

**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.

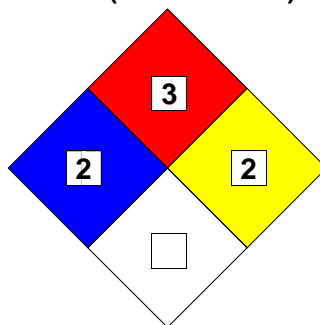
**Eye Contact:** May cause eye irritation and/or sensitization including burning sensation, tearing, redness, and swelling. Overexposure may result in lacrimation, conjunctivitis, corneal damage, and permanent injury.

**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.

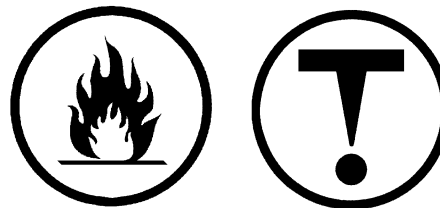
**ADHESIVE:**

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

**NFPA (United States):**



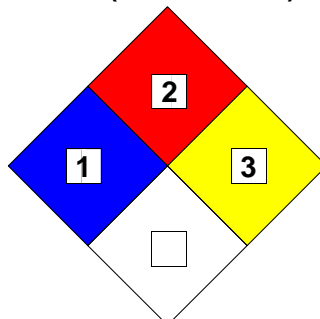
**WHMIS (Canada): B2, D2B**



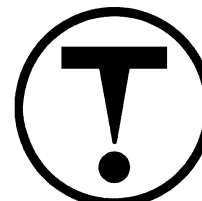
**ACTIVATOR:**

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, CO<sub>2</sub>, 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 CO<sub>2</sub>), 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 <sup>3</sup> ACGIH TLV: TWA 5 mg/m <sup>3</sup>
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 <sup>3</sup> STEL 100 ppm

Consult local authorities and local regulations for exposure limits.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Colored Paste (Adhesive), Liquid (Activator)	<b>Boiling Point:</b>	213°F (100.5°C) Adhesive
<b>Physical State:</b>	Liquid	<b>Freezing / Melting point:</b>	Not Available
<b>Odor:</b>	Mild Sweet	<b>Solubility:</b>	Not Soluble in Water
<b>pH:</b>	Not Applicable	<b>Specific Gravity / Density:</b>	0.93 – 1.08 (water = 1)
<b>Vapor Pressure:</b>	28 mm Hg @68°F, Adhesive	<b>Evaporation Rate:</b>	<1 (butyl acetate =1), Activator 3 (butyl acetate =1), Adhesive
<b>Vapor Density:</b>	>1 (air = 1), Adhesive	<b>Percent Solids by Weight:</b>	Not Available
<b>Viscosity:</b>	Not Available		
<b>VOC:</b>	<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 CO<sub>2</sub>), 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 <sup>3</sup> (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 <sup>3</sup> (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*, 4<sup>th</sup> 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, 5<sup>th</sup> 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.*