

1 PRODUCT AND COMPANY IDENTIFICATION

Common Name: Wilsonart® 8215 Adhesive and Activator
SK200

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

Trade Name: WA 8215 Adhesive and Activator

Material Uses: Seam adhesive for solid surfacing

Revision #: 3

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.

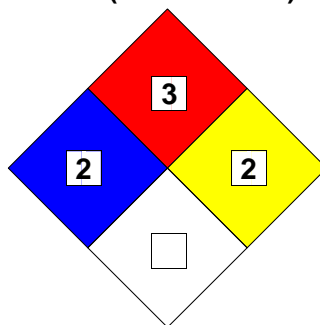
Inhalation: Respiratory tract irritant. Prolonged exposure may result in dizziness, nausea, headache, and anesthetic effects. May cause sensitization. Preexisting respiratory conditions may be aggravated by exposure to this material.

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

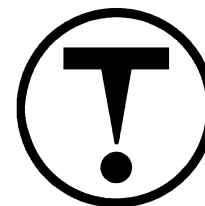
ADHESIVE:

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

NFPA (United States):



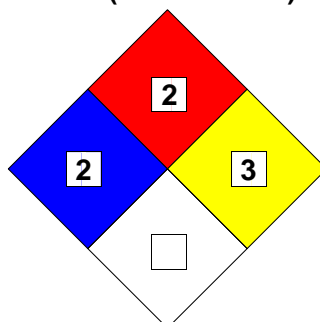
WHMIS (Canada): B2, D2B



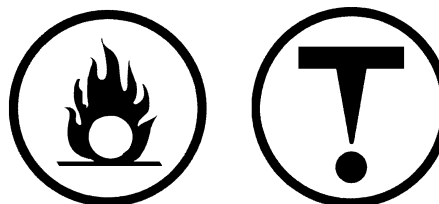
ACTIVATOR:

HMIS (United States):	
HEALTH	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	80-62-6	30 – 60
Non-Hazardous and Inert Fillers	Not applicable	20 – 50
Paraffin Wax	64742-43-4	1 – 5
Trimethacrylate Esters	3290-92-4	1 – 5
Activator: Diisobutyl Phthalate	84-69-5	30 – 60
Texanol Benzyl Phthalate	16883-83-3	30 – 60
Non-Hazardous and Inert Fillers	Not applicable	10 – 30
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: Remove contaminated clothing. Flush skin with water, then wash affected areas with soap and water. If irritation develops, seek medical attention.

Eye Contact: Flush eyes with water for 15 minutes. Remove contact lenses prior to water flush. Seek immediate 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: Adhesive: 50°F (10°C); Activator: > 200°F (>93°C) (estimated).

Flash Point Method: Tag Closed Cup for Adhesive.

Autoignition Temp.: 789°F (421°C) for Adhesive.

Burning Rate: Not Available.

LEL: 1.7% for Adhesive.

UEL: 12.5 for Adhesive.

Flammability Classification: Not Available.

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

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

Special Remarks: In case of fire, use dry chemical, CO₂, or water spray to extinguish fire. 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). Wear chemical splash goggles.

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.

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 appropriate chemical resistant gloves. 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	Exposure Limits
Benzoyl Peroxide (CAS 94-36-0)	OSHA PEL: TWA 5 mg/m ³ ACGIH TLV: TWA 5 mg/m ³
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.

9 PHYSICAL AND CHEMICAL PROPERTIES

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

10 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), Biphenyl, Zinc Oxide, 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: (CAS 80-62-6)	LC50 = 7093 ppm (4 hour inhalation, rat) LD50 = 7940 mg/kg (oral, rat) LD50 = 3625 mg/kg (oral, mouse) LD50 > 7550 mg/kg (dermal, rabbit) LD50 > 5000 mg/kg (dermal, rabbit) after systemic exposure
Trimethacrylate Esters: (CAS 3290-92-4)	LD50 = 16960 mg/kg (dermal, rabbit) LD50 = 6000 mg/kg (oral, rat)

Activator:

Benzoyl Peroxide: (CAS 94-36-0)	LC50 > 24300 mg/m ³ (4 hour inhalation, rat) LD50 = 7710 mg/kg (oral, rat) LD50 = 6400 mg/kg (oral, rat) LD50 > 2000 mg/kg (oral, mouse) LD50 = 1200 mg/kg (oral, mouse)
Diisobutyl Phthalate: (CAS 84-69-5)	LD50 = 10400 mg/kg (oral, rat) LD50 = 15000 mg/kg (oral, rat) LD50 = 12800 mg/kg (oral, mouse) LD50 = 10000 mg/kg (oral, mouse) LD50 = 10400 mg/kg (dermal, guinea pig)
Texanol Benzyl Phthalate: (CAS 16883-83-3)	LD50 > 15800 mg/kg (oral, rat) 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.

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: 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.

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
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.