

**SECTION 1: IDENTIFICATION**

<b>PRODUCT NAME</b>	<b>POLYPRIME™ SC</b>
<b>CAS NUMBER</b>	Not available
<b>PRODUCT USE</b>	Primer
<b>MANUFACTURER</b>	Specialty Products, Inc. (SPI)
<b>ADDRESS</b>	2410 104TH ST. CT. S. STE D LAKEWOOD, WA 98499
<b>PHONE</b>	253 588 7101 800 627 0773
<b>FAX</b>	253 588 7196
<b>EMERGENCY CONTACT</b>	FOR SPILLS, LEAKS, FIRE, OR EXPOSURE CALL <b>CHEMTREC</b>
<b>TOLL FREE</b>	<b>800 424 9300</b>
<b>INTERNATIONAL</b>	+1 703 527 3887
<b>FAX</b>	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.
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**READ THE ENTIRE SDS FOR MORE THOROUGH EVALUATION OF THE HAZARDS**



### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	% WEIGHT
Isocyanic acid, polymethylenepolyphenylene ester, polymer with .alpha.-hydro.-omega. hydroxypoly[oxy(methyl-1,2-ethanediyl)]	53862-89-8	30-50
Propylene carbonate	108-32-7	10-20
4,4'-Diphenylmethane diisocyanate	101-68-8	10-20
Polymethylene polyphenylene isocyanate	9016-87-9	10-20
Diphenylmethane-2,4'- diisocyanate	5873-54-1	5-10
Isocyanic acid, polymethylenepolyphenylene ester, polymer with .alpha.-methyl.-omega.-	70644-56-3	1-5

### SECTION 4: FIRST AID MEASURES

<b>EYE:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If easy to do, remove contact lens, if worn. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
<b>SKIN:</b>	In case of contact, immediately flush skin with soap and plenty of water. Take off contaminated clothing and shoes immediately. Wash contaminated clothing before reuse. Thoroughly clean shoes before reuse. Call a physician if irritation develops or persists. An MDI study has demonstrated that a polyglycol-based skin cleanser (such as D-Tam™, PEG-400) or corn oil may be more effective than soap and water.
<b>INHALATION:</b>	If breathed in, move person into fresh air. Call a physician or poison control centre immediately. Keep patient warm and at rest. Keep respiratory tract clear. If breathing is difficult, give oxygen. If breathing is irregular or stopped, administer artificial respiration. If unconscious, place in recovery position and seek medical advice. Consult a physician immediately if symptoms such as shortness of breath or asthma are observed. A hyper-reactive response to even minimal concentrations of diisocyanates may develop in sensitised persons. The exposed person may need to be kept under medical surveillance for 48 hours. LC50 (rat) : ca. 490 mg/m <sup>3</sup> (4 hours) : using experimentally produced respirable aerosol having aerodynamic diameter <5microns.
<b>INGESTION:</b>	Gently wipe or rinse the inside of the mouth with water. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Keep respiratory tract clear. Keep at rest. If a person vomits when lying on his back, place him in the recovery position.
<b>NOTES TO PHYSICIAN:</b>	Symptomatic and supportive therapy as needed. Following severe exposure, medical follow-up should be monitored for 48 hours.

### SECTION 5: FIRE FIGHTING MEASURES

<b>FLASH POINT:</b>	230°F (110°C) closed cup.
<b>HAZARDS WHEN ON FIRE OR NEAR FLAME:</b>	Do not allow run-off from fire fighting to enter drains or water courses. The pressure in sealed containers can increase under the influence of heat. Exposure to decomposition products may be a hazard to health.
<b>SUITABLE EXTINGUISHING MEDIA:</b>	Cool containers/tanks with water spray.
<b>UNSUITABLE EXTINGUISHING MEDIA:</b>	Water may be used if no other available and then in copious quantities. Reaction between water and hot isocyanate may be vigorous.
<b>SPECIAL EXPOSURE HAZARDS:</b>	Standard procedure for chemical fires. Due to reaction with water producing CO <sub>2</sub> -gas, a hazardous build-up of pressure could result if contaminated containers are re-sealed. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Prevent fire extinguishing water from contaminating surface water or the ground water system. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
<b>SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS:</b>	Firefighters should wear full protective gear including self-contained breathing apparatus when fighting chemical fires. Fight fire from a protected location or a safe distance. When using water care must be taken since the reaction between water and hot Polymeric MDI can be vigorous.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

<b>ACCIDENTAL RELEASE MEASURES:</b>	For major spills call <b>CHEMTREC</b> : Toll free <b>1-800-424-9300</b> for international call <b>1-703-527-3887</b> .
<b>PERSONAL PRECAUTIONS:</b>	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.
<b>ENVIRONMENTAL PRECAUTIONS:</b>	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.
<b>METHODS FOR CONTAINMENT:</b>	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.
<b>METHODS FOR CLEANING UP:</b>	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

<b>GENERAL:</b>	Ideal storage temperature is 60-90°F (15-32°C). Handling and storage shall be in accordance with local, state/provincial, or federal regulations.
<b>HANDLING:</b>	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.
<b>STORAGE:</b>	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
Isocyanic acid, polymethylene-polyphenylene ester, polymer with .alpha.-hydro.-omega.-hydroxypoly[oxy(methyl-1,2-ethanediy)]	53862-89-8	Not available
Propylene carbonate	108-32-7	Not available
4,4'-Diphenylmethane diisocyanate	101-68-8	<b>ACGIH TLV</b> TWA: 0.005 ppm 8 hour(s) <b>OSHA PEL</b> CEIL: 0.02 ppm CEIL: 0.2 mg/m <sup>3</sup> <b>NIOSH REL</b> CEIL: 0.2 mg/m <sup>3</sup> 10 minute(s) CEIL: 0.02 ppm 10 minute(s) TWA: 0.05 mg/m <sup>3</sup> 10 hour(s) TWA: 0.005 ppm 10 hour(s)
Polymethylene polyphenylene isocyanate	9016-87-9	<b>ALBERTA CANADA TWA</b> TWA: 0.005 ppm TWA: 0.07 mg/m <sup>3</sup>
Diphenylmethane-2,4'-diisocyanate	5873-54-1	Not available
Isocyanic acid, polymethylenepolyphenylene ester, polymer with .alpha.-methyl.-omega.-	70644-56-3	Not available
<b>ENGINEERING CONTROLS:</b>	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.	
<b>HYGIENE MEASURES:</b>	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 contaminants 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.	
<b>PERSONAL PROTECTIVE EQUIPMENT (PPE):</b>		
<b>EYE PROTECTION:</b>	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.	
<b>SKIN PROTECTION:</b>	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.	
<b>HANDS PROTECTION:</b>	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.	
<b>RESPIRATORY PROTECTION:</b>	Ensure adequate ventilation. 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 OSHA 29CFR 1910.134, NIOSH (US), or CEN (EU).	
<b>ENVIRONMENTAL EXPOSURE CONTROLS:</b>	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 PROPERTIES**

<b>PHYSICAL STATE:</b>	Liquid	<b>FLASH POINT:</b>	Not available
<b>COLOR:</b>	Dark Brown	<b>AUTO-IGNITION TEMPERATURE:</b>	Not available
<b>ODOR:</b>	Musty odor	<b>DECOMPOSITION TEMPERATURE:</b>	Not available
<b>ODOR THRESHOLD:</b>	Not available	<b>EXPLOSIVE LIMITS:</b>	Not explosive
<b>pH:</b>	Not applicable	<b>FLAMMABILITY:</b>	Not available
<b>WATER SOLUBILITY:</b>	Not available	<b>BOILING POINT:</b>	Not available
<b>PARTITION COEFFICIENT:</b>	Not available	<b>BOILING RANGE:</b>	Not available
<b>SPECIFIC GRAVITY:</b>	1.15±0.005 g/cc @ 77°F (25°C)	<b>MELTING/FREEZING POINT:</b>	Not available
<b>VISCOSITY:</b>	550±100 mPa.s @ 77°F (25°C)	<b>VAPOR PRESSURE:</b>	Not available
<b>EVAPORATION RATE:</b>	Not available	<b>VAPOR DENSITY:</b>	Not available
<b>VOC:</b>	0 g/L	<b>RELATIVE DENSITY:</b>	9.6±0.05 lbs/gal

**SECTION 10: STABILITY & REACTIVITY**

<b>STABILITY:</b>	Stable under normal conditions.
<b>INCOMPATIBILITY:</b>	Incompatible with acids, amines, bases, metals, and water.
<b>HAZARDOUS REACTION:</b>	Reaction with water (moisture) produces CO <sub>2</sub> -gas. Exothermic reaction with materials containing active hydrogen groups. 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. MDI 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 gas.
<b>HAZARDOUS POLYMERIZATION:</b>	Not available.
<b>CONDITIONS TO AVOID:</b>	Extremes of temperature and direct sunlight. Exposure to air or moisture over prolonged periods.
<b>HAZARDOUS DECOMPOSITION:</b>	Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). Nitrogen oxides (NO <sub>x</sub> ). Hydrogen cyanide (hydrocyanic acid).

**SECTION 11: TOXICOLOGY INFORMATION**

<b>ACUTE HEALTH EFFECTS:</b>	
<b>EYE CONTACT:</b>	Causes serious eye irritation. Contact with liquid, mist and aerosols may cause irritation with redness, swelling, pain, and watering of the eyes.
<b>SKIN CONTACT:</b>	Causes skin irritation and may cause allergic skin reaction. Polymeric MDI can cause mild irritation. Skin sensitization, resulting in dermatitis, may occur in some individuals. Application of single doses of 2.5, 3.9, 6.0 and 9.4 mg/kg Polymeric MDI to abraded skin of rabbits, under a cover for 24 hours, caused only minor, local, reversible skin changes.
<b>INHALATION:</b>	May cause allergy or asthma symptoms or breathing difficulties if inhaled. Polymeric MDI has an extremely low vapor pressure and it is difficult to achieve vapor concentrations necessary for inhalation toxicity testing. Symptoms of severe irritation and deaths occurred at 13.6 mg/m <sup>3</sup> . Less severe irritation and no deaths occurred at 4.9 mg/m <sup>3</sup> . There were no visible effects at 2.2 mg/m <sup>3</sup> .
<b>INGESTION:</b>	Swallowing may result in irritation and corrosion of the mouth, throat, and digestive tract.

<b>ACUTE TOXICITY:</b>				
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)
Isocyanic acid, polymethylenepolyphenylene ester, polymer with .alpha.-hydro-.omega.-hydroxypoly[oxy(methyl-1,2-ethanediy)]	5873-54-1	>2,000 (rat)	>9,400 (rabbit)	0.49 (rat)
Propylene carbonate	108-32-7	>33,520 (rat)	>2,000 (rabbit)	>5 (rat)
4,4'-Diphenylmethane diisocyanate	101-68-8	>2,000 (rat)	>9,400 (rabbit)	0.49 (rat)
Polymethylene polyphenylene isocyanate	9016-87-9	>10,000 (rat)	>6,200 (rabbit)	0.49 (rat)
Diphenylmethane-2,4'-diisocyanate	5873-54-1	Not available	Not available	Not available
Isocyanic acid, polymethylenepolyphenylene ester, polymer with .alpha.-methyl-.omega.-	70644-56-3	Not available	Not available	Not available

POTENTIAL CHRONIC EFFECTS:	
<b>CHRONIC EFFECTS:</b>	Contains material that can cause target organ damage. Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.
<b>TARGET ORGANS:</b>	Long-term, low-level exposure may cause severe, permanent respiratory impairment.
<b>CARCINOGENICITY:</b>	This material does not contain any component that is considered a human carcinogen by the International Agency for Research on Cancer (IARC), American Conference of Governmental Industrial Hygienists (ACGIH), OSHA or the National Toxicology Program (NTP). IARC has concluded that polymeric MDI and MDI are not classifiable as to their carcinogenicity to humans (Group 3). Although lifetime inhalation of PMDI aerosols by rats resulted in a small number of benign adenomas, they are considered to be of unlikely relevance to occupational exposures. Such aerosols are not encountered outside of the experimental laboratory.
<b>MUTAGENICITY:</b>	No known significant effects or critical hazards.
<b>TERATOGENICITY:</b>	No known significant effects or critical hazards.
<b>FERTILITY EFFECTS:</b>	No known significant effects or critical hazards.
<b>DEVELOPMENTAL EFFECTS:</b>	No known significant effects or critical hazards.
<b>MEDICAL CONDITIONS AGGRAVATED BY OVER-EXPOSURE:</b>	Existing respiratory/pulmonary and skin conditions may be aggravated by overexposure.

## SECTION 12: ECOLOGICAL INFORMATION

<b>ENVIRONMENTAL EFFECTS:</b>	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.
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## SECTION 13: DISPOSAL CONSIDERATION

<b>WASTE DISPOSAL:</b>	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.
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## SECTION 14: TRANSPORT INFORMATION

PROPER SHIPPING NAME:	
<b>DOT:</b>	Other regulated substance, liquid, n.o.s. (contains: 4,4'-Diphenylmethane diisocyanate) *Single containers less than 5,000 lbs. are not regulated.
<b>TDG:</b>	Not regulated.
<b>IMDG:</b>	Not regulated.
<b>IATA:</b>	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
<b>DOT Classification</b>	NA3082	9	III		<b>Reportable quantity 5,000 lbs. (2,268 kg)</b> Single containers less than 5,000 lbs. are not regulated.

\*PG: Packaging group

## SECTION 15: REGULATORY INFORMATION

U.S. Federal Regulations					
<b>TSCA 8b Inventory:</b>	All components are listed on the TSCA inventory or are exempt.				
<b>TSCA 5a (2):</b>	No components listed.				
<b>TSCA 5e:</b>	No components listed.				
<b>TSCA 12b:</b>	No components listed.				
<b>Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs):</b>	<b>COMPONENT</b>	<b>CAS NUMBER</b>	<b>CONCENTRATION</b>		
	4,4'-Diphenylmethane diisocyanate	101-68-8	30-70%		
<b>Clean Air Act - Ozone Depleting Substances (ODS):</b>	This product does not contain nor is it manufactured with ozone depleting substances.				
<b>SARA 313 Form R - Reporting Requirements:</b>	<b>COMPONENT</b>	<b>CAS NUMBER</b>	<b>CONCENTRATION</b>		
	Polymethylene polyphenylene isocyanate	9016-87-9	30-70%		
	4,4'-Diphenylmethane diisocyanate	101-68-8	30-70%		
<b>SARA 311/312 hazard identification:</b>	Immediate (acute) health hazard. Delayed (chronic) health hazard.				
CERCLA Hazardous substances:					
<b>Component</b>	<b>Concentration</b>	<b>Section 302</b>	<b>Section 313</b>	<b>Section 304</b>	<b>Reportable Quantity</b>
Polymethylene polyphenylene isocyanate	30-70%	Not listed	Listed	Not listed	Not available
4,4'-Diphenylmethane diisocyanate	30-70%	Not listed	Listed	Not listed	5,000 lbs
STATE REGULATIONS:					
<b>PENNSYLVANIA/NEW JERSEY/ MASSACHUSETTS - RTK:</b>	<b>COMPONENT</b>	<b>CAS NUMBER</b>	<b>CONCENTRATION</b>		
	Polymethylene polyphenylene isocyanate	9016-87-9	30-70%		
	4,4'-Diphenylmethane diisocyanate	101-68-8	30-70%		
<b>California Prop 65:</b>	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					
<b>WHMIS (Canada):</b>	WHMIS Class D-1A: Material causing immediate and serious toxic effects (very toxic). WHMIS Class D-2A: Material causing other toxic effects (very toxic).				
<b>CEPA DSL:</b>	All components are listed or exempted.				
<b>This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.</b>					
INTERNATIONAL LISTS:					
<b>Australia inventory (AICS):</b>	All component substances are present on the inventory of Chemical Substances.				
<b>China inventory (IECSC):</b>	All component substances are present on the Chemical Inventory.				
<b>Japan inventory:</b>	All component substances are present on the inventory- Existing and New Chemical Substances (ENCS). Polymeric MDI 7-872; Methylene diphenyl diisocyanate 4-118.				
<b>Korea inventory:</b>	All component substances are present on the inventory- Existing and Evaluated Chemical Substances. Polymeric MDI KE-21487; Methylene diphenyl diisocyanate KE-23829.				
<b>New Zealand inventory of Chemicals (NZIoC):</b>	All component substances are present on the Chemical Inventory.				

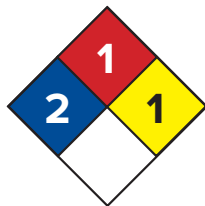


**SECTION 16: OTHER INFORMATION**

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



**National Fire Protection Association (NFPA)**



HEALTH	1
FLAMMABILITY	2
REACTIVITY	1
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.**

<b>For Your Protection:</b>	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.
<b>Preparation Information:</b>	This SDS supersedes <b>ALL</b> previous SDS versions.