

Protect-All® 295 Adhesive Part B

SECTION 1

PRODUCT AND COMPANY IDENTIFICATION

Product Name: Protect-All® 295 Adhesive Part B
Version: 1
Identifier 1: PA-295 Part B
Identifier 2: N/A
Product Type: Curing Agent
Product Use: Protect-All® classic and designer series sheets, rolls, and tiles.

Company Information: Oscoda Plastics®, Inc.
 5585 N. Huron Ave
 Oscoda, MI 48750
 Phone: (989) 739-6900
 Internet Address: www.oscodaplastics.com

24 Hour Emergency Contact: INFOTRAC
 1-800-535-5053 (US & Canada)
 1-352-323-3500 (International)

SECTION 2

HAZARD(S) IDENTIFICATION

Hazard Classification: **Health Hazards**
 Skin Irritation, Category 2
 Skin Sensitization, Category 1
 Eye Irritation, Category 2A
 Acute Toxicity Inhalation, Category 4
 Respiratory Sensitizing, Category 1
 Carcinogenicity, Category 2
 Specific Target Organ Toxicity, Single Exposure, Category 3
 Specific Target Organ Toxicity, Repeated Exposure, Category 2

Pictogram(s):



Signal Word: DANGER

Hazard Statements:

H315	- Causes skin irritation.
H317	- May cause an allergic skin reaction.
H319	- Causes serious eye irritation.
H332	- Harmful if inhaled.
H334	- May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	- May cause respiratory irritation.
H351	- Suspected of causing cancer.
H373	- May cause damage to organs (respiratory tract) through prolonged or repeated exposure.

Precautionary Statements:	Prevention	
	P260	- Do not breathe dust/fume/gas/mist/vapors/spray.
	P280	- Wear protective gloves, protective clothing and eye protection.
	Response	
	P302+P352	- IF ON SKIN: Wash with plenty of soap and water.
	P305+P351+P338	- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	Storage	
	P405	- Store locked up.
	Disposal	
	P501	- Dispose of contents/container in accordance with applicable federal, state, and local regulations.

SECTION 3**COMPOSITION/INFORMATION ON INGREDIENTS****Hazardous Ingredients**

Chemical Name	CAS Number	Concentration (%)
Diphenylmethane Diisocyanate, Isomers and Homologues	9016-87-9	50.00 – 100.00
Diphenylmethane-4,4'-Diisocyanate	101-68-8	25.00 – 50.00

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

SECTION 4**FIRST-AID MEASURES**

Eye Contact:	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. If eye irritation persists, get medical attention.
Inhalation:	Move exposed individual(s) to fresh air for 20 minutes. In case of unconsciousness, place patient stably in side position for transportation. Consult a physician/poison center if individual's condition declines or if symptoms persist.
Skin Contact:	Wash off immediately with plenty of water and soap for at least 15 minutes. If symptoms persist, call a physician.
Ingestion:	Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a poison center or doctor/physician immediately.
Most Important Symptoms and Effects, Both Acute and Delayed:	Breathing difficulty, coughing, or asthma attacks.
Protection of First-Aiders:	No action shall be taken involving any personal risk or without suitable training. Use personal protective equipment as required (see Section 8). Show this Safety Data Sheet to the doctor in attendance. Symptoms of poisoning may even occur after several hours; therefore, medical observation should take place for at least 48 hours after the accident.
Notes to Physician:	Treat symptomatically.

SECTION 5**FIRE-FIGHTING MEASURES**

Suitable Extinguishing Media:	Carbon Dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
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Hazardous Combustion Products:	In case of fire, the following can be released: Carbon Monoxide (CO) Nitrogen Oxides (NO _x) Hydrogen Cyanide (HCN) – only trace amounts
Specific Precautionary Methods:	Use fire fighting measures that suit the environment.
Special Protective Equipment for Firefighters:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Do not inhale explosion gases or combustion gases.

SECTION 6**ACCIDENTAL RELEASE MEASURES**

Handling Precautions:	Use personal protection recommended in Section 8. Ensure adequate ventilation. Keep unprotected persons away.
Environmental Precautions:	Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/surface or ground water.
Methods for Containment:	Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation. Ensure adequate ventilation.
Methods for Clean-Up:	See Section 13 for Disposal Considerations.

SECTION 7**HANDLING AND STORAGE**

Handling Precautions:	Handle in accordance with good industrial hygiene and safety practice. Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols. Do not handle until all safety precautions have been read and understood. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product.
Storage Conditions:	Store in properly labeled containers in a dry location. Protect from frost. Keep receptacle tightly sealed.
Incompatible Materials:	None known based on information supplied.

SECTION 8**EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Limits**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Diphenylmethane-4,4'-Diisocyanate	TWA: 0.051 mg/m ³ , 0.005 ppm	TWA: 0.2 mg/m ³ , 0.02 ppm	TWA: 0.05 mg/m ³ , 0.005 ppm TWA: 0.2 mg/m ³ , 0.02 PPM at 10 min

Hygiene Measures:	Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown on Section 4 of this SDS. Launder contaminated clothing before reuse. Keep away from food and beverages.
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Personal Protective Equipment:	Respiratory Protection Not necessary if the room is well-ventilated. Use suitable respiratory protective device in case of insufficient ventilation.
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Eye/Face Protection
Tightly sealed goggles.

Skin and Body Protection

Wear protective gloves and protective clothing. Gloves being worn should be Butyl or Nitrile rubber.

SECTION 9**PHYSICAL AND CHEMICAL PROPERTIES**

Physical State:	Fluid	Ignition Temperature:	752°F (400°C)
Color:	Dark Brown	Decomposition Temperature:	Not Determined
Odor:	Weak, Characteristic	Auto Igniting:	Not Self-Igniting
Flash Point:	394°F (201°C)	Vapor Pressure:	11hPA (8mm HG)
Melting Point:	Not Determined	Viscosity (Dynamic):	220mPas
Freezing Point:	Not Determined	Relative Density:	Not Determined
Boiling Point:	Not Determined	Density:	10.181 lbs/gal (1.22 g/cm ³)
Upper Explosive Limit:	Not Determined	Solvent Content:	0.00%
Lower Explosive Limit:	0.40 Vol %	Solubility:	Not Miscible

SECTION 10**STABILITY AND REACTIVITY**

Reactivity:	Thermal decomposition conditions should be avoided. Decomposition unlikely if used according to specifications.
Possibility of Hazardous Reactions:	Reacts with water. Exothermic reaction with amines and alcohols; reacts with water forming CO ₂ ; in closed containers, risk of bursting owing to increase of pressure.
Conditions to Avoid:	No further relevant information available.
Incompatible Materials:	No further relevant information available.
Hazardous Decomposition Products:	None known.

SECTION 11**TOXICOLOGICAL INFORMATION**

Toxicological Effects:	Irritant to eyes, skin, and mucous membranes. Sensitization possible through inhalation and skin contact.
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Toxicity

Chemical Name	Oral LD ₅₀	Dermal LD ₅₀	Inhalation LC ₅₀
Diphenylmethane Diisocyanate, Isomers and Homologues	> 2000 mg/kg (Rat)	> 9400 mg/kg (Rabbit)	490 mg/l (Rat) 48 h
Diphenylmethane-4,4'-Diisocyanate	> 2000 mg/kg (Rat)	> 9400 mg/kg (Rabbit)	0.368 mg/l (Rat) 4 h

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure:

Chemical Name	ACGIH	IARC	NTP	OSHA
Diphenylmethane Diisocyanate, Isomers and Homologues	-	Group 3	-	-
Diphenylmethane-4,4'-Diisocyanate	-	Group 3	-	-

Legend**ACGIH (American Conference of Governmental Industrial Hygienists)**

A2 - Suspected Human Carcinogen

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

Group 3 IARC components are "not classifiable as human carcinogens"

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

SECTION 12

ECOLOGICAL INFORMATION

Environmental Data

Chemical Name	Algae/Aquatic Plants	Fish	Crustacea
Diphenylmethane Diisocyanate, Isomers and Homologues	> 1000 mg/l Daphnia magna water flea EC ₅₀	> 1000 mg/L 96 h Fish LC ₅₀	-
Diphenylmethane-4,4'-Diisocyanate	> 1000 mg/l Daphnia magna water flea EC ₅₀ > 10 mg/l Daphnia magna water flea NOEC	> 1000 mg/L 96 h Danio rerio zebrafish LC ₅₀	-

Aquatic Toxicity: No further relevant information available.

Persistence/Degradability: Heavily biodegradable.

Bioaccumulation: No further relevant information available.

Mobility: No further relevant information available.

Additional Ecological Information: Water Hazard Class 1 (Self-Assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Other Adverse Effects: No further relevant information available.

SECTION 13

DISPOSAL CONSIDERATIONS

Disposal Methods: If product has aged or solidified, conventional means of disposal are acceptable. Disposal of this product, solutions, and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any federal, state, and local requirements.

SECTION 14

TRANSPORT INFORMATION

Other Information: Non-regulated, not classified as dangerous.

SECTION 15

REGULATORY INFORMATION

TSCA Inventory: The following chemicals within this product are listed as active in the United States Toxic Substances Control Act Section 8(b) Inventory:

Diphenylmethane Diisocyanate, Isomers and Homologues (9016-87-9)
Diphenylmethane-4,4'-Dissocyanate (101-68-8)

SARA 313: Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372. This material contains Diphenylmethane Diisocyanate, Isomers and Homologues (9016-87-9) and Diphenylmethane-4,4'-Dissocyanate (101-68-8).

National Regulations: Technical instructions (air): Class I and share in 50-100%.

Carcinogenetic Categories: Environmental Protection Agency (EPA)
Diphenylmethane Diisocyanate, Isomers and Homologues (9016-87-9) CBD
Diphenylmethane-4,4'-Dissocyanate (101-68-8) D, CBD

California Prop 65: This product does not contain a chemical known to the State of California to cause cancer or reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16

OTHER INFORMATION

NFPA:	Health Hazards 2	Flammability 1	Reactivity 0	Special Hazards Not determined
WHMIS:	Health Hazards 3	Flammability 1	Reactivity 0	Personal Protection Not determined

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