

ITW Permatex
 Versachem Brand
 10 Columbus Blvd.
 Hartford, CT 06106 USA
 Telephone: 1-87-Permatex
 (877) 376-2839
 Emergency: 800-255-3924 (ChemTel)
 International Emergency: +01-813-248-0585

Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: VERSACHEM PLASTIC WELDER (ACTIVATOR)
Item No: 47809V
Product Type: Activator

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component:	Weight%	ACGIH; TLV-TWA	OSHA PEL
METHYL METHACRYLATE 80-62-6	60-80	50 ppm	100 ppm; 410 mg/m ³
ACRYLONITRILE-BUTADIENE POLYMER 9003-18-3	1-10	Not listed	Not listed
3,5-DIETHYL-1,2-DIHYDRO-1- PHENYL-2-PROPYLPYRIDINE 34562-31-7	1-10	Not listed	Not listed

3. HAZARDS IDENTIFICATION

Toxicity: May cause eye and skin irritation. May cause skin sensitization. Exposure to vapors or mist may result in irritation of the respiratory tract.

Primary Routes of Entry: Eye and skin contact, ingestion, inhalation

Signs and Symptoms of Exposure: Eyes: Exposure to liquid or vapor causes moderate eye irritation. Symptoms may include burning, tearing, redness, stinging, blurred vision and corneal injury. Repeated skin contact may cause allergic skin reactions. Excessive accidental exposure may cause headache, dizziness, nausea and mild respiratory irritation. Moderately toxic if swallowed. Irritating to mouth, throat and stomach with nausea.

Component:	Weight%	NTP	ACGIH Carcinogens	IARC Carcinogen
METHYL METHACRYLATE 80-62-6	60-80	male rat-no evidence; female rat-no evidence; male mice- no evidence; female mice-no evidence	A4 - Not Classifiable as a Human Carcinogen	Group 3: Monograph 60, 1994

Aggravated Medical Condition: Preexisting eye, skin and respiratory disorders may be aggravated by overexposure to this product.

4. FIRST AID MEASURES

Ingestion: If swallowed, do not induce vomiting - seek medical advice. Never give anything by mouth to an unconscious person.

Inhalation: Move to fresh air in case of accidental inhalation of vapors. Obtain medical attention.

Skin Contact: Remove contaminated clothing. Wash area with soap and water. If irritation persists, seek medical attention

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists

5. FIRE FIGHTING MEASURES

Flash Point °F(C°): 52.7°F (11.5°C)

Recommended Extinguishing Media: Carbon dioxide, Dry chemical, Foam

Special Fire-Fighting Procedures: Firefighters should wear self-contained breathing apparatus and protective clothing to prevent all skin and eye contact
Oxides of carbon, Oxides of nitrogen

Hazardous Products of Combustion: Oxides of carbon, Oxides of nitrogen

Unusual Fire/Explosion Hazards: Flammable. Closed containers may rupture or explode when exposed to extreme heat.

Lower Explosive Limit: 1.6%

Product Name: VERSACHEM PLASTIC WELDER
(ACTIVATOR)

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5. FIRE FIGHTING MEASURES

Upper Explosive Limit: 12.5%

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal. Prevent from entering waterways or sewers.

7. HANDLING AND STORAGE

Storage: Store away from heat, sparks or open flame. Do not store at temperatures above 100°F (38°C).

Handling: Do not use near heat, sparks or open flame. Use in a well ventilated area. Avoid contact with skin and eyes. Wash thoroughly after handling. Discard contaminated leather gloves and shoes.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses

Skin: Neoprene or nitrile gloves recommended

Ventilation: Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

Respiratory Protection: An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White viscous liquid

Odor: Solvent

Boiling Point: 213°F (100.5°C)

pH: Not applicable

Solubility in Water: Slight

Specific Gravity: 0.95

VOC(Wt.%): <50 g/L mixed

Vapor Pressure: 28 mmHg @ 68°F

Vapor Density (Air=1): >1

Evaporation Rate: >1 (butyl acetate = 1)

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Hazardous Polymerization: May occur

Incompatibilities: Strong oxidizers, Reducing agents

Conditions to Avoid: Keep away from heat, sparks and flame

Hazardous Products of Combustion: Oxides of carbon, Oxides of nitrogen

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations

US EPA Waste Number: D001 as per 40CFR 261.21

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

U.S. Department of Transportation - DOT - 49 CFR (Ground)

DOT Shipping Name: Adhesives, Limited Quantity

Hazard Class: Class 3, PG II

UN/ID Number: UN 1133

IATA (Air)

Proper Shipping Name: Consumer Commodity (Not more than 500 ml)

Class or Division: Class 9

UN/ID Number: ID 8000

Product Name: VERSACHEM PLASTIC WELDER
(ACTIVATOR)

Item No. 47809V

IMDG (Vessel)

Proper Shipping Name: Adhesives, Limited Quantity
Hazard Class: Class 3, PG II
UN Number: UN 1133

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

Methyl methacrylate

California Proposition 65: No California Prop 65 chemicals are known to be present.

TSCA Inventory Status: All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 3, REACTIVITY 2.

Estimated HMIS Classification: HEALTH 2, FLAMMABILITY 3, PHYSICAL HAZARD 0

(NFPA is a registered trademark of the National Fire Protection Association)

(HMIS is a registered trademark of the National Paint and Coatings Association)

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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: VERSACHEM PLASTIC WELDER (ADHESIVE)
Item No: 47809
Product Type: Adhesive

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component:	Weight%	ACGIH; TLV-TWA	OSHA PEL
METHYL METHACRYLATE 80-62-6	35-60	50 ppm	100 ppm; 410 mg/m ³
METHACRYLIC ACID 79-41-4	1-10	20 ppm	20 ppm; 70 mg/m ³
DIMETHYLBENZYL HYDROPEROXIDE 80-15-9	1-10	Not listed	Not listed
BUTYLATED HYDROXY TOLUENE 128-37-0	1-10	2 mg/m ³	Not listed
ETHOXYLATED TRIMETHYLOLPROPANE TRIACRYLATE 28961-43-5	1-10	Not listed	Not listed
TETRASODIUM EDTA 64-02-8	1-10	Not listed	Not listed
ACRYLONITRILE-BUTADIENE POLYMER 9003-18-3	1-10	Not listed	Not listed
P-TOLUENESULFONYL CHLORIDE 98-59-9	1-10	Not listed	Not listed

3. HAZARDS IDENTIFICATION

Toxicity: May cause eye and skin irritation. May cause skin sensitization. Exposure to vapors or mist may result in irritation of the respiratory tract.

Primary Routes of Entry: Eye and skin contact, ingestion, inhalation

Signs and Symptoms of Exposure: Eyes: Exposure to liquid or vapor causes moderate eye irritation. Symptoms may include burning, tearing, redness, stinging, blurred vision and corneal injury. Skin redness. Repeated skin contact may cause allergic skin reactions. Excessive overexposure may cause giddiness, dizziness, headache, nausea and in extreme cases, unconsciousness and respiratory depression. Moderately toxic if swallowed. Irritating to mouth, throat and stomach with nausea.

Component:	Weight%	NTP	ACGIH Carcinogens	IARC Carcinogen
METHYL METHACRYLATE 80-62-6	35-60	male rat-no evidence; female rat-no evidence; male mice- no evidence; female mice-no evidence	A4 - Not Classifiable as a Human Carcinogen	Group 3: Monograph 60, 1994
BUTYLATED HYDROXY TOLUENE 128-37-0	1-10	Male Rat - No Evidence; Female Rat - No Evidence; Male Mice - No Evidence; Female Mice - No Evidence	A4 - not classifiable	Group 3 Vol 40 Supp 7, pg 59; 1987; Monograph 40, 1986

Aggravated Medical Condition: Preexisting eye, skin and respiratory disorders may be aggravated by overexposure to this product.

4. FIRST AID MEASURES

Ingestion:	If swallowed, do not induce vomiting - seek medical advice. Never give anything by mouth to an unconscious person.
Inhalation:	Move to fresh air in case of accidental inhalation of vapours. Obtain medical attention.
Skin Contact:	Remove contaminated clothing. Wash area with soap and water. If irritation persists, seek medical attention
Eye Contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists

5. FIRE FIGHTING MEASURES

Flash Point °F(C°):	52.7°F (11.5°C)
Recommended Extinguishing Media:	Carbon dioxide, Dry chemical, Foam
Special Fire-Fighting Procedures:	Firefighters should wear self-contained breathing apparatus and protective clothing to prevent all skin and eye contact
Hazardous Products of Combustion:	Oxides of carbon, Oxides of nitrogen
Unusual Fire/Explosion Hazards:	Flammable. Closed containers may rupture or explode when exposed to extreme heat. Keep containers cool.
Lower Explosive Limit:	1.6%
Upper Explosive Limit:	12.5%

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures:	Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal. Prevent from entering waterways or sewers.
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7. HANDLING AND STORAGE

Storage:	Store away from heat, sparks or open flame. Do not store at temperatures above 100°F (38°C).
Handling:	Do not use near heat, sparks or open flame. Do not inhale vapors. Avoid contact with skin and eyes. Wash thoroughly after handling.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes:	Safety glasses.
Skin:	Neoprene or nitrile gloves recommended. Wash contaminated clothing before re-use.
Ventilation:	Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.
Respiratory Protection:	An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White viscous liquid
Odor:	Solvent
Boiling Point:	213°F (100.5°C)
pH:	Not applicable
Solubility in Water:	Slight
Specific Gravity:	0.95
VOC(Wt.%):	<50 g/L
Vapor Pressure:	28 mmHg @ 68°F
Vapor Density (Air=1):	>1
Evaporation Rate:	>1 (butyl acetate = 1)

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable
Hazardous Polymerization:	Will not occur
Incompatibilities:	Strong oxidizers, Reducing agents
Conditions to Avoid:	Keep away from heat, sparks and open flame
Hazardous Products of Combustion:	Oxides of carbon, Oxides of nitrogen

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

Product Name: VERSACHEM PLASTIC WELDER
(ADHESIVE)

Item No. 47809

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations
US EPA Waste Number: D001 as per 40CFR 261.21

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

U.S. Department of Transportation - DOT - 49 CFR (Ground)

DOT Shipping Name: Adhesives, Limited Quantity
Hazard Class: Class 3, PG II
UN/ID Number: UN 1133

IATA (Air)

Proper Shipping Name: Consumer Commodity
Class or Division: Class 9
UN/ID Number: ID 8000

IMDG (Vessel)

Proper Shipping Name: Adhesives, Limited Quantity
Hazard Class: Class 3, PG II
UN Number: UN 1133

Marine Pollutant: None

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

Methyl methacrylate monomer

California Proposition 65: No California Prop 65 chemicals are known to be present.

TSCA Inventory Status: All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 3, REACTIVITY 2.
Estimated HMIS Classification: HEALTH 2, FLAMMABILITY 3, PHYSICAL HAZARD 0
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