

SECTION 1: Identification and Company Details

Product Name: 1509 Wood and Bamboo Flooring Adhesive
Product Code: R1509
Manufacturer/ Supplier: Roberts Consolidated Industries, Inc.
Address: 300 Cross Plains Blvd.
 Dalton, GA 30721
Emergency Phone: (800) 424-9300 (24-hour Response / CHEMTREC)
Product Information: (706) 277-5294
Recommended Use: Adhesive

SECTION 2: Hazard(s) Identification

OSHA / HCS Status: This material is considered hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Classification of the substance or mixture: RESPIRATORY SENSITIZATION – Category 1
 SKIN SENSITIZATION – Category 1

Signal Word: Danger

Hazard Statements: May cause an allergic skin reaction.
 May cause allergy or asthma symptoms or breathing difficulties if inhaled



Hazard Pictograms:

Precautionary Statements: Avoid breathing vapors. Wear eye protection, protective gloves.
 If on skin: Wash with plenty of soap and water.
 If inhaled: Remove person to fresh air and keep comfortable for breathing
 If skin irritation or rash occurs: Get medical advice/attention

Unknown acute toxicity: Not applicable

SECTION 3: Composition / Information on Ingredients

Name	Product identifier	%	Classification (GHS-US)
Calcium Carbonate	(CAS No) 1317-65-3	61 - 63	Not classified
Diisononyl Phthalate	(CAS No) 68515-48-0	15 - 17	Not classified
Polyether Polyol	(CAS No) 25322-69-4	15 - 17	Not classified
Polymeric Diphenylmethane Diisocyanate	(CAS No) 9016-87-9	5 - 7	Skin Irrit. 2, H315 Skin Sens. 1, H317
Siloxanes and Silicones	(CAS No) 67762-90-7	< 1	Not classified
palmitic acid	(CAS No) 57-10-3	< 1	Not classified
Stearic acid	(CAS No) 57-11-4	< 1	Not classified
PTSI, Tosyl isocyanate	(CAS No) 4083-64-1	< 1	Skin Irrit. 2, H315 Resp. Sens. 1, H334 STOT SE 3, H335
2,2-Dimorpholinodichylether	(CAS No) 6425-39-4	< 1	Not classified
Myristic acid	(CAS No) 544-63-8	< 1	Not classified
Heptadecanoic acid	(CAS No) 506-12-7	< 1	Not classified
Dibutyltin Dilaurate	(CAS No) 77-58-7	< 1	Not classified

SECTION 4: First Aid Measures

Inhalation: Move victim to fresh air and keep comfortable for breathing. Asthmatic-type symptoms may develop immediately or up to several hours later. Consult physician if this occurs.

Skin Contact: Wash with soap and water. If skin irritation or rash occurs, consult physician.

Eye Contact: Flush with copious amounts of water for at least 15 minutes. Consult physician.

Ingestion: Do not induce vomiting. Wash mouth with water. Consult physician.

Note to Physician: **Eyes:** Stain for evidence of corneal injury. If cornea is burned, instill antibiotic steroid preparation frequently. Workplace vapors have produced reversible corneal epithelial edema impairing vision. **Skin:** This compound is a known skin sensitizer. Treat symptomatically as for contact dermatitis or thermal burns. If burned, treat as thermal burn. **Ingestion:** Treat symptomatically. MDI has a very low oral toxicity. There is no specific antidote. Inducing vomiting is contraindicated because of the irritating nature of this compound. **Respiratory:** This compound is a known pulmonary sensitizer. Treatment is essentially symptomatic. An individual having a skin or pulmonary sensitization reaction to this material should be removed from exposure to any isocyanate.

SECTION 5: Fire-Fighting Measures

Extinguishing Media: Dry chemical, carbon dioxide, foam, water spray for large fires.

Hazardous Combustion Products:

Carbon dioxide, carbon monoxide, oxides of nitrogen, traces of hydrogen cyanide, isocyanate monomer vapors.

Protection of Firefighters: Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by fire fighters. During a fire isocyanate monomer vapors and other irritating, highly toxic gases may be generated by thermal decomposition.

Specific Fire or Explosion Hazards:

At temperatures greater than 400°F isocyanates can polymerize and decompose which can cause pressure buildup in closed containers. Explosive rupture is possible. Therefore, use cold water to cool fire exposed containers.

SECTION 6: Accidental Release Measures

Personal Precautions: Wear full protection gear. (See Section 8)

Environmental Precautions: Do not allow product to get into drains, soil, or surface water.

Methods of Clean-up: Evacuate and ventilate spill area; dike spill to prevent entry into water system. Wear full protective equipment. Absorb with inert material. Spill can be neutralized with the following solution (90% water, 8% ammonia, 2% detergent). Add about 10 parts of neutralizer per part of isocyanate. Scoop into disposal containers. Do not seal waste containers as CO₂ evolution can cause pressure buildup and container rupture.

SECTION 7: Handling and Storage

Store in tightly closed container to prevent moisture contamination. Care should be taken to avoid contact with skin and eyes. Do not breathe aerosols or vapors. Keep away from food and drink.

Storage Temperature: 25C

Maximum Storage Period: 6 months

SECTION 8: Exposure Control / Personal Protection

Exposure Guidelines:

Polymeric Diphenylmethane Diisocyanate (9016-87-9)

ACGIH	ACGIH TWA (ppm)	0.005 ppm
OSHA	OSHA PEL (Ceiling) (mg/m ³)	0.2 mg/m ³
OSHA	OSHA PEL (Ceiling) (ppm)	0.02 ppm

Dibutyltin Dilaurate (77-58-7)

ACGIH	ACGIH TWA (mg/m ³)	0.1 mg/m ³
ACGIH	ACGIH STEL (mg/m ³)	0.2 mg/m ³

Engineering Controls: Local exhaust should be used to keep airborne levels below TWA.

Personal Protective Equipment:

Respiratory Protection - When TWA is exceeded, a self-contained breathing apparatus or supplied air respirator should be used.

Skin Protection - Permeation resistant gloves (butyl rubber, neoprene, nitrile rubber).

Eye/Face Protection – Safety Glasses

SECTION 9: Physical and Chemical Properties

Appearance:	Liquid
Vapor Density:	Not determined
Odor:	Slightly musty. There may be no odor warning properties
Relative Density:	Not determined
Odor Threshold:	Not available
Solubility(ies):	Insoluble in water
pH:	Not available
Partition Coefficient:	n-octanol/water; Not determined
Melting Point:	Not determined
Freezing Point:	Not determined
Auto-ignition Temperature:	Not determined
Flash Point:	> 200° C
Decomposition Temperature:	Not determined
Evaporation Rate:	Not determined
Viscosity:	80,000-120,000 cP
Flammability (Solid/Gas):	No data available
Specific Gravity:	1.6
Upper/Lower Flammability:	Not determined
VOC Content:	0.0 lb/gal
Vapor Pressure:	<0.00001 mm Hg @ 25° C (MDI)
Boiling Point:	No data available

SECTION 10: Stability and Reactivity

Chemical Stability:	Stable
Conditions to Avoid:	Excessive heat
Materials to Avoid:	Water, amines, strong bases, and alcohols.
Hazardous Polymerization:	May occur through contact with moisture, other materials which react with isocyanates or temperatures above 400°F may cause polymerization.

SECTION 11: Toxicological Information**Acute Toxicity: Not classified
PTSI, Tosyl isocyanate (4083-64-1)**

LD50 oral rat 2600 mg/kg (Rat)
ATE US (oral) 2600.000 mg/kg body weight

Polymeric Diphenylmethane Diisocyanate (9016-87-9)

LD50 oral rat > 10000 mg/kg (Rat; Literature study)
LD50 dermal rabbit > 5000 mg/kg (Rabbit; Literature study)

Polyol (25322-69-4)

LD50 oral rat > 300 mg/kg (Rat)
LD50 dermal rabbit > 2000 mg/kg (Rabbit)

Calcium Carbonate (1317-65-3)

LD50 oral rat 6450 mg/kg (Rat; Literature study)
ATE US (oral) 6450.000 mg/kg body weight

Dibutyltin Dilaurate (77-58-7)

LD50 oral rat 2071 mg/kg body weight (Rat; Equivalent or similar to OECD 401;
Experimental value)

LD50 dermal rat > 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute
Dermal Toxicity)

ATE US (oral) 2071.000 mg/kg body weight

palmitic acid (57-10-3)

LD50 oral rat > 10000 mg/kg (Rat)

Stearic acid (57-11-4)

LD50 oral rat > 5000 mg/kg (Rat)
LD50 dermal rabbit > 5000 mg/kg (Rabbit)

Myristic acid (544-63-8)

LD50 oral rat > 10000 mg/kg (Rat)

Skin corrosion/irritation: Not classified
Serious eye damage/irritation: Not classified
Respiratory or skin sensitization: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.

Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified

Polymeric Diphenylmethane Diisocyanate (9016-87-9)

IARC group 3 - Not classifiable

Reproductive toxicity: Not classified
Specific target organ toxicity (single exposure): Not classified
Aspiration hazard: Not classified
Symptoms/injuries after skin contact: Causes skin irritation.
Symptoms/injuries after eye contact: Causes eye irritation.

SECTION 12: Ecological Information

Mobility and Bioaccumulation Potential

Degradation: Not determined
Aquatic Toxicity: Not determined
LC50 – 24 hour (Static): Greater than 500 mg/liter for Daphnia magna, Limaea stagnalis, and Zebra fish for polymeric MDI.

SECTION 13: Disposal Considerations

Disposal: Incinerate or bury in landfill in accordance with federal, state and local regulations. Incineration is the preferred method of disposal.
Wastes or Residues: Same as above. **Contaminated Packaging:** Empty containers must be handled with care due to product residue. Decontaminate containers prior to disposal. Empty decontaminated containers should be crushed to prevent reuse. **DO NOT HEAT OR CUT EMPTY CONTAINER WITH ELECTRIC OR GAS TORCH.** (See Fire Fighting Measures and Stability & Reactivity). Gases may be highly toxic.

SECTION 14: Transport Information

Road: DOT Proper Shipping Name: **Non-Regulated**
DOT Packing Group: N/A
DOT Label: N/A
UN Number: N/A

Ocean: Proper Shipping Name: **Non-Regulated**
Sea – IMO/IMDG Class: N/A
UN Number: N/A
Label: N/A
Packing Group: N/A
Marine Pollutant: N/A
EMS: N/A

Air: Proper Shipping Name: **Non-Regulated**
Air – ICAO/IATA Class: N/A
UN Number: N/A
Label: N/A
Sub Class: N/A
Packing Group: N/A
Pack Instr. Passenger: N/A
Pack Instr. Cargo: N/A

SECTION 15: Regulatory Information

Status on Substance Lists: The concentrations shown in this document are maximum levels (weight %) to be used for regulations.

TSCA: The components of this product are contained on the chemical substance inventory list.

OSHA: This product is a 'Hazardous Chemical' as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

IARC: Not carcinogenic

Federal EPA: Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA): Requires notification of the national response center of release of quantities of hazardous

substances equal to or greater than the reportable quantities (RQ's) in 40 CFR 302.4. Components present in this product at level which could require reporting under the statute are:

Chemical Name	CAS Number	% by Weight	RQ
None	None	None	None

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III: Sections 301-304 require emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQ) in 40 CFR 355. Components present in this product at level which could require reporting under this statute are:

Chemical Name	CAS Number	% by Weight	RQ
None	None	None	None

Section 311-312 require products be reviewed and applicable EPA Hazard Definitions be identified and made known.

EPA Hazard Classifications:

Acute Hazard	Chronic Hazard	Fire Hazard	Pressure Hazard	Reactive Hazard
Yes	Yes	No	No	No

Section 313 requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all SDSs that are distributed for this material. Components present in this product at level which could require reporting under the statute are:

Chemical Name	CAS Number	% by Weight
Polymeric Diphenylmethane Diisocyanate	9016-87-9	<1% unreacted

TSCA Inventory Update Reporting (40)CFR 7109(C): Palmitic Acid (57-10-3) is a substance that is the subject of a Section 4 test rule under TSCA

Canada DSL: This material is listed or exempted.

Canada WHMIS 2015: This is a hazardous product as defined by the HPR

California Proposition 65: Does not contain any listed chemical to the best of our knowledge.

SECTION 16: Other Information

HMIS: H = 2, F = 1, R = 0 (* CHRONIC) Personal Protection = B.

The information herein is given in good faith, but no warranty expressed or implied is made. Roberts urges users of this product to evaluate its suitability and compliance with local regulations as Roberts cannot foresee the final use of the product, nor the final location of usage

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