov content of this product, re resulting in asthmatic sym asthmatic symptoms whe	exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure mits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse ffects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, nuscular weakness, drowsiness and in extreme cases, loss of consciousness. Based on the properties of the isocyanate ontent of this product, respiratory exposure may cause acute irritation and/or sensitization of the respiratory system esulting in asthmatic symptoms, wheezing and a tightness of the chest. Sensitized persons may subsequently show sthmatic symptoms when exposed to airborne concentrations of isocyanates well below the occupational exposure mit. Repeated exposure may lead to permanent respiratory disability.				
INGESTION:	Not available.					
ACUTE TOXICITY:						
COMPONENT NAME	CAS NUMBER	LD <sub>50</sub> Oral (mg/kg)	LD <sub>50</sub> Dermal (mg/kg)	LC <sub>50</sub> Inhalation (mg/L/4hrs)		
Xylene	1330-20-7	4,299 (rat)	1,548 (rabbit)	Not available		
Methyloxirane polymer	157937-75-2	Not available	Not available	Not available		
Isocyanic acid	53862-89-8	Not available	Not available	Not available		
Diphenylmethane 4,4'-diisocyanate	101-68-8	101-68-8 >10,000 (rat) >9,400 (rabbit) 490 (rat)				
Polymeric diphenylmethane diisocyanate	9016-87-9					
Diphenylmethane 2,4'-diisocyanate	5873-54-1	5873-54-1 Not available Not available Not ava		Not available		
Ethyl benzene	100-41-4	100-41-4 3,500 (rat) 15,433 (rabbit) 17,200 (rat)				
Petroleum distillates, hydrotreated light	64742-47-8 >5,000 (rat) >2,000 (rabbit) Not available					
Tosyl isocyanate	4083-64-1	2,234 (rat)	2,600 (mammal)	2,560 (rat)		
POTENTIAL CHRONIC EFFECTS	:					
CHRONIC EFFECTS:	Not available.					
TARGET ORGANS:	Not available.	Not available.				
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	No known significant effects or critical hazards.				
TERATOGENICITY:	No known significant effects or critical hazards.					
FERTILITY EFFECTS:	No known significant	No known significant effects or critical hazards.				
DEVELOPMENTAL EFFECTS:	No known significant	No known significant effects or critical hazards.				
MEDICAL CONDITIONS AGGRAVATED BY OVER-EXPOSURE:	No known significant of	No known significant effects or critical hazards.				
SECTION 12: ECOLOGICA	L INFORMATION					
ENVIRONMENTAL EFFECTS:				otoxicity on aquatic organisms. uced. There is no evidence of		

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:	UN1263, Paint, 3, PG III	
IMDG:	UN1263, Paint, 3, PG III	
IATA:	UN1263, Paint, 3, PG III	

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	UN1263	3	III	FLAMMABLE 3	None
TDG Classification	UN1263	3	III	FLAMMABLE 3	Marine Pollutant
IATA-DGR Classification	UN1263	3	III	FLAMMABLE 3	Passenger and Cargo Aircraft Quantity limitation: 60 L Packaging Instructions: 355 Cargo Aircraft Only Quantity limitation: 220 L Packaging Instructions: 366
*PG: Packaging group					

SECTION 15: REGULATORY	INFORMATION				
U.S. Federal Regulations					
TSCA 8b Inventory:	All components are	e listed on the TSCA in	nventory or are exe	empt.	
TSCA 5a (2):	No components listed.				
TSCA 5e:	No components lis	ted.			
TSCA 12b:	No components lis	ted.			'
Clean Air Act Section 112(b)	COMP	PONENT	CASI	NUMBER	CONCENTRATION
Hazardous Air Pollutants (HAPs):	4,4'-Diphenylmetha	ane diisocyanate	101	-68-8	1-5%
Clean Air Act - Ozone Depleting Substances (ODS):	This product does	not contain nor is it m	anufactured with o	zone depleting subs	stances.
SARA 313 Form R - Reporting	COMP	PONENT	CAS	NUMBER	CONCENTRATION
Requirements:	Xylene		1330	0-20-7	10-30%
	Ethyl benzene		100	D-41-4	7-13%
	Supplier trade sec	cret	Not a	vailable	5-10%
	4,4'-Diphenylmeth	nane diisocyanate	101	-68-8	1-5%
SARA 311/312 hazard identification:	Immediate (acute) Delayed (chronic) h				
CERCLA Hazardous substances:					
Component	Concentration	Section 302	Section 313	Section 304	Reportable Quantity
Xylene	10-30%	Not listed	Listed	Not listed	100 lbs
Ethyl benzene	7-13%	Not listed	Listed	Not listed	100 lbs
4,4'-Diphenylmethane diisocyanate	1-5%	Not listed	Listed	Not listed	5,000 lbs
STATE REGULATIONS:					
PENNSYLVANIA/NEW JERSEY/	СОМР	PONENT	CAS N	NUMBER	CONCENTRATION
MASSACHUSETTS - RTK:	Xylene	Xylene		1330-20-7	
	Ethyl benzene		100-41-4		7-13%
	Supplier trade secre	t	Not a	vailable	5-10%
	Polymethylene polyp	ohenylene isocyanate	9016-87-9		1-10%
	4,4'-Diphenylmethar	ne diisocyanate	101-68-8		1-5%
California Prop 65:		ins a substance know arning under the statu		alifornia to cause ca	ncer at levels which
CANADA					
WHMIS (Canada):	WHMIS Class D-2A: Material causing other toxic effects (very toxic) WHMIS Class D-2B: Material causing other toxic effects (toxic) WHMIS Class B-2: Flammable and Combustible Material (flammable liquid)				
CEPA DSL:	All components are	e listed or exempted.	· · · · · · · · · · · · · · · · · · ·	·	
This product has been classified in the information required by the Co			e Controlled Prod	ucts Regulations ar	nd the SDS contains all
INTERNATIONAL LISTS:					
Australia inventory (AICS):	All components are	e listed or exempted.			
China inventory (IECSC):	<u> </u>	e listed or exempted.			
Japan inventory:	All components are	e listed or exempted.			
Korea inventory:	<u> </u>	e listed or exempted.			
•	All components are listed or exempted.  All components are listed or exempted.				
New Zealand inventory of Chemicals (NZIoC):	All components are	e listed or exempted.			
	<u> </u>	e 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)





# Hazardous Material Information System (HMIS)

HEALTH	2
FLAMMABILITY	3
REACTIVITY	0
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 <b>ALL</b> previous SDS versions.