Safety Data Sheet

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier	
Product Name	 I.S.O.Stick[™] Insulation Adhesive Part 1
1.2 Relevant identified	uses of the substance or mixture and uses advised against
Relevant identified use(s)	Construction Adhesive
1.3 Details of the suppli	ier of the safety data sheet
Manufacturer	 Firestone Building Products Company
	250 West 96th Street Indianapolis, IN 46260 United States
Telephone (Genera	firestonemsds@bfdp.com al) • 800-428-4442
1.4 Emergency telepho	ne number
Manufacturer	• (800) 424-9300 - CHEMTREC
Manufacturer	 (703) 527-3887 - CHEMTREC - International

Section 2: Hazards Identification

EU/EEC

According to Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010] According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP	 Skin Irritation 2 - H315 Skin Sensitization 1 - H317 Eye Irritation 2 - H319 Acute Toxicity Inhalation 3 - H331 Respiratory Sensitization 1 - H334 Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation - H335 Carcinogenicity 2 - H351 Specific Target Organ Toxicity Repeated Exposure 2 - H373
DSD/DPD	 Harmful (Xn) Irritant (Xi) Carcinogenic Substances - Category 3 R20, R36/37/38, R40, R42/43, R48/20
2.2 Label Elements	

CLP

DANGER



Hazard statements .

- H315 Causes skin irritation
 - H317 May cause an allergic skin reaction
 - H319 Causes serious eye irritation
 - H331 Toxic if inhaled
 - H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary s

	H335 - May cause respiratory irritation H351 - Suspected of causing cancer. H373 - May cause damage to organs through prolonged or repeated exposure.
onary statements	
Prevention •	 P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P260 - Do not breathe mist/vapours/spray. P264 - Wash 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. P281 - Use personal protective equipment as required. P285 - In case of inadequate ventilation wear respiratory protection.
Response .	 P304+P341 - IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. P311 - Call a POISON CENTER or doctor/physician. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P362 - Take off contaminated clothing and wash before reuse. P332+P313 - If skin irritation occurs: Get medical advice/attention. 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 exposed or concerned: Get medical advice/attention. P308+P313 - IF exposed or concerned: Get medical advice/attention.
Storage/Disposal •	•
	××
Risk phrases _•	 R20 - Harmful by inhalation. R36/37/38 - Irritating to eyes, respiratory system and skin. R40 - Limited evidence of a carcinogenic effect. R42/43 - May cause sensitisation by inhalation and skin contact. R48/20 - Harmful: danger of serious damage to health by prolonged exposure through

R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Safety phrases S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S36 - Wear suitable protective clothing. S37 - Wear suitable gloves. S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S53 - Avoid exposure - obtain special instructions before use.

2.3 Other Hazards CLP

DSD/DPD

- According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.
- DSD/DPD According to European Directive 1999/45/EC this material is considered dangerous.

United States (US) According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012	 Skin Irritation 2 - H315 Skin Sensitization 1A - H317 Eye Irritation 2 - H319 Acute Toxicity Inhalation 2 - H330 Respiratory Sensitization 1A - H334 Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation - H335 Specific Target Organ Toxicity Repeated Exposure 1 - H372

2.2 Label elements

OSHA HCS 2012

DANGER



Hazard statements •	Causes skin irritation - H315 May cause an allergic skin reaction - H317 Causes serious eye irritation - H319 Fatal if inhaled - H330 May cause allergy or asthma symptoms or breathing difficulties if inhaled - H334 May cause respiratory irritation - H335 Causes damage to organs - Lungs through prolonged or repeated exposure - H372
Precautionary statements	
Prevention •	Do not breathe mist/vapours/spray P260 Wash thoroughly after handling P264 Do not eat, drink or smoke when using this product P270 Use only outdoors or in a well-ventilated area P271 Contaminated work clothing should not be allowed out of the workplace P272 Wear protective gloves/protective clothing/eye protection/face protection P280 Wear respiratory protection P284 In case of inadequate ventilation wear respiratory protection P285
Response •	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing P304+P341 Immediately call a POISON CENTER or doctor/physician P310 Specific treatment is urgent (see supplemental first aid instructions on this label) P320 If on skin: Wash with plenty of water . Take off contaminated clothing and wash before reuse P362 If skin irritation or rash occurs: Get medical advice/attention P333+P313 Specific treatment, see supplemental first aid information P321 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing P305+P351+P338 If eye irritation persists: Get medical advice/attention P337+P313 Get medical advice/attention if you feel unwell P314
Storage/Disposal •	Store in a well-ventilated place. Keep container tightly closed P403+P233 Dispose of content and/or container in accordance with local, regional, national, and/or international regulations P501
Supplemental information $_{ullet}$	45.1 percent of this product consists of an ingredient of unknown toxicity.
2.3 Other hazards	
OSHA HCS 2012 •	Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

2.1 Classification of the substance or mixture

WHMIS

- Very Toxic D1A Other Toxic Effects - D2A Other Toxic Effects - D2B
- 2.2 Label elements WHMIS



 Very Toxic - D1A Other Toxic Effects - D2A Other Toxic Effects - D2B

2.3 Other hazards WHMIS

 In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

3.1 Substances

 Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008.

3.2 Mixtures

	Composition							
Chemical Name Identifiers % LD50/LC50 Classifications According to Regulation/Directive C								
Polymethylene polyphenyl isocyanate	ethylene enyl isocyanate CAS:9016-87-9 < <pre></pre>				NDA			
Isocyanic acid, methylenedi-p- phenylene ester	nedi-p- 966-0 38% NDA			EU DSD/DPD: Annex VI, Table 3.2: Xn R20-48/20 X; R36/37/38 Carc.Cat.3 R40 R42/43 EU CLP: Annex VI, Table 3.1: Carc. 2, H351; Acute Tox. 4, H332; STOT RE 2, H373; Eye Irrit. 2, H319; STOT SE 3: Resp. Irrit., H335; Skin Irrit. 2, H315; Resp. Sens. 1, H334; Skin Sens. 1, H317 OSHA HCS 2012: Skin Irrit. 2; Eye Irrit. 2; Skin Sens. 1; Resp. Sens. 1; STOT SE 3: Resp. Irrit.; STOT RE 1 (Lungs)	NDA			
Diphenylmethane diisocyanate CAS:26447-40- 5 EC Number:247- 714-0 < NDA		NDA	EU DSD/DPD: Annex VI, Table 3.2: Xn R20-48/20 Xi R36/37/38 Carc.Cat.3 R40 R42/43 EU CLP: Annex VI, Table 3.1: Carc. 2, H351; Acute Tox. 4, H332; STOT RE 2, H373; Eye Irrit. 2, H319; STOT SE 3: Resp. Irrit., H335; Skin Irrit. 2, H315; Resp. Sens. 1, H334; Skin Sens. 1, H317	NDA				

EU Index: 615- 005-00-9	OSHA HCS 2012: Eye Irrit. 2; STOT SE 3: Resp. Irrit.; Skin Irrit. 2; Resp. Sens. 1A; Skin Sens. 1A; STOT RE 1
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Section 4 - First Aid Measures

action E Firefighting Mason

4.1 Description of first aid measures

Inhalation	 Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Get medical attention immediately.
Skin	 In case of contact with substance, immediately flush skin with running water for at least 20 minutes. If irritation develops and persists, get medical attention. Wash contaminated clothing before reuse.
Eye	 In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. If eye irritation persists: Get medical advice/attention.
Ingestion	 Do NOT induce vomiting. Obtain medical attention immediately if ingested.
4.2 Most important sym	ptoms and effects, both acute and delayed
	 Refer to Section 11 - Toxicological Information.
4.3 Indication of any im	mediate medical attention and special treatment needed
Notes to Physician	• All treatments should be based on observed signs and symptoms of distress in the

•	All treatments should be based on observed signs and symptoms of distress in the
	patient. Consideration should be given to the possibility that overexposure to materials
	other than this product may have occurred.

Section 5 - Firengnting N	Section 5 - Firenghting measures							
5.1 Extinguishing media								
Suitable Extinguishing Media	 LARGE FIRE: Water spray, fog or regular foam. SMALL FIRES: Dry chemical, CO2, water spray or regular foam. 							
Unsuitable Extinguishing Media	No data available.							
5.2 Special hazards arisi	ng from the substance or mixture							
Unusual Fire and Explosion Hazards	 Some may burn but none ignite readily. MDI reacts exothermically with water, which may create excessive pressure in containers. Containers may explode when heated. 							
Hazardous Combustion Products	Carbon Dioxide, Carbon Monoxide, Nitrogen Oxide, Isocyanate Vapors and Mist, Traces of HCN							
5.3 Advice for firefighters	i de la constante de la constan							
	 Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA). Move containers from fire area if you can do it without risk. LARGE FIRES: Cool containers with flooding quantities of water until well after fire is out. 							

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions

• Do not walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe mist/vapours/spray. Avoid contact with skin, eyes, and clothing.

Emergency Procedures • Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering.

6.2 Environmental precautions

• Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures
• Stop leak if you can do it without risk. SMALL SPILLS: Take up with sand or other non-combustible absorbent material and place into containers for later disposal. LARGE SPILLS: Dike far ahead of liquid spill for later disposal. Never return spills in original containers for re-use.

6.4 Reference to other sections

• Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling

• Use only in well ventilated areas. Wear appropriate personal protective equipment, avoid direct contact. Do not breathe mist, vapors, spray. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco.

7.2 Conditions for safe storage, including any incompatibilities

Storage

• Keep material dry. Do not expose to moisture - reaction may result if exposed to moisture which may be violent. Keep container tightly closed.

7.3 Specific end use(s)

• Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines								
	Result	ACGIH Belgium Canada Alberta Canada British Columbia				Canada Manitoba		
Isocyanic acid, methylenedi-p- phenylene ester (101-68-8)	TWAs	0.005 ppm TWA (listed under Methylene bisphenyl isocyanate (MDI))	0.005 ppm TWA; 0.052 mg/m3 TWA	0.005 ppm TWA; 0.05 mg/m3 TWA	0.005 ppm TWA (listed under Methylene bisphenyl isocyanate (MDI))	0.005 ppm TWA (listed under Methylene bisphenyl isocyanate (MDI))		
	Ceilings	Not established Not established		Not established	0.01 ppm Ceiling (listed under Methylene bisphenyl isocyanate (MDI))	Not established		
Polymethylene polyphenyl isocyanate (9016-87-9)	TWAs	Not established	Not established	t established 0.005 ppm TWA; 0.07 mg/m3 TWA		Not established		
	Exposure Limits/Guidelines (Con't.)							
	Result	Canada New Brunswick	Canada Northwest Territories	Canada Nova Scotia	Canada Nunavut	Canada Ontario		
Diphenylmethane diisocyanate (26447-40-5)	Ceilings	Not established	0.02 ppm Ceiling; 0.2 mg/m3 Ceiling	Not established	0.02 ppm Ceiling; 0.2 mg/m3 Ceiling	Not established		

TWAs	0.005 ppm TWA (listed under Methylene bisphenyl isocyanate); 0.051 mg/m3 TWA (listed under Methylene bisphenyl isocyanate)	Not esta	ablished	0.005 ppm T (listed under Methylene bi isocyanate (N	sphenyl	Not established		(designated substances regulation, listed under Isocyanates, organic compounds (Methylene bisphenyl isocyanate (MDI))); 0.005 ppm TWA (applies to workplaces to which the designated substances regulation does not apply, listed under Methylene bisphenyl isocyanate (MDI))	
Ceilings	Not established	Not esta	ablished	lished Not established		Not established		0.02 ppm Ceiling (designated substances regulation, listed under Isocyanates, organic compounds (Methylene bisphenyl isocyanate (MDI)))	
Exposure Limits/Guidelines (Con't.)									
Result	Canada Quebec	-		Canada Y	(ukon	China		Denmark	
STELs	Not established	Not esta	blished Not establishe		ed	0.1 mg/m3 STEL		Not established	
TWAs	0.005 ppm TWAEV; 0.051 mg/m3 TWAEV	005 ppm TWAEV; (listed un 051 mg/m3 TWAEV Methyler		nder ne bisphenyl		0.05 mg/m3 TWA		0.005 ppm TWA; 0.05 mg/m3 TWA	
Ceilings	Not established	Not esta	blished	0.02 ppm Ceiling (Methylene bisphenyl isocyanate (MDI)); 0.2 mg/m3 Ceiling (Methylene bisphenyl isocyanate (MDI))		Not established		Not established	
	E	cposure	Limits/Gui	delines (Co	on't.)				
Res	ult Germany DI	G	Germany	TRGS		NIOSH		OSHA	
Diphenylmethane diisocyanate (26447-40-5)			Not establishe		Not established		0.02 ppm Ceiling; 0.2 mg/m3 Ceiling		
Ceili				ed	0.020 ppm Ceiling (10 min); 0.2 mg/m3 Ceiling (10 min)			ppm Ceiling; 0.2 n3 Ceiling	
τw	TWAs Not established		(The risk of dar the embryo or can be exclude AGW and BGV are observed,		0.005 ppm TWA (listed under Methylene bisphenyl isocyanate); 0.05 mg/m3 TWA		Not established		
	Result STELS TWAS Ceilings Ceili	bisphenyl isocyanate)CeilingsNot establishedCeilingsNot establishedSTELsNot establishedTWAS 0.005 ppm TWAEV; 0.051 mg/m3 TWAEVCeilingsNot establishedCeilingsNot establishedCeilingsNot establishedCeilingsNot establishedTWAS 0.055 mg/m3 Peak (inhalable fraction)TWASNot established	bisphenyl bisphenyl iso <yanate)< td=""> ceilings Not established Not established Not established Not established STELs Not established STELs Not established Stellings Not established Stellings Not established</yanate)<>	bisphenylisocyanate) bisphenylisocyanate) ceilings Not established Not established Ceilings Not established Not established Result Canada Quebec Canada Saskatchewan STELs Not established Not established TWAs 0.005 ppm TWAEV; 0.051 mg/m3 TWAEV 0.005 ppm TWA (listed under Methylene bisphenyl isocyanate (MDI))) Ceilings Not established Not established V Germany DFG Germany Geilings Not established Not established Image: Not established Not established Not established V Ceilings Not established Not established Image: Not established Not established Not established Image: Not established Not established Not established Image: Not established Not established Soft din the embryo ocan be exclu AGW and BG are observed factor 2, exp	bisphenyl isocyanate) bisphenyl isocyanate) bisphenyl isocyanate) Not established Not established Ceilings Not established Not established Not established Not established Result Canada Quebec Canada Saskatchewan Canada Y STELs Not established Not established Not established TWAs 0.005 ppm TWAEV; 0.051 mg/m3 TWAEV 0.005 ppm TWAEV; (listed under Methylene bisphenyl) isocyanate (MDI)) Not established Ceilings Not established Not established Not established Not established Not established Not established Not established Ceilings Not established Not established 0.02 ppm Cei (Methylene bisocyanate (fi 0.2 mg/m3 Cei (Methylene bisocyanate (fi 0.2	bisphenyl isocyanate) bisphenyl isocyanate) Not established Not established Ceilings Not established Not established Not established Result Canada Quebec Canada Saskatchewan Canada Yukon STELs Not established Not established Not established TWAs 0.005 ppm TWAEV; 0.051 mg/m3 TWAEV; 0.051 mg/m3 TWAEV Not established Not established Ceilings Not established Not established Not established Not established Not established 0.02 ppm Ceiling (Methylene bisphenyl isocyanate (MDI)); 0.2 mg/m3 Ceiling (Methylene bisphenyl isocyanate (MDI)) Eceilings Not established Not established Not established Ceilings Not established Not established Not established Not established Ceilings Not established Not established Not established 0.020 pp min; 0.2 (10 min) TWAs Not established Not established 0.05 mg/m3 TWA AGW (The risk of damage to	bisphenyl isocyanate) bisphenyl isocyanate) Not established Not established Not established Ceilings Not established Not established Not established Not established Result Canada Quebec Canada Saskatchewan Canada Yukon China STELs Not established Not established Not established Not established 0.1 mg/m3 STEL TWAs 0.005 ppm TWAEV; 0.051 mg/m3 TWAEV 0.005 ppm TWAEV; 0.051 mg/m3 TWAEV Not established Not established 0.05 mg/m3 TWA Ceilings Not established Not established Not established Not established Not established Not established Ceilings Not established Not established Not established Not established Not established Ceilings Not established Not established Not established Not established Not established Ceilings Not established Not established Not established Not established Not established Ceilings Not established Not established Not established Not established Not established TWAs Not established Not establ	bisphenyl isocyanate) bisphenyl isocyanate) bisphenyl isocyanate) bisphenyl isocyanate) bisphenyl isocyanate) bisphenyl isocyanate bisphenyl isocyanate	

	MAKs	(see also polymeric MDI, inhalable fraction)	Not established	Not established	Not established
Polymethylene polyphenyl isocyanate (9016-87-9)	TWAs	Not established	0.05 mg/m3 TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, inhalable fraction, as MDI, exposure factor 1)	Not established	Not established
	Ceilings	0.05 mg/m3 Peak (inhalable fraction)	Not established	Not established	Not established
	MAKs	0.05 mg/m3 TWA MAK (inhalable fraction)	Not established	Not established	Not established

Exposure Control Notations

Germany TRGS

•Polymethylene polyphenyl isocyanate (9016-87-9): **Carcinogens:** (Category 3 (as inhalable aerosol, alveola fraction)) | **Developmental Toxins:** (Based on current data, this substance cannot be classified in categories 1-3 (as inhalable aerosol, alveoli fraction)) | **Reproductive Toxins:** (Based on current data, this substance cannot be classified in categories 1-3 (as inhalable aerosol, alveola fraction)) | **Germ Cell Mutagens:** (Based on current data, this substance cannot be classified in categories 1-3 (as inhalable aerosol, alveola fraction)) | **Germ Cell Mutagens:** (Based on current data, this substance cannot be classified in categories 1-3 (as inhalable aerosol, alveola fraction)) | **Skin:** (skin notation (calculated as MDI))

•Isocyanic acid, methylenedi-p-phenylene ester (101-68-8): **Carcinogens:** (Category 3 (as inhalable aerosol, alveola fraction)) | **Developmental Toxins:** (Based on current data, this substance cannot be classified in categories 1-3 (as inhalable aerosol, alveoli fraction)) | **Reproductive Toxins:** (Based on current data, this substance cannot be classified in categories 1-3 (as inhalable aerosol, alveola fraction)) | **Germ Cell Mutagens:** (Based on current data, this substance cannot be classified in categories 1-3 (as inhalable aerosol, alveola fraction)) | **Germ Cell Mutagens:** (Based on current data, this substance cannot be classified in categories 1-3 (as inhalable aerosol, alveola fraction)) **Germany DFG**

•Polymethylene polyphenyl isocyanate (9016-87-9): **Carcinogens:** (Category 4 (no significant contribution to human cancer)) | **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to (inhalable fraction)) | **Sensitizers:** (respiratory and skin sensitizer (inhalable fraction)) | **Skin:** (skin notation)

•Isocyanic acid, methylenedi-p-phenylene ester (101-68-8): **Carcinogens:** (Category 4 (no significant contribution to human cancer)) | **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to (inhalable fraction, see also polymeric MDI)) | **Sensitizers:** (respiratory and skin sensitizer (inhalable fraction)) | **Skin:** (skin notation)

8.2 Exposure controls

Engineering Measures/Controls	ventilation should be used. Ve applicable, use process enclo controls to maintain airborne I	This adhesive is designed to be used outdoors, in roofing applications. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.				
Personal Protective Equipm	ent					
Respiratory	 In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced. 					
Eye/Face	 Wear protective eyewear (gog 	gles, face shield, or safety glasses).				
Skin/Body	 Wear appropriate gloves. Wea 	ar protective clothing				
Environmental Exposure Controls		clear of sewers, waterways or land areas. Dispose of with national and local laws and regulations.				
Key to abbreviations						
ACGIH = American Conference of Gov	vernmental Industrial Hygiene	TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures				
MAK = Maximale Arbeitsplatz Konzentration is the maximum permissible concentration		STEL = Short Term Exposure Limits are based on 15-minute exposures				
NIOSH = National Institute of Occupat OSHA = Occupational Safety and Hea		TWAEV = Time-Weighted Average Exposure Value				

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description

Physical Form Liquid		Appearance/Description	Dark brown liquid with an aromatic odor.	
Color	Dark brown.	Odor	Aromatic	
Odor Threshold	Data lacking			
General Properties				
Boiling Point	>= 200 F(>= 93.3333 C)	Melting Point	Data lacking	
Decomposition Temperature	Data lacking	рН	Data lacking	
Specific Gravity/Relative Density	1.22 Water=1	Water Solubility	Reacts	
Viscosity	150 to 350 Centipoise (cPs, cP) or mPas	Explosive Properties	Data lacking	
Oxidizing Properties:	Data lacking			
Volatility	•	•		
Vapor Pressure	Data lacking	Vapor Density	Data lacking	
Evaporation Rate	Data lacking	VOC (Vol.)	11 g/L EPA Method 24 VOC	
Flammability	•	•		
Flash Point	220 C(428 F) COC (Cleveland Open Cup)	UEL	Data lacking	
LEL	Data lacking	Autoignition	Data lacking	
Flammability (solid, gas)	Not relevant.			
Environmental				
Octanol/Water Partition coefficient	Data lacking			

9.2 Other Information

• No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

• Keep material dry. Do not expose to moisture - reaction may result if exposed to moisture which may be violent.

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

• Violent reaction may occur when exposed to moisture.

10.4 Conditions to avoid

• Excess heat. Incompatible materials. Moisture .

10.5 Incompatible materials

• Reacts with water, with the formation of carbon dioxide. Risk of bursting. Reacts with alcohols, acids, alkalies, and amines. Risk of exothermic reaction. Risk of violent reaction. Contact with certain rubbers and plastics can cause brittleness of the substance with subsequent loss in strength.

10.6 Hazardous decomposition products

 Carbon Dioxide, Carbon Monoxide, Nitrogen Oxide, Isocyanate Vapors and Mist, Traces of HCN

Section 11 - Toxicological Information

11.1 Information on toxicological effects

	Components				
Polymethylene polyphenyl isocyanate (< 55%)	9016- 87-9	Acute Toxicity: Ingestion/Oral-Rat LD50 • 49 g/kg; <i>Behavioral</i> :Somnolence (general depressed activity); <i>Gastrointestinal</i> :Hypermotility, diarrhea; <i>Nutritional and Gross Metabolic</i> :Changes in Chemistry or <i>Temperature</i> :Body temperature decrease; Inhalation-Rat LC50 • 490 mg/m ³ 4 Hour(s); <i>Sense Organs and</i> <i>Special Senses:Eye</i> :Other; <i>Lungs, Thorax, or Respiration</i> :Respiratory depression; <i>Blood</i> :Hemorrhage; Skin- Rabbit LD50 • >9400 mg/kg; Irritation: Eye-Rabbit • 100 mg • Mild irritation; Reproductive: Inhalation-Rat TCLo • 12 mg/m ³ 6 Hour(s)(6-15D preg); <i>Reproductive Effects:Maternal</i> <i>Effects</i> :Other effects; <i>Reproductive Effects:Effects on Embryo or Fetus</i> :Extra embryonic structures; <i>Reproductive Effects:Specific Developmental Abnormalities</i> :Musculoskeletal system			
Isocyanic acid, methylenedi-p- phenylene ester (38%)	101- 68-8	Acute Toxicity: Ingestion/Oral-Rat LD50 • 9200 mg/kg; Behavioral:Somnolence (general depressed activity); Behavioral:Ataxia; Nutritional and Gross Metabolic:Changes in Chemistry or Temperature:Body temperature decrease; Irritation: Eye-Rabbit • 100 mg • Moderate irritation; Skin-Rabbit • 500 mg 24 Hour(s)			

GHS Properties	Classification
Acute toxicity	EU/CLP • Acute Toxicity - Inhalation 3 - ATEmix(inhl)=0.703 mg/L OSHA HCS 2012 • Acute Toxicity - Inhalation 2 - ATEmix(inhl)=0.49 mg/L
Aspiration Hazard	EU/CLP • Data lacking OSHA HCS 2012 • Data lacking
Carcinogenicity	EU/CLP • Carcinogenicity 2 OSHA HCS 2012 • Data lacking
Germ Cell Mutagenicity EU/CLP • Data lacking OSHA HCS 2012 • Data lacking	
Skin corrosion/Irritation EU/CLP • Skin Irritation 2 OSHA HCS 2012 • Skin Irritation 2	
Skin sensitization	EU/CLP • Skin Sensitizer 1 OSHA HCS 2012 • Skin Sensitizer 1A
STOT-RE	EU/CLP • Specific Target Organ Toxicity Repeated Exposure 2 OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 1
STOT-SE	EU/CLP • Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Respiratory Tract Irritation
Toxicity for Reproduction EU/CLP • Data lacking OSHA HCS 2012 • Data lacking	
Respiratory sensitization	EU/CLP • Respiratory Sensitizer 1 OSHA HCS 2012 • Respiratory Sensitizer 1A
Serious eye damage/Irritation EU/CLP • Eye Irritation 2 OSHA HCS 2012 • Eye Irritation 2	

Potential Health Effects

Inhalation

Acute (Immediate)

Chronic (Delayed)

Skin

Acute (Immediate)

Chronic (Delayed)

Eye

Acute (Immediate)

- Chronic (Delayed)
- Ingestion Acute (Immediate)

Chronic (Delayed) Other

Chronic (Delayed)

Carcinogenic Effects

Key to abbreviations

LC = Lethal Concentration LD = Lethal Dose TC = Toxic Concentration

- Toxic if inhaled. May cause respiratory irritation.
- May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- Causes skin irritation. May cause skin sensitization. Symptoms include redness and skin rash.
- No data available.
- Causes serious eye irritation.
- No data available.
- Ingesting large amounts may cause gastrointestinal disturbances including diarrhea, nausea, and vomiting.
- No data available.
- Tissue injury in the upper respiratory tract and lungs has been observed in laboratory animals after repeated excessive exposures to MDI/polymeric MDI aerosols.
- Repeated and prolonged exposure may cause cancer.

Section 12 - Ecological Information

12.1 Toxicity

• Material data lacking.

12.2 Persistence and degradability

- Material data lacking.
- 12.3 Bioaccumulative potential
 - Material data lacking.
- 12.4 Mobility in Soil
- Material data lacking.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.
- 12.6 Other adverse effects
 - No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste	• Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
Packaging waste	• Dispose of content and/or container in accordance with local, regional, national, and/or

international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not Regulated	NDA	NDA	NDA
TDG	NDA	Not Regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not Regulated	NDA	NDA	NDA
ADN	NDA	Not Regulated	NDA	NDA	NDA
ADR/RID	NDA	Not Regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not Regulated	NDA	NDA	NDA

14.6 Special precautions for • user

• None specified.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Data lacking.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • Acute, Chronic

State Right To Know				
Component	CAS	МА	NJ	PA
Diphenylmethane diisocyanate	26447-40-5	Yes	Yes	No
Isocyanic acid, methylenedi-p- phenylene ester	101-68-8	No	No	Yes
Polymethylene polyphenyl isocyanate	9016-87-9	No	Yes	No

Inventory						
Component	CAS	Canada DSL	Canada NDSL	China	EU EINECS	EU ELNICS
Diphenylmethane diisocyanate	26447-40-5	Yes	No	Yes	Yes	No
Isocyanic acid, methylenedi-p- phenylene ester	101-68-8	Yes	No	Yes	Yes	No
Polymethylene polyphenyl isocyanate	9016-87-9	Yes	No	Yes	No	No

Inventory (Con't.)				
Component	CAS	Japan ENCS	Korea KECL	TSCA
Diphenylmethane diisocyanate	26447-40-5	Yes	Yes	Yes
Isocyanic acid, methylenedi-p- phenylene ester	101-68-8	Yes	Yes	Yes
Polymethylene polyphenyl isocyanate	9016-87-9	Yes	Yes	Yes

Australia

Labor			
Australia - Work Health and Safety Regulations - Hazardous Substances	s Requiring Health Monito	•	
Diphenylmethane diisocyanate	26447-40-5	Not Listed	
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	Not Listed	
 Polymethylene polyphenyl isocyanate 	9016-87-9	Not Listed	
Australia - High Volume Industrial Chemicals List			
Diphenylmethane diisocyanate	26447-40-5	Not Listed	
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8		
Polymethylene polyphenyl isocyanate	9016-87-9		
Australia - List of Designated Hazardous Substances - Classification			
Diphenylmethane diisocyanate	26447-40-5	Xn, Xi Carc.Cat.3 R40, R20, R48/20, R36/37/38, R42/43	
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	Xn, Xi Carc.Cat.3 R40, R20, R48/20, R36/37/38, R42/43	
Polymethylene polyphenyl isocyanate	9016-87-9	Xn, Xi R20, R36/37/38, R42	
Environment Australia - National Pollutant Inventory (NPI) Substance List			
Diphenylmethane diisocyanate	26447-40-5	Not Listed	
Isocyanic acid, methylenedi-p-phenylene ester	101-68-8	10 tonne/yr Threshold category 1	
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed	
Australia - Ozone Protection Act - Scheduled Substances			
Diphenylmethane diisocyanate	26447-40-5	Not Listed	
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	Not Listed	
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed	
Australia - Priority Existing Chemical Program			
 Diphenylmethane diisocyanate 	26447-40-5	Not Listed	
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	Candidate chemical	
Polymethylene polyphenyl isocyanate	9016-87-9	Candidate chemical	

Belgium

Labor Belgium - Substances and Preparations - Carcinogens and Mutagens		
Diphenylmethane diisocyanate	26447-40-5	Not Listed
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	Not Listed
 Polymethylene polyphenyl isocyanate 	9016-87-9	Not Listed

Bulgaria

Environment		
Bulgaria - Air Quality - Maximum Admissible Hazardous Contar	ninant Levels - 24 Hour	
 Diphenylmethane diisocyanate 	26447-40-5	Not Listed
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	Not Listed
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
Bulgaria - Air Quality - Maximum Admissible Hazardous Contar	ninant Levels - 30 Minute	
 Diphenylmethane diisocyanate 	26447-40-5	Not Listed
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	Not Listed
 Polymethylene polyphenyl isocyanate 	9016-87-9	Not Listed
Bulgaria - Air Quality - Maximum Admissible Hazardous Contar	ninant Levels - Annual	
Diphenylmethane diisocyanate	26447-40-5	Not Listed
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	Not Listed
 Polymethylene polyphenyl isocyanate 	9016-87-9	Not Listed

Canada

Canada - WHMIS - Classifications of Substances		
Diphenylmethane diisocyanate	26447-40-5	Not Listed
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	D1A, D2A, D2B
Polymethylene polyphenyl isocyanate	9016-87-9	D1A, D2A, D2B
Canada - WHMIS - Ingredient Disclosure List		
 Diphenylmethane diisocyanate 	26447-40-5	Not Listed
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	0.1 %
 Polymethylene polyphenyl isocyanate 	9016-87-9	Not Listed

Environment Canada - CEPA - Priority Substances List		
 Diphenylmethane diisocyanate 	26447-40-5	Not Listed
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	Not Listed
 Polymethylene polyphenyl isocyanate 	9016-87-9	Not Listed

China

⊂ Other		
China - Annex I & II - Controlled Chemicals Lists		
Diphenylmethane diisocyanate	26447-40-5	Not Listed
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	Not Listed
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed

Denmark

Environment		
Denmark - List of Undesirable Substances - Product Groups/Function		
		Binders (listed under Certain
		isocyanates); Curing agents
		(listed under Certain
		isocyanates); Glues (listed
Diphenylmethane diisocyanate	26447-40-5	under Certain isocyanates); Paints (listed under Certain

		isocyanates); Coatings (listed under Certain isocyanates); Molding compounds (listed under Certain isocyanates)	
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	Binders; Curing agents; Glues; Paints; Coatings; Molding compounds	
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed	

Europe

Other EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification		
Diphenylmethane diisocyanate	26447-40-5	Xn; R20-48/20 Xi; R36/37/38 Carc.Cat.3; R40 R42/43
Isocyanic acid, methylenedi-p-phenylene ester	101-68-8	Xn; R20-48/20 Xi; R36/37/38 Carc.Cat.3; R40 R42/43
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits		
Diphenylmethane diisocyanate	26447-40-5	5%<=C: Xi; R:36/37/38 0.1% <=C: R:42
Isocyanic acid, methylenedi-p-phenylene ester	101-68-8	5%<=C: Xi; R:36/37/38 0.1% <=C: R:42
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling		
Diphenylmethane diisocyanate	26447-40-5	Xn R:20-36/37/38-40-42/43- 48/20 S:(1/2)-23-36/37-45
Isocyanic acid, methylenedi-p-phenylene ester	101-68-8	Xn R:20-36/37/38-40-42/43- 48/20 S:(1/2)-23-36/37-45
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations		
Diphenylmethane diisocyanate	26447-40-5	C, 2
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	C, 2
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases		
Diphenylmethane diisocyanate	26447-40-5	S:(1/2)-23-36/37-45
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	S:(1/2)-23-36/37-45
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed

Germany

Diphenylmethane diisocyanate	26447-40-5	Not Listed
Isocyanic acid, methylenedi-p-phenylene ester	101-68-8	Not Listed
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
many - Immission Control - Qualifying Quantities for Safety	Reporting	
phenylmethane diisocyanate	26447-40-5	Not Listed
	101-68-8	Not Listed
socyanic acid, methylenedi-p-phenylene ester	101-00-0	NOT LISTED

Germany - TRGS 505 - Specific Lead Regulations

Diphenylmethane diisocyanate	26447-40-5	Not Listed
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	Not Listed
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
Germany - TRGS 511 - Specific Ammonium Nitrate Regulations		
Diphenylmethane diisocyanate	26447-40-5	Not Listed
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	Not Listed
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
nvironment		
Germany - TA Luft - Types and Classes		
Diphenylmethane diisocyanate	26447-40-5	Not Listed
Isocyanic acid, methylenedi-p-phenylene ester	101-68-8	organic Substance: 5.2.5, Class I
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
Germany - TA Luft - Emission Limits for Carcinogenic Substances		
Diphenylmethane diisocyanate	26447-40-5	Not Listed
Isocyanic acid, methylenedi-p-phenylene ester	101-68-8	Not Listed
 Polymethylene polyphenyl isocyanate 	9016-87-9	Not Listed
Germany - TA Luft - Emission Limits for Fibers		
Diphenylmethane diisocyanate	26447-40-5	Not Listed
Isocyanic acid, methylenedi-p-phenylene ester	101-68-8	Not Listed
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
	5010 07 5	Not Listou
Germany - TA Luft - Emission Limits for Inorganic Dusts		
Diphenylmethane diisocyanate	26447-40-5	Not Listed
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	Not Listed
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
Germany - TA Luft - Emission Limits for Inorganic Gases		
Diphenylmethane diisocyanate	26447-40-5	Not Listed
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	Not Listed
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
Germany - TA Luft - Emission Limits for Organic Substances		
Diphenylmethane diisocyanate	26447-40-5	Not Listed
Isocyanic acid, methylenedi-p-phenylene ester	101-68-8	0.10 kg/h Mass flow (Class I 20 mg/m3 Mass concentratio
Polymethylene polyphenyl isocyanate	9016-87-9	(Class I) Not Listed
	9010-07-9	NOT LISTED
Germany - Water Classification (VwVwS) - Annex 1		
Diphenylmethane diisocyanate	26447-40-5	Not Listed
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	Not Listed
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes		
Diphenylmethane diisocyanate	26447-40-5	Not Listed
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	ID Number 635, hazard class - low hazard to waters
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
Cormony Water Classification (//w//wS) Annoy 2		

Germany - Water Classification (VwVwS) - Annex 3

Diphenylmethane diisocyanate	26447-40-5	ID Number 8322, hazard class 1 - low hazard to waters
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	Not Listed
 Polymethylene polyphenyl isocyanate 	9016-87-9	Not Listed

United	States
0	0.0.00

Labor U.S OSHA - Process Safety Management - Highly Hazardous Chemicals		
Diphenylmethane diisocyanate	26447-40-5	Not Listed
Isocyanic acid, methylenedi-p-phenylene ester	101-68-8	Not Listed
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
U.S OSHA - Specifically Regulated Chemicals		
Diphenylmethane diisocyanate	26447-40-5	Not Listed
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	Not Listed
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
Environment		
U.S CAA (Clean Air Act) - 1990 Hazardous Air Pollutants		
Diphenylmethane diisocyanate	26447-40-5	Not Listed
· lagguagia goid methylangdi p phonylang gotar	101 69 9	(listed under Methylene
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	diphenyl diisocyanate)
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
U.S CERCLA/SARA - Hazardous Substances and their Reportable Quantities		
Diphenylmethane diisocyanate	26447-40-5	Not Listed
Isocyanic acid, methylenedi-p-phenylene ester	101-68-8	5000 lb final RQ; 2270 kg final RQ
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
U.S CERCLA/SARA - Radionuclides and Their Reportable Quantities		
Diphenylmethane diisocyanate	26447-40-5	Not Listed
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	Not Listed
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs		
Diphenylmethane diisocyanate	26447-40-5	Not Listed
Isocyanic acid, methylenedi-p-phenylene ester	101-68-8	Not Listed
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
U.S CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs		
Diphenylmethane diisocyanate	26447-40-5	Not Listed
Isocyanic acid, methylenedi-p-phenylene ester	101-68-8	Not Listed
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
U.S CERCLA/SARA - Section 313 - Emission Reporting		
Diphenylmethane diisocyanate	26447-40-5	Not Listed
· · · ·		1.0 % de minimis
Isocyanic acid, methylenedi-p-phenylene ester	101-68-8	concentration (listed under Chemical Category N120, Diisocyanates)
Polymethylene polyphenyl isocyanate	9016-87-9	1.0 % de minimis concentration (listed under Chemical Category N120, Diisocyanates)

U.S CERCLA/SARA - Section 313 - PBT Chemical Listing		
Diphenylmethane diisocyanate	26447-40-5	Not Listed
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	Not Listed
 Polymethylene polyphenyl isocyanate 	9016-87-9	Not Listed

United States - California

vironment		
.S California - Proposition 65 - Carcinogens List	26447 40 5	Not Listed
Diphenylmethane diisocyanate	26447-40-5 101-68-8	Not Listed
lsocyanic acid, methylenedi-p-phenylene ester		
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
J.S California - Proposition 65 - Developmental Toxicity		
Diphenylmethane diisocyanate	26447-40-5	Not Listed
Isocyanic acid, methylenedi-p-phenylene ester	101-68-8	Not Listed
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
J.S California - Proposition 65 - Maximum Allowable Dose Levels (MADL)		
Diphenylmethane diisocyanate	26447-40-5	Not Listed
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	Not Listed
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
J.S California - Proposition 65 - No Significant Risk Levels (NSRL)		
Diphenylmethane diisocyanate	26447-40-5	Not Listed
Isocyanic acid, methylenedi-p-phenylene ester	101-68-8	Not Listed
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
J.S California - Proposition 65 - Reproductive Toxicity - Female		
Diphenylmethane diisocyanate	26447-40-5	Not Listed
Isocyanic acid, methylenedi-p-phenylene ester	101-68-8	Not Listed
Polymethylene polyphenyl isocyanate	9016-87-9	Not Listed
10 Colifornia Brancoltian CE. Denneductive Toxisity, Mol-		
J.S California - Proposition 65 - Reproductive Toxicity - Male	06447 40 5	Notlistad
Diphenylmethane diisocyanate	26447-40-5	Not Listed
Isocyanic acid, methylenedi-p-phenylene ester	101-68-8	Not Listed
 Polymethylene polyphenyl isocyanate 	9016-87-9	Not Listed

United States - Pennsylvania

U.S Pennsylvania - RTK (Right to Know) - Environmental Hazard List		
 Diphenylmethane diisocyanate 	26447-40-5	Not Listed
 Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	
 Polymethylene polyphenyl isocyanate 	9016-87-9	Not Listed
U.S Pennsylvania - RTK (Right to Know) - Special Hazardous Substand		NI 211 2 1
	26447-40-5	Not Listed
Diphenylmethane diisocyanate		
 Diphenylmethane diisocyanate Isocyanic acid, methylenedi-p-phenylene ester 	101-68-8	Not Listed

15.2 Chemical Safety Assessment

• No Chemical Safety Assessment has been carried out.

Section 16 - Other Information

Relevant Phrases (code & full text)

Last Revision Date

Preparation Date

- Disclaimer/Statement of Liability
- H332 Harmful if inhaled 18/September/2014

H330 - Fatal if inhaled

• 06/January/2012

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Key to abbreviations

NDA = No Data Available