

MSDS *Material Safety Data Sheet*

Wilsonart LLC

MSDS Number: 20097
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Wilsonart® Hard Surface Adhesive

Revision Date: 07/01/13
Revision No: 0(new)

1 PRODUCT AND COMPANY IDENTIFICATION

Common Name: Wilsonart® Hard Surface Adhesive

Manufacturer: WILSONART LLC
P. O. BOX 6110 – 2400 WILSON PLACE
TEMPLE, TX 76503
INFORMATION PHONE: 800-433-3222 (USA)

Trade Name: Hard Surface Adhesive

Material Uses: Seam adhesive for solid surfacing, engineered stone, and natural stone.

In Case of Emergency Contact CHEMTREC: 800-424-9300 (USA)
703-527-3887 (INTERNATIONAL)

2 HAZARDS IDENTIFICATION

Route of Entry: Skin contact, eye contact, inhalation, and ingestion.

Target Organs: Skin, eyes, respiratory, digestive, liver, kidney, olfactory.

Skin Contact: May cause irritation of the skin. Prolonged exposure may cause sensitization. Preexisting skin conditions may be aggravated by exposure to this material.

Eye Contact: May cause eye irritation and/or sensitization.

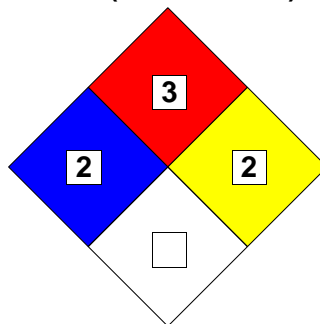
Inhalation: Respiratory tract irritant. Prolonged exposure may result in dizziness, nausea, headache, and anesthetic effects. May cause sensitization. Preexisting respiratory conditions may be aggravated by exposure to this material.

Ingestion: Not an expected route of entry. If ingested it may cause irritation to the gastro-intestinal tract

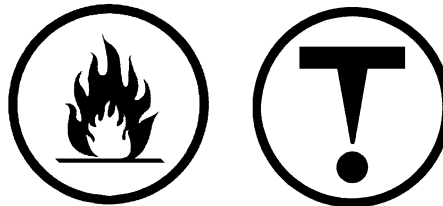
ADHESIVE:

HMIS (United States):	
HEALTH	2
FLAMMABILITY	3
REACTIVITY	2
PPE	B

NFPA (United States):



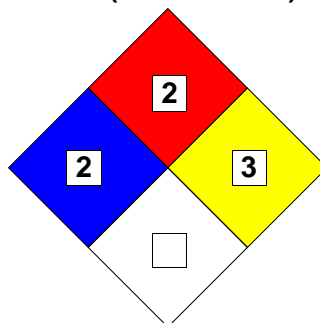
WHMIS (Canada): B2, D2B



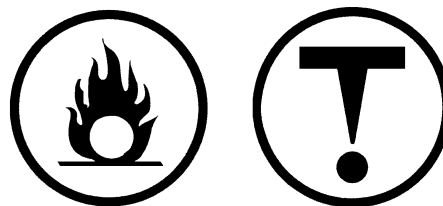
ACTIVATOR:

HMIS (United States):	
HEALTH	2
FLAMMABILITY	2
REACTIVITY	3
PPE	B

NFPA (United States):



WHMIS (Canada): C, D2B



3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS#	% by Weight
Adhesive: Methyl Methacrylate Monomer	80-62-6	45 – 70
Polymethyl Methacrylate	9011-87-4	15 – 40
TSRN 800941-5020P	Not Available	3 – 10
TSRN 800941-5016P	Not Available	1 – 5
Activator: Diisobutyl Phthalate	84-69-5	25 – 50
Texanol Benzyl Phthalate	16883-83-3	25 – 50
TSRN 800941-5006P	Not Available	7 – 13
Benzoyl Peroxide	94-36-0	3 – 10

4 FIRST AID MEASURES

Inhalation: Remove patient to fresh air. If patient is having difficulty breathing, seek immediate medical attention. If not breathing, clear airway and start mouth-to-mouth artificial respiration (or use bag-mask respirator). Seek immediate medical attention.

Skin Contact: Remove contaminated clothing. Flush skin with water, then wash affected areas with soap and water. If irritation develops, seek medical attention. Wash or dispose of clothing before reuse.

Eye Contact: Flush eyes with water for 15 minutes. Remove contact lenses prior to water flush. Seek immediate medical attention.

Ingestion: Give patient water to dilute material in stomach. DO NOT induce vomiting. Seek immediate medical attention. If vomiting occurs naturally, have person lean forward to reduce risk of aspiration. DO NOT give anything by mouth to an unconscious person.

5 FIRE FIGHTING MEASURES

Flash Point: 50°F (10°C). Fine mists may be explosive below the flash point.

Flash Point Method: Tag Closed Cup.

Autoignition Temp.: 790°F (421°C).

LEL: 1.7%.

UEL: 12.5%.

Flammability Classification: Class 1B.

Hazardous Products of Combustion: Carbon Oxides (CO and CO₂), Methyl Methacrylate, and various Hydrocarbons.

Firefighting Equipment: Use self-contained breathing apparatus (SCBA) with a full-face piece and pressure demand or other positive-pressure mode and full protective clothing

Special Remarks: In case of fire, use dry chemical or CO₂. Water spray may cause frothing. Sealed containers of adhesive may rupture violently at elevated temperatures due to polymerization. Organic peroxides can decompose violently if heated while confined.

6 ACCIDENTAL RELEASE MEASURES

Small Spill or Leak: Absorb with an inert material and place in an appropriate disposal container.

Large Spill or Leak: Wear self-contained breathing apparatus with appropriate PPE. Absorb with an inert material and place in an appropriate disposal container. Keep out of sewers and drains.

7 HANDLING AND STORAGE

Handling Precautions: Avoid breathing vapors. Use in a well-ventilated area. Wear rubber gloves (nitrile or butyl) and chemical resistant apron. Wear chemical splash goggles. Movement and handling of material will accumulate static charge which can act as an ignition source when discharged. Use proper bonding and grounding procedures. Do not reuse empty containers.

Storage Requirements: Store in a cool, dry, well-ventilated area at temperatures less than 100°F (38°C).

Storage above 228°F (109°C) may cause explosive decomposition. Avoid storage in direct sunlight. Keep containers closed when not in use. Keep away from heat sources, sparks, and open flames.

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EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Provide adequate explosion proof ventilation (general or local exhaust). Ensure that a working eyewash and safety shower are in the work area.

Protective Equipment: Wear splash goggles or safety glasses with side shields, appropriate chemical resistant gloves, and chemical resistant apron. Exposed skin should be covered to prevent contact with product. In case of insufficient ventilation, wear an approved (NIOSH) respirator with organic vapor cartridge and dust/mist pre-filter.

Exposure Guidelines / Other:**Product Name**

Benzoyl Peroxide (CAS 94-36-0):

Exposure LimitsOSHA PEL: TWA 5 mg/m³ACGIH TLV: TWA 5 mg/m³

Methyl Methacrylate (CAS 80-62-6):

OSHA PEL: TWA 100 ppm

ACGIH TLV: TWA 50 ppm STEL 100 ppm

Consult local authorities and local regulations for exposure limits.

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PHYSICAL AND CHEMICAL PROPERTIES

	Adhesive	Activator
Appearance:	Colored (Various) Paste	Liquid
Physical State:	Liquid	Liquid
Odor:	Fragrant	Mild Ester
Boiling Point:	213°F (101°C)	> 550°F (288°C)
Freezing / Melting Point:	-54°F (-48°C)	Not Available
pH:	Not Applicable	Not Applicable
Percent Volatile:	Not Determined	Not Determined
Solubility:	Not Determined	Not Determined
Specific Gravity / Density:	0.93 – 1.05 (water = 1); 7.75 – 8.75 lbs/gal.	Not Determined
Vapor Density:	3.5 (air = 1)	Not Available
Vapor Pressure:	28 mm Hg @ 68°F	< 0.5 mm Hg @ 68°F
Viscosity:	Not Available	Not Available
VOC:	5.3 g/L	Not Determined

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STABILITY AND REACTIVITY

Stability: Product is stable as supplied and when used as intended. Product can become unstable under certain conditions or in contact with incompatible materials.

Conditions to Avoid: Avoid high temperatures, open flames, sparks, and direct sunlight.

Materials to Avoid (Incompatibility): Avoid oxidizers, reducing agents, acids, bases, free radical initiators (adhesive will polymerize when exposed to free radicals), and combustible materials.

Hazardous Decomposition Products: Carbon Oxides (CO and CO₂), Methyl Methacrylate, and various Hydrocarbons.

Hazardous Polymerization: Product may undergo polymerization. Avoid strong acids, bases, or free radical initiators.

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TOXICOLOGICAL INFORMATION**Acute Toxicity to Animals:**

Adhesive: Methyl Methacrylate (CAS 80-62-6): LC50 = 78000 mg/m³ (4 hour inhalation, rat)

LD50 = 7872 mg/kg (oral, rat)

LD50 > 5000 mg/kg (dermal, rabbit) after systemic exposure

Activator: Benzoyl Peroxide (CAS 94-36-0): LC50 = 2 mg/L(96 hour inhalation, guppy)

LD50 = 6400 mg/kg (oral, rat)

Diisobutyl Phthalate (CAS 84-69-5): LD50 > 10400 mg/kg (oral, rat)

LD50 > 10400 mg/kg (dermal, guinea pig)

Texanol Benzyl Phthalate (CAS 16883-83-3): LD50 > 10000 mg/kg (dermal, rabbit)

Chronic Toxicity to Animals: No additional information.

Acute Toxicity to Humans: No additional information.
Chronic Effects on Humans: No additional information.
Carcinogenic Effects: Not classifiable for human or animal.
Mutagenic Effects: Classifiable none for human.
Teratogenic Effects: Classifiable none for human.
Developmental Toxicity: Classifiable none for human.
Causes damage to the following organs: No additional information.

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ECOLOGICAL INFORMATION

Fish Toxicity: Contains components that may be harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment. Methyl Methacrylate, 150 ppm 96 hr LC50 (flathead minnow), 232 ppm 96 hr LC50 (bluegill sunfish).
Ecotoxicity: Contains components that are potentially toxic to freshwater and saltwater ecosystems.
BOD5 and COD: Not Available.
Biodegradable / OECD: Not Available.
Toxicity of the Products of Biodegradation: Not Available.
Special Remarks on the Products of Biodegradation: Contains components with the potential to bio-accumulate.

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DISPOSAL CONSIDERATIONS

Adhesive: Hazardous waste product (RCRA 40 CFR 261) classified as D001. Spilled, contaminated, or waste material should be put into a suitable container and handled according to Federal, State, and local regulations. Contact a qualified waste management company for assistance.
Activator: Not a hazardous waste product (RCRA 50 CFR 261). May be disposed of by landfill or incineration. Dispose of in accordance with Federal, State, and local regulations.

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TRANSPORT INFORMATION

Proper Shipping Name: Adhesives (DOT), Flammable Liquid.
DOT Classification: UN1133, Adhesives, Flammable Liquid, Hazard Class 3, Packing Group II, Limited Quantity.
Special Provision for Transport: 1 Liter (0.3 gallon) or less may use Limited Quantity exceptions (49 CFR 172.102 & 49 CFR 173.150 (a)(2)).
ADR/RID Classification: Class 3 Flammable Liquid.
ICAO/IATA Classification: Class 3 Flammable Liquid.
IMO/IMDG Classification: Class 3 Flammable Liquid.
Marine Pollutant: No additional information.

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REGULATORY INFORMATION**U.S. Federal Regulations**

Chemical (& CAS Number)	SARA 302 (EHS)TPQ	SARA 304 (EHS)Rq	SARA 313 <i>de minimis</i>	CERCLA Rq	CAA 112(r) TQ	RCRA Code
Benzoyl Peroxide (CAS 94-36-0)			1.0			
Methyl Methacrylate (CAS 80-62-6)			1.0	1000		U162

All quantities in pounds

State Regulations

Chemical (& CAS Number)	CA HSL	MA RTK	MN RTK	NJ RTK	PA RTK	RI RTK
Benzoyl Peroxide (CAS 94-36-0)	X	X	X	X	X	X
Methyl Methacrylate (CAS 80-62-6)		X	X	X	X	X

International Regulations

DSL (Canada): The chemicals in this product are listed.

EINECS: The chemicals in this product are listed.

WHMIS: B2, C, & D2B.

16**OTHER INFORMATION**

Prepared By: Environmental, Health, and Safety Department, Wilsonart LLC

Telephone: 254-207-7000

Internet: www.wilsonart.com

Changes: Issued with new ID number due to duplicated numbers. Revision of Section 14 to include Limited Quantity Exception shipping information.

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named manufacturer nor any of its subsidiaries assumes any liability whatsoever for accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

END OF MSDS DOCUMENT