

1 PRODUCT AND COMPANY IDENTIFICATION

Common Name: Wilsonart® WA8230LS Adhesive and Activator

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

Trade Name: WA8230LS Adhesive and Activator

Material Uses: Seam adhesive for acrylic sinks

Revision #: 0

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 system, digestive system, and Central Nervous System (CNS).

Inhalation: Breathing vapors may cause irritation to the respiratory tract. Prolonged exposure may result in dizziness, nausea, headache, and anesthetic effects. May cause respiratory sensitization with asthma like symptoms in susceptible individuals.

Skin Contact: May cause skin irritation including itching, redness, rashes, burning, and swelling. Allergic reactions are possible. Prolonged exposure may cause sensitization.

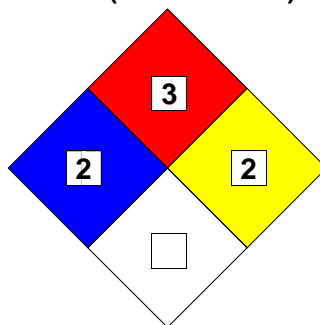
Eye Contact: May cause eye irritation and/or sensitization including burning sensation, tearing, redness, and swelling. Overexposure may result in lacrimation, conjunctivitis, corneal damage, and permanent injury.

Ingestion: Not an expected route of entry. If ingested it may cause irritation to the gastro-intestinal tract with symptoms including a burning sensation and abdominal pain. May act as CNS depressant.

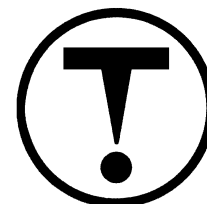
ADHESIVE:

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

NFPA (United States):



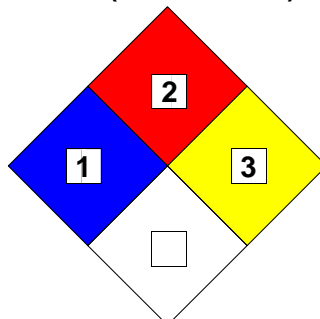
WHMIS (Canada): B2, D2B



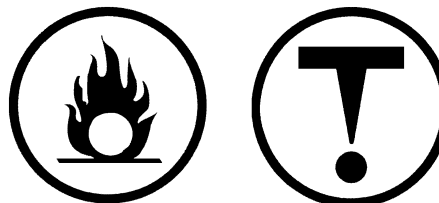
ACTIVATOR:

HMIS (United States):	
HEALTH	1
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	80-62-6	60 – 100
Methacrylic Acid	79-41-4	1 – 5
Activator:		
Diisobutyl Phthalate	84-69-5	30 – 60
Texanol Benzyl Phthalate	16883-83-3	30 – 60
Benzoyl Peroxide	94-36-0	5 – 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: Flush skin with water for at least 15 minutes, then wash affected areas with soap and water. Remove contaminated clothing. If irritation develops, seek medical attention.

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

Ingestion: Give patient 3 – 4 glasses of water. DO NOT induce vomiting. Seek immediate medical attention. DO NOT give anything by mouth to an unconscious person.

5 FIRE FIGHTING MEASURES

Flash Point: 50°F (10°C) for Adhesive; > 200°F (>93°C) for Activator.

Flash Point Method: TCC for Adhesive.

Autoignition Temp.: 789°F(421°C) for Adhesive; Not Available for Activator.

Burning Rate: Not Available.

LEL: 1.7% (Adhesive).

UEL: 12.5 (Adhesive).

Flammability Classification: Not Available.

Firefighting Equipment: Use self-contained breathing apparatus with a full-face piece and pressure demand or other positive-pressure mode.

Firefighting Media: In case of fire, use dry chemical, CO₂, or water spray to extinguish fire. Avoid water jet or stream due to frothing of product.

Special Remarks: This product can produce flammable vapors that may travel long distances to an ignition source and flash back. Sealed containers of adhesive may rupture explosively at elevated temperatures due to polymerization.

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

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). Wear chemical splash goggles or safety glasses with side-shields. Use a chemically resistant apron. Wash with soap and water after use.

Storage Requirements: Store in a cool (<100°F(<38°C)), dry, well-ventilated area. Keep containers closed when not in use. Keep away from heat sources, sparks, and open flames. Storage above 228°F(109°C) may cause explosive decomposition.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Provide adequate ventilation. Ensure that a working eyewash and safety shower are in the work area.

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

Exposure Guidelines / Other:

Product Name	Exposure Limits
Benzoyl Peroxide (CAS 94-36-0)	OSHA PEL: TWA 5 mg/m ³ ACGIH TLV: TWA 5 mg/m ³
Methacrylic Acid (CAS 79-41-4)	ACGIH TLV: TWA 20 ppm
Methyl Methacrylate (CAS 80-62-6)	OSHA PEL: TWA 100 ppm ACGIH TLV: TWA 50 ppm
Texanol Benzyl Phthalate (CAS 16883-83-3)	Manufacturer PEL: TWA 5 mg/m ³ STEL 100 ppm

Consult local authorities and local regulations for exposure limits.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colored Paste (Adhesive), Liquid (Activator)	Boiling Point:	213°F (100.5°C) Adhesive
Physical State:	Liquid	Freezing / Melting point:	Not Available
Odor:	Mild Sweet	Solubility:	Not Soluble in Water
pH:	Not Applicable	Specific Gravity / Density:	0.93 – 1.08 (water = 1)
Vapor Pressure:	28 mm Hg @68°F, Adhesive	Evaporation Rate:	<1 (butyl acetate =1), Activator 3 (butyl acetate =1), Adhesive
Vapor Density:	>1 (air = 1), Adhesive	Percent Solids by Weight:	Not Available
Viscosity:	Not Available		
VOC:	<50 g/L mixed product		

10 STABILITY AND REACTIVITY

Stability: Product is stable as supplied and when used as intended.

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

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.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity to Animals:

Adhesive:

Methyl Methacrylate:	LC50 = 7093 ppm (4 hour, rat) LD50 = 7940 mg/kg (oral, rat) LD50 = 3625 mg/kg (oral, mouse) LD50 > 7550 mg/kg (dermal, rabbit)
Methacrylic Acid:	LC50 = 7100 mg/m ³ (4 hour, rat) LD50 = 1320 mg/kg (oral, rat) LD50 = 1600 mg/kg (oral, mouse) LD50 > 500 mg/kg (dermal, rabbit)

Activator:

Benzoyl Peroxide:	LC50 = 24300 mg/m ³ (4 hour, rat) LD50 = 7710 mg/kg (oral, rat)
Diisobutyl Phthalate:	LD50 = 10400 mg/kg (oral, rat) LD50 = 10400 mg/kg (dermal, guinea pig)
Texanol Benzyl Phthalate:	LD50 > 15800 mg/kg (oral, rat) LD50 > 10000 mg/kg (dermal, rat)

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.

May Cause Damage to the Following Organs: No additional information.

12 ECOLOGICAL INFORMATION

Fish Toxicity: Methyl Methacrylate, 150 ppm 96 hr LC50 (flathead minnow), 232 ppm 96 hr LC50 (bluegill sunfish).

Ecotoxicity: No additional information.

BOD5 and COD: Not Available

Biodegradable / OECD: Not Available

Toxicity of the Products of Biodegradation: Not Available

Special Remarks on the Products of Biodegradation: Not Available

13 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: Hazardous waste product (RCRA 40 CFR 261) classified as D003. May be disposed of by landfill or incineration.

Dispose of in accordance with Federal, State, and local regulations.

14 TRANSPORT INFORMATION

Proper Shipping Name: Adhesive, containing a flammable liquid.

Hazard Class: 3

Identification Number: UN 1133

Packing Group: II

Label Code: 3

15 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 (94-36-0)			1.0			
Methyl Methacrylate (80-62-6)			1.0	1000		U162

All quantities in pounds

State Regulations

Chemical (& CAS Number)	CA Prop 65	MA RTK	MN RTK	NJ RTK	PA RTK	RI RTK
Benzoyl Peroxide (94-36-0)		X	X	X	X	X
Methacrylic Acid (79-41-4)		X	X	X	X	X
Methyl Methacrylate (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.

WHIMS: B2, C, & D2B.

16 OTHER INFORMATION

References

Lewis, R. J., **Rapid Guide to Hazardous Chemicals in the Workplace**, 4th ed., Wiley-Interscience, New York, 2000.

NIOSH Pocket Guide to Chemical Hazards, Department of Health and Human Services, National Institute for Occupational Safety and Health, 2004.

Patty's Toxicology, 5th ed. John Wiley & Sons, Inc. 2001.

TLVs and BEIs, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Agents, ACGIH Worldwide, Cincinnati, 2007.

Glossary

ACGIH – American Conference of Governmental Industrial Hygienists
ASTM – American Society for Testing and Materials
ADR – Agreement on Dangerous Goods by Road (Europe)
BOD5 – Biological Oxygen Demand in 5 days
CAA – Clean Air Act
CAS – Chemical Abstracts Services
CEPA – Canadian Environmental Protection Act
CERCLA – Comprehensive Environmental Response, Compensations, and Liability Act
CFR – Code of Federal Regulations
CWA – Clean Water Act
DOT – Department of Transportation
DSCL – Dangerous Substances Classification and Labeling (Europe)
DSL – Domestic Substance List (Canada)
EEC/EU – European Economic Community/European Union
EINECS – European Inventory of Existing Commercial Chemical Substances
HCS – Hazard Communication System
HMIS – Hazardous Material Information System
IARC – International Agency for Research on Cancer
LD50/LC50 – Lethal Dose/Concentration kill 50%
LDLo/LCLo – Lowest Published Lethal Dose/Concentration
NFPA – National Fire Prevention Association
NIOSH – National Institute for Occupational Safety & Health
NTP – National Toxicology Program
OSHA – Occupational Safety & Health Administration
PEL – Permissible Exposure Limit
RCRA – Resource Conservation and Recovery Act
SARA – Superfund Amendments and Reorganization Act
STEL – Short Term Exposure Limit (15 minutes)
TDG – Transportation of Dangerous Goods (Canada)
TLV-TWA – Threshold Limit Value-Time Weighted Average
TSCA – Toxic Substances Control Act
WHMIS – Workplace Hazardous Material Information System

CHEMTREC:

800-424-9300 (USA)

703-527-3887 (International)

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.