

#### SAFETY DATA SHEET

ELASTAFLEX™ ARC "A" Component

Revised Date: 1/20/2016

Version: 4 SDS-090

## **SECTION 1: IDENTIFICATION**

PRODUCT NAME **CAS NUMBER PRODUCT USE MANUFACTURER** 

**ADDRESS** PHONE

FAX

**EMERGENCY CONTACT** 

TOLL FREE INTERNATIONAL FAX

**ELASTAFLEX™ ARC "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 CLASSIFICATION**

**GHS PICTOGRAM** 





## **NEW GHS SCALE**

GHS SCALE				
1	Extreme			
2	Serious			
3	Moderate			
4 Slight				







## **DANGER**



Personal Protective Equipment









#### **EMERGENCY OVERVIEW**

LIAILIY.	LINEROLING! CAEKAIEM					
HAZARD STATEMENTS			PRECAUTIONARY STATEMENTS			
H332	Harmful if inhaled.	P264	Wash hands thoroughly after handling.			
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.	P280	Wear protective gloves/protective clothing/eye protection/face protection.			
H320	Causes eye irritation.	P261	Avoid breathing dust/fumes/gas/mist/vapors /spray.			
H315	Causes skin irritation.	P271	Use only out doors or in a well-ventilated area.			
H317	May cause an allergic skin reaction.	P270	Do not eat, drink, or smoke when using this product.			
H302	May be harmful if swallowed.	P285	In case of inadequate ventilation wear respiratory protection.			

APPEARANCE, COLOR, ODOR:

Liquid, clear yellow, slightly musty.

USA: This material is considered hazardous to health by the OSHA Hazard Communication Standard (29 CFR 1910-1200). READ THE ENTIRE SDS FOR MORE THOROUGH EVALUATION OF THE HAZARDS

## SECTION 2. COMPOSITION/INFORMATION ON INCREDIENTS

SECTION 3: COMPOSITION/INFORMATION ON INGREDIE	NIS	
CHEMICAL NAME	CAS NUMBER	% WEIGHT
Polyether polyol	25322-69-4	30-50
Diphenylmethane 4, 4'-diisocyanate	101-68-8	10-30
Propylene carbonate	108-32-7	10-30
Monofunctional isocyanate	4083-64-1	<1
Metal carboxylates	Not available	<1



SECTION 4: FIRST	Γ AID MEASURE	S			
EYE: H320		Causes eye irritation. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, continue rinsing. IF eye irritation persists: Get medical advice/attention.			
SKIN: H315/317		Causes skin irritation and may cause an allergic skin reaction. IF ON SKIN: wash with plenty of soap and water. IF SKIN irritation or rash occurs: Get medical advice/attention Wash contaminated clothing before use.			
INHALATION: H332/334		Harmful if inhaled and may cause allergy or asthma symptoms or breathing difficulties if inhaled. IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.			
INGESTION:	H302	Harmful if swallowed. IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician IF you feel unwell.			
NOTES TO PHYSI	CIAN:	Symptomatic and supportive therapy as needed. Following severe exposure, medical follow-up should be monitored for 48 hours.			
SECTION 5: FIRE I	FIGHTING MEAS	SURES			
FLASH POINT:		Not available.			
HAZARDS WHEN NEAR FLAME:	ON FIRE OR	May produce toxic fumes of carbon dioxide, carbon monoxide, hydrocarbons, hydrogen cyanide, and/or nitrogen oxides when near heat source/flame. When in a closed container, pressure will increase which may lead to a rupture of the container.			
SUITABLE EXTING MEDIA:	GUISHING	Use dry chemical, carbon dioxide, or alcohol resistant foam.			
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 PROTEC EQUIPMENT FOR 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: ACCI	DENTAL RELEAS	SE MEASURES			
ACCIDENTAL REL MEASURES:	EASE	For major spills call <b>CHEMTREC</b> : Toll free <b>1-800-424-9300</b> for international call <b>1-703-527-3887</b> .			
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, 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.			

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

SECTION 7. HANDLING	ECTION 7: HANDLING & STURAGE					
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 containers properly sealed and when stored indoors, in a dry and well-ventilated area. Keep contents away from moisture. Due to reaction with water producing $\mathrm{CO}_2$ 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

## **EXPOSURE LIMITS:**

EXI OSORE EIMITS.					
COMPONENT NAME	CAS NUMBER	EXPOSURE LIMITS			
Polyether polyol	25322-69-4	Not available			
Diphenylmethane 4,4'-diisocyanate	101-68-8	ACGIH TLV (United States, 3/2012) TWA: 0.005 ppm 8 hour(s) OSHA PEL (United States, 6/2010) CEIL: 0.02 ppm CEIL: 0.2 mg/m³ NIOSH REL (United States, 12/2001) CEIL: 0.2 mg/m³ 10 minute(s) CEIL: 0.02 ppm 10 minutes(s) TWA: 0.05 mg/m³ 10 hour(s) TWA: 0.005 ppm 10 hour(s)			
Propylene carbonate	108-32-7	Not available			
Metal carboxylates	Not available	Not available			
Monofunctional isocyanate	4083-64-1	Not available			

	1							
ENGINEERING CONTROLS:	mist, use process enclosures, I	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 E	QUIPMENT (PPE):							
EYE PROTECTION:	indicates this is necessary to a possible, the following protecti	n an approved standard should be used void exposure to liquid splashes, mists on should be worn, unless the assessn I splash goggles and/or face shield.	, or dusts. If contact is					
SKIN PROTECTION:		for the body should be selected based and should be approved by an industria						
HANDS PROTECTION:	when handling this product. Progression of chemical protection factors of chemical properties remain intact. It is not glove manufacturers varies. In gloves may be impacted and described in the control of the control	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 & C	HEMICAL PROPERTIES							
PHYSICAL STATE:	Liquid	FLASH POINT:	Not available					
COLOR:	Clear yellow	AUTO-IGNITION TEMPERATURE:	Not available					
ODOR:	Slightly musty	DECOMPOSITION TEMPERATURE:	Not available					
ODOR THRESHOLD:	Not available EXPLOSIVE LIMITS: Not explosive							
pH:	Not applicable	FLAMMABILITY:	Not available					
WATER SOLUBILITY:	Not available	BOILING POINT:	Not available					
PARTITION COEFFICIENT:	Not available BOILING RANGE: Not available							
SPECIFIC GRAVITY:	1.10±0.005 g/cc @ 77°F (25°C)	MELTING/FREEZING POINT:	Not available					
VISCOSITY:	525±50 cps @ 77°F (25°C)	VAPOR PRESSURE:	Not available					
EVAPORATION RATE:	Not available	VAPOR DENSITY:	Not available					
VOC:	Not available	RELATIVE DENSITY:	9.2±0.05 lbs/gal					

SECTION 10: STABILITY &	REACTIVITY							
STABILITY:	Stable when handle (moisture) produce groups. The reacti- temperatures if the presences of solve	Stable when handled and stored at temperatures 60-90°F (15-32°C). 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 emperatures if the miscibility of the reaction partners is good or is supported by stirring or by the presences of solvents. MDI is insoluble with and heavier than water and sinks to the bottom but eacts slowly at the interface. A solid water-insoluble layer of polyurea is formed at the interface.						
INCOMPATIBILITY:	Incompatible with v	ncompatible with water, alcohols, amines, bases, and acids.						
HAZARDOUS REACTION:	Exothermic reaction storage and use, ha	n will occur when com azardous reactions wi	nbined with sister compone Il not occur.	nt. Under normal conditions of				
HAZARDOUS POLYMERIZATION:			mperatures in the presence anditions of storage and use	e of alkalis, tertiary amines e, hazardous polymerization				
CONDITIONS TO AVOID:	Avoid moisture con	tamination and high t	emperatures.					
HAZARDOUS DECOMPOSITION:	May produce toxic heat source/flame.	fumes of carbon dioxi	de, carbon monoxide, and/	or nitrogen oxides when near				
SECTION 11: TOXICOLOG	YINFORMATION							
ACUTE HEALTH EFFECTS:								
EYE CONTACT:	Causes eye irritatio	on.						
SKIN CONTACT:	Causes skin irritation	on and may cause an	allergic skin reaction.					
INHALATION:	Harmful if inhaled.	May cause allergy or	asthma symptoms or breat	thing difficulties if inhaled.				
INGESTION:	May be harmful if s	swallowed.						
ACUTE TOXICITY:								
	CAS NUMBER LD. Oral (mg/kg) LD Dermal (mg/kg) LC Inhalation (mg/m³/4hrs)							
COMPONENT NAME	CAS NUMBER	LD <sub>50</sub> Oral (mg/kg)	LD <sub>50</sub> Dermal (mg/kg)	LC <sub>50</sub> Inhalation (mg/m³/4hrs)				
COMPONENT NAME Polyether polyol	<b>CAS NUMBER</b> 25322-69-4	LD <sub>50</sub> Oral (mg/kg) >2,000 (rat)	LD <sub>50</sub> Dermal (mg/kg) >2,000 (rabbit)	LC <sub>50</sub> Inhalation (mg/m³/4hrs) >20,000 (rat) 1 hr				
		30	30	36				
Polyether polyol Diphenylmethane	25322-69-4	>2,000 (rat)	>2,000 (rabbit)	>20,000 (rat) 1 hr				
Polyether polyol  Diphenylmethane 4,4'-diisocyanate	25322-69-4 101-68-8	>2,000 (rat) >10,000 (rat)	>2,000 (rabbit) >9,400 (rabbit)	>20,000 (rat) 1 hr 490 (rat)				
Polyether polyol  Diphenylmethane 4,4'-diisocyanate  Propylene carbonate	25322-69-4 101-68-8 108-32-7	>2,000 (rat) >10,000 (rat) >33,520 (rat)	>2,000 (rabbit) >9,400 (rabbit) >2,000 (rabbit)	>20,000 (rat) 1 hr 490 (rat) Not available				
Polyether polyol  Diphenylmethane 4,4'-diisocyanate  Propylene carbonate  Metal carboxylates	25322-69-4 101-68-8 108-32-7 Not available 4083-64-1	>2,000 (rat) >10,000 (rat) >33,520 (rat) Not available	>2,000 (rabbit)  >9,400 (rabbit)  >2,000 (rabbit)  Not available	>20,000 (rat) 1 hr 490 (rat)  Not available  Not available				
Polyether polyol  Diphenylmethane 4,4'-diisocyanate  Propylene carbonate  Metal carboxylates  Monofunctional isocyanate	25322-69-4 101-68-8 108-32-7 Not available 4083-64-1 CTS: Contains material t	>2,000 (rat) >10,000 (rat) >33,520 (rat) Not available >2,600 (rat)  hat can cause target of	>2,000 (rabbit)  >9,400 (rabbit)  >2,000 (rabbit)  Not available	>20,000 (rat) 1 hr  490 (rat)  Not available  Not available  640 (rat) 1 hr				
Polyether polyol  Diphenylmethane 4,4'-diisocyanate  Propylene carbonate  Metal carboxylates  Monofunctional isocyanate  POTENTIAL CHRONIC EFFEC	25322-69-4  101-68-8  108-32-7  Not available  4083-64-1  TS:  Contains material treaction may occur	>2,000 (rat)  >10,000 (rat)  >33,520 (rat)  Not available  >2,600 (rat)  hat can cause target or when subsequently or	>2,000 (rabbit)  >9,400 (rabbit)  >2,000 (rabbit)  Not available  Not available  organ damage. Once sens	>20,000 (rat) 1 hr  490 (rat)  Not available  Not available  640 (rat) 1 hr  itized, a severe allergic				
Polyether polyol  Diphenylmethane 4,4'-diisocyanate  Propylene carbonate  Metal carboxylates  Monofunctional isocyanate  POTENTIAL CHRONIC EFFEC  CHRONIC EFFECTS:	25322-69-4  101-68-8  108-32-7  Not available  4083-64-1  TS:  Contains material treaction may occur  Contains material value and the second s	>2,000 (rat)  >10,000 (rat)  >33,520 (rat)  Not available  >2,600 (rat)  hat can cause target or when subsequently or which causes damage on, this material is not se refer to the most regency for Research or	>2,000 (rabbit)  >9,400 (rabbit)  >2,000 (rabbit)  Not available  Not available  Organ damage. Once sens exposed to very low levels.  To the upper respiratory training traini	>20,000 (rat) 1 hr  490 (rat)  Not available  Not available  640 (rat) 1 hr  itized, a severe allergic				
Polyether polyol  Diphenylmethane 4,4'-diisocyanate  Propylene carbonate  Metal carboxylates  Monofunctional isocyanate  POTENTIAL CHRONIC EFFEC  CHRONIC EFFECTS:  TARGET ORGANS:	25322-69-4  101-68-8  108-32-7  Not available  4083-64-1  CTS:  Contains material treaction may occur  Contains material vector may occur  As of this publication carcinogens. Pleather International Allevels of MDI, signifuction the occurrence of the sector of the sect	>2,000 (rat)  >10,000 (rat)  >33,520 (rat)  Not available  >2,600 (rat)  hat can cause target or when subsequently of which causes damage on, this material is not se refer to the most regency for Research or ficantly above the three	>2,000 (rabbit)  >9,400 (rabbit)  >2,000 (rabbit)  Not available  Not available  organ damage. Once sensexposed to very low levels.  to the upper respiratory translated on the National Toxic ecent information with NTP, or Cancer (IARC) Monographeshold limit value (0.005 prody using rats.	>20,000 (rat) 1 hr  490 (rat)  Not available  Not available  640 (rat) 1 hr  itized, a severe allergic  act.  Program (NTP) Report of The material is classified on as as Group 3. Exposure to				
Polyether polyol  Diphenylmethane 4,4'-diisocyanate  Propylene carbonate  Metal carboxylates  Monofunctional isocyanate  POTENTIAL CHRONIC EFFEC  CHRONIC EFFECTS:  TARGET ORGANS:  CARCINOGENICITY:	25322-69-4  101-68-8  108-32-7  Not available  4083-64-1  CTS:  Contains material treaction may occur  Contains material veaction may occur  As of this publication  Carcinogens. Pleathe International Active of MDI, signite to the occurrence of No known signification.	>2,000 (rat)  >10,000 (rat)  >33,520 (rat)  Not available  >2,600 (rat)  hat can cause target or when subsequently of which causes damage on, this material is not se refer to the most regency for Research or ficantly above the threat for lung tumors in a students.	>2,000 (rabbit)  >9,400 (rabbit)  >2,000 (rabbit)  Not available  Not available  organ damage. Once sens exposed to very low levels. to the upper respiratory tracement information with NTP. or Cancer (IARC) Monographeshold limit value (0.005 prody using rats.	>20,000 (rat) 1 hr  490 (rat)  Not available  Not available  640 (rat) 1 hr  itized, a severe allergic  act.  Program (NTP) Report of The material is classified on as as Group 3. Exposure to				
Polyether polyol  Diphenylmethane 4,4'-diisocyanate  Propylene carbonate  Metal carboxylates  Monofunctional isocyanate  POTENTIAL CHRONIC EFFECT  CHRONIC EFFECTS:  TARGET ORGANS:  CARCINOGENICITY:	25322-69-4  101-68-8  108-32-7  Not available  4083-64-1  CTS:  Contains material treaction may occur  Contains material value and the liternational Allevels of MDI, signito the occurrence of No known significations.	>2,000 (rat)  >10,000 (rat)  >33,520 (rat)  Not available  >2,600 (rat)  hat can cause target or when subsequently or which causes damage on, this material is not se refer to the most regency for Research or ficantly above the throof lung tumors in a sturnt effects or critical had	>2,000 (rabbit)  >9,400 (rabbit)  >2,000 (rabbit)  Not available  Not available  Organ damage. Once sensexposed to very low levels.  It to the upper respiratory translated on the National Toxic ecent information with NTP. Cancer (IARC) Monographeshold limit value (0.005 prody using rats.	>20,000 (rat) 1 hr  490 (rat)  Not available  Not available  640 (rat) 1 hr  itized, a severe allergic  act.  Program (NTP) Report of The material is classified on as as Group 3. Exposure to				
Polyether polyol  Diphenylmethane 4,4'-diisocyanate  Propylene carbonate  Metal carboxylates  Monofunctional isocyanate  POTENTIAL CHRONIC EFFECT  CHRONIC EFFECTS:  TARGET ORGANS:  CARCINOGENICITY:  MUTAGENICITY:  TERATOGENICITY:	25322-69-4  101-68-8  108-32-7  Not available  4083-64-1  CTS:  Contains material treaction may occur  Contains material treaction may occur  Contains material treaction may occur  As of this publication  Carcinogens. Pleathe International Additional Additional Additional Model of MDI, signification to the occurrence of No known signification in the occurrence of No known	>2,000 (rat)  >10,000 (rat)  >33,520 (rat)  Not available  >2,600 (rat)  hat can cause target or when subsequently of the most regency for Research or gency for Research or ficantly above the three of lung tumors in a stunt effects or critical hand ant effects or critical hand services.	>2,000 (rabbit)  >9,400 (rabbit)  >2,000 (rabbit)  Not available  Not available  organ damage. Once sensexposed to very low levels.  to the upper respiratory transferent information with NTP or Cancer (IARC) Monographeshold limit value (0.005 prody using rats.  azards.  azards.	>20,000 (rat) 1 hr  490 (rat)  Not available  Not available  640 (rat) 1 hr  itized, a severe allergic  act.  Program (NTP) Report of The material is classified on as as Group 3. Exposure to				

#### 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:

PROPER SHIPPING NAME:	
DOT:	Other regulated substance, liquid, n.o.s. (contains: Diphenylmethane 4,4'- 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	4	Reportable quantity 5,000 lbs. (2,268 kg) Single containers less than 5,000 lbs. are not regulated.
*PG: Packaging group					

<b>SECTION 15: REGULATORY IN</b>	FORMATION							
U.S. Federal Regulations								
This material is considered hazardo	ous to health under	OSHA Haza	rd Commur	nication Standard	d (29 CFR 1910.120	00)		
HCS Classification:	Toxic Irritant Sensitizer	Toxic Irritant						
TSCA 8b Inventory:	All components ar	e listed on tl	he TSCA in	ventory or are ex	empt.			
TSCA 5a (2):	No components lis	sted.						
TSCA 5e:	No components lis	No components listed.						
TSCA 12b:	No components lis	sted.						
Clean Air Act Section 112(b) Hazardous Air Pollutants	COMPONI	ENT	CAS	NUMBER	CONCEN	TRATION		
Hazardous Air Pollutants (HAPs):	Diphenylmethane 4,4'-diisocyanate		10	)1-68-8	10-3	30%		
Clean Air Act - Ozone Depleting Substances (ODS):	This product does	not contain	nor is it ma	nufactured with	ozone depleting s	substances.		
SARA 313 Form R - Reporting Requirements:	COMPONI	ENT	CAS	NUMBER	CONCEN	TRATION		
Requirements:	Diphenylmethane 4,4'-diisocyanate		10	)1-68-8	10-3	30%		
SARA 311/312 hazard identification:	Not classified.	,						
CERCLA Hazardous substances	<b>5</b> :							
Component	Concentration	Section 302 (TPQ)	Section 313	Section 304 CERCLA RQ	CERCLA reportable quantity	Product reportable quantity		
Diphenylmethane 4,4'-diisocyanate	10-30%	Not listed	Listed	Not listed	5,000 lbs	18,800 lbs		
STATE REGULATIONS:								
PENNSYLVANIA/NEW JER-	COMPONENT		CAS NUMBER		CONCENTRATION			
SEY/MASSACHÚSETTS - RTK:	Diphenylmethane 4,4'-diisocyanate		101-68-8		10-30%			
California Prop 65:	This product conta birth defects, or ot statute.	nins no listed her reprodu	d substance ctive harm,	es known to the S at levels which v	State of California vould require a w	to cause cancer, arning under the		
CANADA								
	WHMIS Class D-2A WHMIS Class D-2B							
CEPA DSL:	All components are	e listed or ex	empted.					
This product has been classificand the SDS contains all the ir	ed in accordance iformation require	with the h	azard crite Controlled	eria of the Con Products Regi	trolled Products	s Regulations		
INTERNATIONAL LISTS:								
Australia inventory (AICS):	All components are	e listed or ex	empted.					
China inventory (IECSC):	All components are	e listed or ex	empted.					
Japan inventory:	All components are	e listed or ex	empted.					
Korea inventory:								
New Zealand inventory of Chemicals (NZIoC):  All components are listed or exempted.								
Phillipines inventory (PICCS):	All components are	e listed or ex	empted.					

## **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.

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