

SDS# PRO-WELD PW
Date: February 2017

Pro-Weld PVC Cement

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Pro-Weld PW PVC Cement
Catalog Number: PW-4, PW-8, PW-16, PW-32
Manufactured for: DiversiTech Corporation
6650 Sugarloaf Parkway
Duluth, GA, 30097

Information Phone No: 1+678-542-3600
EMERGENCY Phone No.: 1+800.434.9300 Chem-Tel (Chemical Emergencies Only)

SECTION 2. HAZARDOUS IDENTIFICATION

2.1 Classification

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Serious eye damage/eye irritation	Category 2
Carcinogenicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Flammable Liquids	Category 2

2.2 Label elements:

Hazards Not Otherwise Classified (HNOC)

May be harmful in contact with skin

Label Elements:



Signal Word Danger!

Hazard Statement(s)

Highly flammable liquid and vapor. Harmful if swallowed. Harmful if inhaled. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer.

Precautionary statement(s)

Precautionary Statements - Prevention

Obtain Special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Wear protective gloves/protective clothing/eye protection/face protection. Keep cool

Precautionary Statements - Response

If exposed or concerned: Get medical advice/attention.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor/physician IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Rinse mouth. IN CASE OF FIRE: Use CO2, dry chemical, or foam for extinction

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SECTION 2. HAZARDOUS IDENTIFICATION (cont.)

Precautionary Statements - Storage

Store in a well-ventilated place. Keep container tightly closed. Store locked up. Keep cool

Precautionary Statements - Disposal

Dispose of contents/container according to local and national regulations.

WHMIS Classification

Class B-Division 2 Class D-Division 2A Class D-Division 2B

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	Weight%
Tetrahydrofuran	109-99-9	Proprietary
Methyl ethyl ketone	78-93-3	Proprietary
Cyclohexanone	108-94-1	Proprietary
Acetone	67-64-1	Proprietary
PVC Resin	9002-86-2	Proprietary

* The exact percentage (concentration) of composition has been withheld as a trade secret

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

General Advice - If exposed or concerned: Get medical advice/attention.

Eye Contact - In case of irritation from airborne exposure, move to fresh air. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.

Skin Contact - Take off contaminated clothing. Wash with soap and water. If symptoms persist, call a physician. Wash contaminated clothing before reuse.

Inhalation - Remove to fresh air. If symptoms persist, call a physician. If breathing is difficult, give oxygen. Seek immediate medical attention/advice.

Ingestion - Rinse mouth. Seek medical attention. If drowsy or unconscious, do not give anything by mouth; place individual on the left side with head down. Do not induce vomiting.

Most important symptoms and effects

Symptoms - Exposed individuals may experience eye tearing, redness and discomfort. Prolonged or repeated skin contact may result in dermatitis (red, dry skin). May cause nose and throat irritation, with possible central nervous system effects. Fatigue and weakness. May cause drowsiness or dizziness. Long term overexposure may cause liver and kidney damage.

Indication of any immediate medical attention and special treatment needed

Notes to Physician - Treat symptomatically. Individuals with chronic respiratory, skin, kidney, or liver disorders may be at increased risk from exposure.

SECTION 5. FIREFIGHTING MEASURES

5.1 Suitable Extinguishing Media

Foam. Carbon dioxide (CO₂). Dry chemical.

Unsuitable Extinguishing Media - Water spray or stream.

Specific Hazards Arising from the Chemical

Class IB Flammable Liquid. Vapors may travel to source of ignition and flash back.

Hazardous Combustion Products - Carbon oxides. Various hydrocarbon vapors and toxic gases.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions - Use personal protective equipment as required. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Persons not wearing proper personal protective equipment should be excluded from area of spill.

Environmental Precautions - Do not allow into any sewer, on the ground or into any body of water.

Methods and material for containment and cleaning up

Methods for Containment - Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up - Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product. Transfer contaminated absorbent, soil and other materials to containers for disposal.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on Safe Handling

Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not eat, drink or smoke when using this product. Avoid breathing vapors or mists. Use only in well-ventilated areas. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Use spark-proof tools and explosion-proof equipment. Take precautionary measures against static discharges. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, solid) all hazard precautions given in the data sheet must be observed. Avoid prolonged contact with eyes, skin, and clothing. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Store containers upright. Store away from heat, sparks, flame.

Incompatible Materials

Oxidizers. Acids. Bases.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Tetrahydrofuran 109-99-9	STEL: 100 ppm TWA: 50 ppm S*	TWA: 200 ppm TWA: 590 mg/m ³ (vacated) TWA: 200 ppm (vacated) TWA: 590 mg/m ³ (vacated) STEL: 250 ppm (vacated) STEL: 735 mg/m ³	IDLH: 2000 ppm TWA: 200 ppm TWA: 590 mg/m ³ STEL: 250 ppm STEL: 735 mg/m ³
Acetone 67-64-1	STEL: 750 ppm TWA: 500 ppm	TWA: 1000 ppm TWA: 2400 mg/m ³ (vacated) TWA: 750 ppm (vacated) TWA: 1800 mg/m ³ (vacated) STEL: 2400 mg/m ³ The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors (vacated) STEL: 1000 ppm	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m ³

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SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION (cont.)

Methyl ethyl ketone 78-93-3	STEL: 300 ppm TWA: 200 ppm	TWA: 200 ppm TWA: 590 mg/m3 (vacated) TWA: 200 ppm (vacated) TWA: 590 mg/m3 (vacated) STEL: 300 ppm (vacated) STEL: 885 mg/m3	IDLH: 3000 ppm TWA: 200 ppm TWA: 590 mg/m3 STEL: 300 ppm STEL: 885 mg/m3
Cyclohexanone 108-94-1	STEL: 50 ppm TWA: 20 ppm S*	TWA: 50 ppm TWA: 200 mg/m3 (vacated) TWA: 25 ppm (vacated) TWA: 100 mg/m3 (vacated) S*	IDLH: 700 ppm TWA: 25 ppm TWA: 100 mg/m3
PVC Resin 9002-86-2	TWA: 1 mg/m3 respirable fraction	-	-

8.2 Appropriate engineering controls

Engineering Controls - Apply technical measures to comply with the occupational exposure limits. Ventilation systems. Eyewash stations. Showers. Mechanical exhaust (explosion proof) may be required.

8.3 Individual protection measures, such as personal protective equipment

Eye/Face Protection - Splash goggles or safety glasses.

Skin and Body Protection - Rubber gloves. Use body protection appropriate for task.

Respiratory Protection - Not required under normal conditions. If recommended levels are exceeded, respiratory protection must be selected to assure compliance with OSHA Standard 29CFR 1910.134.

General Hygiene Considerations - Handle in accordance with good industrial hygiene and safety practice.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Odor	Ether-like
Odor Threshold	0.88 ppm
Physical State	Liquid
Appearance	Liquid
Color	Clear
pH	No data available
Melting Point/Freezing Point	-108 °C / -163 °F
Boiling Point/Boiling Range	56 °C / 133 °F
Flash point	-20 °C / -4 °F
Evaporation rate	> 1.0 (butyl acetate = 1)
Flammability (Solid, Gas)	n/a-liquid
Upper Flammability Limits	12.8%
Lower Flammability Limit	1.8%
Vapour Pressure	190 mm Hg @ 20°C (68°F)
Vapour density	2.5 (Air=1)
Specific Gravity	0.890
Solubility	Solvent portion soluble in water. Resin portion separates out.
Partition coefficient:	No data available
Auto-ignition temperature	321 °C / 610 °F
Decomposition temperature	No data available
Viscosity	Regular bodied

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SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

Not reactive under normal conditions.

10.2 Chemical Stability

Stable under recommended storage conditions.

10.3 Possibility of Hazardous Reactions

None under normal processing.

10.4 Hazardous Polymerization Hazardous polymerization does not occur.

10.5 Conditions to Avoid

Avoid heat, sparks, open flames and other ignition sources.

10.6 Incompatible Materials

Oxidizers. Acids. Bases.

10.7 Hazardous Decomposition Products

Carbon oxides. Hydrogen chloride. Other various hydrocarbons.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on likely routes of exposure

Product Information

Eye Contact - Causes serious eye irritation.

Skin Contact - May be harmful in contact with skin.

Inhalation - Harmful if inhaled.

Ingestion - Harmful if swallowed.

11.2 Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Tetrahydrofuran 109-99-9	= 1650 mg/kg (Rat)	-	= 53.9 mg/L (Rat) 4 h = 180 mg/L (Rat) 1 h
Acetone 67-64-1	= 5800 mg/kg (Rat)	-	-
Methyl ethyl ketone 78-93-3	= 2737 mg/kg (Rat)	= 6480 mg/kg (Rabbit)	-
Cyclohexanone 108-94-1	= 800 mg/kg (Rat)	= 948 mg/kg (Rabbit)	= 10.7 mg/L (Rat) 4 h = 8000 ppm (Rat) 4 h

11.3 Information on physical, chemical and toxicological effects

Symptoms - Please see section 4 of this SDS for symptoms.

11.4 Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity - The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

Chemical Name	ACGIH	IARC	NTP	OSHA
Tetrahydrofuran 109-99-9	A3			
Cyclohexanone 108-94-1	A3	Group 3		
PVC Resin 9002-86-2		Group 3		

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SECTION 11. TOXICOLOGICAL INFORMATION (cont.)

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 3 IARC components are "not classifiable as human carcinogens"

STOT - single exposure - May cause respiratory irritation. May cause drowsiness or dizziness.

11.3 Numerical measures of toxicity

Not determined

SECTION 12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Tetrahydrofuran 109-99-9		1970 - 2360: 96 h Pimephales promelas mg/L LC50 flow-through 2700 - 3600: 96 h Pimephales promelas mg/L LC50 static		5930: 24 h Daphnia magna mg/L EC50
Acetone 67-64-1		4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirus mg/L LC50	EC50 = 14500 mg/L 15 min	10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50
Methyl ethyl ketone 78-93-3		3130 - 3320: 96 h Pimephales promelas mg/L LC50 flow-through	EC50 = 3403 mg/L 30 min EC50 = 3426 mg/L 5 min	520: 48 h Daphnia magna mg/L EC50 5091: 48 h Daphnia magna mg/L EC50 4025 - 6440: 48 h Daphnia magna mg/L EC50 Static
Cyclohexanone 108-94-1	20: 96 h Chlorella vulgaris mg/L EC50	481 - 578: 96 h Pimephales promelas mg/L LC50 flow-through 8.9: 96 h Pimephales promelas mg/L LC50	EC50 = 18.5 mg/L 5 min EC50 = 21.3 mg/L 10 min EC50 = 25 mg/L 5 min	800: 24 h Daphnia magna mg/L EC50

Persistence/Degradability

Not determined.

Bioaccumulation

Not determined.

12.2 Mobility

Chemical Name	Partition Coefficient
Tetrahydrofuran 109-99-9	0.45
Methyl ethyl ketone 78-93-3	0.29
Cyclohexanone 108-94-1	0.86
Acetone 67-64-1	-0.24

12.3 Other Adverse Effects

Not determined

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SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Disposal of Wastes - Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging - Disposal should be in accordance with applicable regional, national and local laws and regulations.

13.2 US EPA Waste Number

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Tetrahydrofuran 109-99-9				U213
Acetone 67-64-1			Included in waste stream: F039	U002
Methyl ethyl ketone 78-93-3	U159	Included in waste streams: F005, F039	200.0 mg/L regulatory level	U159
Cyclohexanone 108-94-1		Included in waste stream: F039		U057

13.3 California Hazardous Waste Status

Chemical Name California Hazardous Waste Status

Tetrahydrofuran 109-99-9	Toxic Ignitable
Methyl ethyl ketone 78-93-3	Toxic Ignitable
Acetone 67-64-1	Ignitable

SECTION 14. TRANSPORTATION INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances. Shipments of containers holding 5 Liters or less per inner packaging may qualify for a "Limited Quantity" exception. Refer to 49 CFR 173.150 for additional information.

DOT

UN/ID No	UN1133
Proper Shipping Name	Adhesives
Hazard Class	3
Packing Group	II

IATA

UN/ID No	UN1133
Proper Shipping Name	Adhesives
Hazard Class	3
Packing Group	II

IMDG

UN/ID No	UN1133
Proper Shipping Name	Adhesives
Hazard Class	3
Packing Group	II
Marine Pollutant	No

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SECTION 15. REGULATORY INFORMATION:

15.1 International Inventories

TSCA Listed

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

15.2 US Federal Regulations

CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Tetrahydrofuran 109-99-9	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
Methyl ethyl ketone 78-93-3	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Cyclohexanone 108-94-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ
Acetone 67-64-1	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

SARA 313

Not determined

15.3 US State Regulations

California Proposition 65

This product may contain trace levels of chemicals known to the State of California to cause cancer. Exposure to these chemicals above the State of California 'No Significant Risk Level' is unlikely under normal use conditions.

15.4 U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Tetrahydrofuran 109-99-9	X	X	X
Acetone 67-64-1	X	X	X
Methyl ethyl ketone 78-93-3	X	X	X
Cyclohexanone 108-94-1	X	X	X
PVC Resin 9002-86-2	X		

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SECTION 16. OTHER INFORMATION:

HMIS CLASSIFICATION

NFPA

Health Hazards	Flammability	Instability	Special Hazards
2	3	0	None

HMIS

Health	2
Flamability	3
Physical Hazard	0
Personal Protection	B

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.