

Pro-Weld™ PVC Cement

MSDS# PW
April 2008

SECTION 1. PRODUCT NAME

Catalog No. PW-4, PW-8, PW-16 PW-32
 Manufacturer: Diversitech
 Address: 6650 Sugarloaf Parkway, Duluth, GA
 Chem-Tel Phone: (800) 255-3924 – (Chemical Emergencies Only)
 Other Calls (Product Information): (678) 542-3600
 Fax: (678)-542-3700
 Chemical Name: Mixture
 Chemical Family: Adhesive
 Chemical Formula: Proprietary
 Product Use: PVC Pipe Solvent Cement
 Prepared By: Anthony Jernigan

SECTION 2. HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS No.	OSHA PEL	ACIGH TLV	OTHER STEL	% or Range
Acetone	67-64-1	750ppm	750ppm		5-10
Cyclohexanone	540-88-5	200ppm	200ppm		10-20
Methyl Ethyl Ketone	156-60-5	200 ppm	None		30-50
PVC Resin	9003-22-9	10 ppm			10-20
Tetrahydrofuran	460-73-1	200 ppm		300 ppm TWA- 8hrs. (ACIGH Biological Exposure Limit)	20-30

SECTION 3. HAZARDS IDENTIFICATION

Emergency Overview: Slightly viscous transparent liquid with an ether-like odor. Highly flammable material. Overexposure may cause dizziness and loss of concentration. At higher levels, CNS depression and cardiac arrhythmia may result from exposure. Vapors displace air and can cause asphyxiation in confined spaces.

Effects of Repeated Exposure: Symptoms of excessive exposure may be anesthetic or narcotic effects; dizziness and drowsiness may be observed. In animals, effects have been reported on the following organs: Blood. Kidney. Liver. Development of cataracts has been reported in laboratory animals after prolonged repeated skin exposure to acetone.

Birth Defects/Developmental Effects: Has been toxic to the fetus in lab animals at doses toxic to the mother.

Skin: Mildly irritating.

Eyes: Contact with liquid or vapors may cause pain and moderate irritation.

Inhalation: The components of Pro-Weld are of a low order of toxicity in animals. At high levels of exposure, cardiac arrhythmia may occur. When oxygen levels are reduced to 12-14% by displacement, symptoms of asphyxiation, loss of co-ordination, increased pulse rate and deeper respiration will occur. Effects from inhalation of mists and vapors vary from mild to moderate irritation of the upper respiratory tract, depending on severity of exposure. Abusive or excessive inhalation of vapors may cause irritation to the upper respiratory tract, dizziness, nausea and other central nervous system effects.

Ingestion: Swallowing can cause gastro-intestinal irritation, nausea, vomiting, diarrhea. Aspiration of material into the lungs can cause chemical pneumonitis.

Skin Contact: Frequent or prolonged contact may cause mild irritation. Repeated contact may cause drying or flaking of skin.

Aggravation of Pre-existing Conditions: Persons with pre-existing skin disorders or eye problems or impaired respiratory function may be more susceptible to the effects of the product.

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SECTION 4. FIRST AID

Inhalation: IMMEDIATELY leave the contaminated area; take deep breaths of fresh air. If symptoms (such as wheezing, coughing, shortness of breath, or burning in the mouth, throat, or chest) develop, call a physician and be prepared to transport the victim to a hospital. Provide proper respiratory protection to rescuers entering an unknown environment.

Ingestion: Call the nearest poison control center or the National Poison Control hotline at 1-800-222-1222 for advice immediately. Do not induce vomiting, unless directed to do so by a physician. If victim is conscious and alert, give 2-3 glasses of water to drink. Do not leave victim unattended. To prevent aspiration of swallowed product, lay victim on side with head lower than waist. Vomiting may occur spontaneously.

Skin: IMMEDIATELY flood affected skin with water while removing and isolating all contaminated clothing. Gently wash all affected skin areas thoroughly with soap and water. If symptoms such as redness or irritation develop, IMMEDIATELY call a physician and be prepared to transport the victim to a treatment center.

Eyes: First check the victim for contact lenses and remove if present. Flush victim's eyes with water or normal saline solution for 20 to 30 minutes while simultaneously calling a hospital or poison control center. Do not put any ointments, oils, or medication in the victim's eyes without specific instructions from a physician. Get medical assistance IMMEDIATELY after flushing eyes even if no symptoms (such as redness or irritation) develop.

Ingestion: Do Not Induce Vomiting. Volatile chemicals have a high risk of being aspirated into the victim's lungs during vomiting which increases the medical problems. If the victim is conscious and not convulsing, give 1 or 2 glasses of water to dilute the chemical and IMMEDIATELY call a hospital or poison control center for advice. The phone number for the National Poison Control Center is 1-800-222-1222. If the victim is convulsing or unconscious, do not give anything by mouth, ensure that the victim's airway is open and lay the victim on his/her side with the head lower than the body. IMMEDIATELY transport the victim to a hospital.

Advice To Physician: Treat symptomatically. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5. FIREFIGHTING MEASURES

Flash Point: 21°F (TCC) **Lower Flammable Limit:** 1.4% **Upper Flammable Limit:** 11.4%

Extinguishing Media: Water spray, fog or mist, alcohol foam, carbon dioxide, dry chemicals, sand, etc.

Unusual Fire and Explosion Hazards: Solvent vapors are heavier than air. They may travel a considerable distance to source of ignition and flash back.

Solvent vapors may form explosive mixture with air. Heat may cause containers to explode.

Special Fire Fighting Precautions/Instructions against suffocation and possible toxic decomposition products. Proper eye and skin protection should be provided. Use water spray to keep fire-exposed containers cool and to knock down vapors which may result from product decomposition.

Hazardous Combustion Products: May liberate carbon monoxide and carbon dioxide

SECTION 6. SPILL/ACCIDENTAL RELEASE MEASURES

Spill Cleanup Methods: Extinguish or remove all ignition sources and ensure that all handling equipment in the area is electrically grounded. Ventilate area of leak or spill. Keep unnecessary and unprotected personnel away from area of spill. Remove contaminated clothing immediately. Only personnel equipped with proper respiratory and eye/skin protection should be permitted in the area until air has been tested and determined safe, including low lying areas.

Pro-Weld spills are slippery. Use caution when moving through the area of the spill.

For small spill or drips, mop or wipe up and dispose of in DOT-approved waste containers.

Contain large spills, by diking with soil or other non-combustible absorbent materials and then pump into DOT-approved waste containers; or absorb with non-combustible sorbent materials, then place residue in DOT-approved waste containers. Keep out of sewers, storm drains, surface water and soil.

Contain and absorb liquid with clay, vermiculite or other inert substance and package in a suitable container for disposal. Dispose of absorbed material in accordance with Federal, local and state regulations.

Spills and releases may have to be reported to Federal and/or local authorities. See Section 15 regarding reporting requirements.

SECTION 7. HANDLING AND STORAGE

Normal Handling: (Always wear recommended personal protective equipment.)

Avoid breathing vapors or liquid contact with eyes, skin or clothing. Do not puncture or drop containers, expose them to open flame, sparks, excessive heat, or direct sunlight. Use approved containers only.

Storage Recommendations: Store in a cool, dry, well-ventilated place away from sources of heat, moisture and incompatible materials. Electrically ground all equipment when handling this product and use only non-sparking tools. Keep container tightly closed when not in use. Do not use pressure to empty container. Wash thoroughly after handling. Do not get in eyes, on skin or on clothing. Protect from physical damage. Store in a cool, dry, ventilated area away from. Empty containers of this material, pose no disposal hazard and may be recycled. Keep this and all chemicals out of the reach of children. Wash thoroughly after handling

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Airborne Exposure Limits: 700 ppm
OSHA Permissible Exposure Limit (PEL): 700ppm (Acetone)
ACGIH Threshold Limit Value (TLV): 700ppm (Acetone)

ENGINEERING CONTROLS:

Ventilation System: A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control emissions at the source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details. Both local exhaust and good general room ventilation must be provided not only to control exposure but also to prevent formation of flammable mixture. Electrical equipment should be grounded and conform to applicable electrical code.

PERSONAL PROTECTIVE EQUIPMENT:

Skin Protection: Use protective, impervious gloves and clothing made of neoprene, nitrile or butyl rubber if prolonged or repeated contact with liquid is anticipated. Wash clothing promptly, if wet. Remove any non-impervious clothing and wash before re-use.

Eye Protection: For normal conditions, wear safety glasses. Where there is reasonable probability of liquid contact, wear splash-proof goggles. Contact lenses should not be worn under such conditions.

Respiratory Protection: None required for normal work situations where adequate ventilation is provided. If exposure can potentially exceed the exposure limit(s), respiratory protection recommended or approved by appropriate local, state or international agency must be used. Use NIOSH approved self-contained, positive pressure respirators for emergencies and in situations where air may be displaced by vapors.

Work Hygienic Practices: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Wash hands before eating, drinking, smoking, or using toilet facilities. Use good personal hygiene practices. Promptly remove soiled clothing/wash thoroughly before reuse.

SECTION 9. PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: 155°F	Specific gravity (H2O = 1): 0.90
Vapor pressure (psia @ 20°F): 1.35	Vapor Density (Air = 1): 2.1 @ 70°F
Evaporation Rate (Butyl Ac = 1): ~1	VOC Content: 635 grams/liter
Solubility in water: Water miscible	pH @ 25°C: N/A
Appearance: Slightly viscous transparent liquid.	Odor: Sweet ether-like odor

SECTION 10. STABILITY AND REACTIVITY DATA

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: Carbon monoxide, Carbon dioxide,

Hazardous Polymerization: Will not occur under normal conditions of storage and handling.

Incompatibilities: Avoid contact with strong oxidizing agents, strong alkalis and strong acids.

Conditions to Avoid: Heat, incompatibles.

SECTION 11. TOXICOLOGY INFORMATION

Acute Toxicity:

Acetone:

LC 50 Rat: >16000 ppm, 4 hour (Inhl)

LD 50 Rat: 5,800 mg/kg (Oral)

Cyclohexanone:

LD50 RAT = 1620 mg/kg (Oral)

Methyl Ethyl Ketone:

LC50 RAT: 23500 mg / m3 / 8H (Inhl)

LD50 RAT: 2737mg/kg (Oral)

Tetrahydrofuran 109-99-9

LC50 Rat: 18,000 PPM (vapor) 4 hour (Inhl)

LD50 Rat : 3240 mg/kg (Oral)

Acute Toxicity – Effects Skin Contact: Slight skin absorption is expected, but there are no data to indicate if sufficient quantities can be absorbed to result in systemic effect.

Carcinogenicity: None known by NTP, IARC and OSHA listing.

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SECTION 12. ECOLOGICAL INFORMATION

Environmental Fate:

No information found.

Environmental Toxicity:

This material is expected to be non-hazardous to aquatic species.

Partition Coefficient: Log POW = Not established

SECTION 13. DISPOSAL CONSIDERATIONS

Dispose of spill-clean up and other wastes in accordance with Federal, State, and local regulations. Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. All spent material must be disposed of in accordance with all applicable Federal and State RCRA Regulations. Consult with appropriate regulatory agencies before disposing of waste material. The information offered here is for the product as shipped. Use and/or alterations to the product such as mixing with other materials may significantly change the characteristics of the material and alter the RCRA classification and the proper disposal method. The unused product is an RCRA hazardous waste if discarded. The RCRA ID number(s) are: D001, D035, F003, F005

EPA Hazard Waste Class:

Ignitable Waste (Acetone, Methyl Ethyl Ketone content)

Toxic Waste (Methyl Ethyl Ketone content)

SECTION 14. TRANSPORTATION INFORMATION

US DOT: Consumer Commodity (for containers of with a capacity of 1 liter or less), ORM-D

INTERNATIONAL**Water, I.M.O.:**

Dangerous Goods Description: UN1133, Adhesive (Containing a flammable liquid) ,Class 3, PGIII, Ltd Qty.

Marine Pollutant: No

For Transportation Emergency, refer to 2008 North American Emergency Response Guidebook Number: 127 or 128.

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SECTION 15. REGULATORY INFORMATION

EC Classification:

Labeling

Risk phrases:

R12 Extremely flammable

R20 Harmful by inhalation

R22 Harmful if swallowed

Safety phrases

S2: Keep out of reach of children

S9: Keep container in a well-ventilated place.

S16: Keep away from sources of ignition - No smoking.

S23: Do not breathe, vapor or spray

US EPA:

Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA): Spills or releases resulting in the loss of any ingredient at or above its RQ requires immediate notification to the National Response Center [(800) 424-8802] and to your Local Emergency Planning Committee.

RQ: 5000 pounds (methyl ethyl ketone; tetrahydrofuran)

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III emergency planning based on threshold planning quantities and release reporting based on reportable quantities in 40 CFR 355 (used for SARA 302, 304, 311, and 312) is not required.

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This material is not subject to reporting requirements.

Toxic Substances Control Act (TSCA) Status: The ingredients of this product are on the TSCA inventory.

State Right to Know

California Proposition 65: This product contains materials known to the state to cause cancer. We believe that under conditions of proper use, according to label directions, this product presents No Significant Risk Level.

Massachusetts: Hazardous substances and extraordinarily hazardous substances must be identified.

Pennsylvania: Hazardous substances must be identified.

California SCAQMD Rule 443.1 (VOC's): 635 grams/liter

SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No Reactivity: No

WHMIS:

This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

Acetone meets the Canadian WHMIS criteria for classes:

B2: Flammable and combustible material: Flammable liquid

D2B- Poisonous and Infectious material-Other Effects: Toxic

D2A

FOREIGN INVENTORY STATUS:

Europe: The components of this product are on the EINECS inventory or are exempt from inventory requirements.

Japan: No Data

Canada: Notified Listed DSL

Australia: Notified

SECTION 16. OTHER INFORMATION

NFPA Ratings:

NFPA Classification: Health - 2, Flammability - 3, Reactivity - 1

HMISIII Classification: Health - 2, Flammability - 3, Physical Hazard - 1

Label Hazard Warning: Danger: Extremely Flammable. Avoid breathing vapors. Avoid eye contact and prolonged skin contact. Harmful or fatal if swallowed.

Keep out of reach of children. Use only with adequate ventilation.

eyes. Avoid breathing fumes vapors or mists. Do not take internally. May be harmful or fatal if swallowed.

Label First Aid:

For eye contact, rinse the eyes with running water for 15 minutes, lifting the eyelids occasionally to flush the area behind the lid. If irritation persists, get medical attention. For skin contact, wash the affected area with soap and water, then rinse thoroughly with water. Wash contaminated clothing before re-use.

For inhalation, remove affected individual to fresh air. If the victim is not breathing, administer artificial respiration. If breathing is difficult, administer oxygen.

Get medical attention. If swallowed, do not induce vomiting. Dilute by drinking 3-4 glasses of water or milk, and call the nearest poison control center or the National Poison Control Hotline 1-800-222-1222 for advice.

Product Use: Cleaner/Primer for PVC pipe.

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SECTION 17. ADDITIONAL INFORMATION

This information is provided in accordance with the requirements of the UK Health and Safety at Work Act 1974, and specifically in order to assist users of the product to make their 'assessment of health risks' as required by the UK Control of Substances Hazardous to Health Regulation 1988 (COSHH assessments). Provision of this information does not preclude users from seeking advice from other sources as indicated in the COSHH guides. This information is intended to cover potential hazards at the place of work and does not detail medical uses, indications, contra-indications and precautions for the treatment of patients.

SECTION 18. MANUFACTURED FOR

Diversitech
6650 Sugarloaf Parkway, Suite 100
Duluth, GA 30097
Phone 1+678.542.3600
EMERGENCY Phone No. 1 800-255-3924 Chem-Tel (Chemical Emergencies Only)
International EMERGENCY Contact Phone No. 1 813-248-0585

SECTION 19. REFERENCE NUMBER AND DATE OF ISSUE

COSHH Safety Data Sheet: PW

Issued 04/11/2008

This information is, to the best of our knowledge and belief, accurate and reliable as of the date completed. However no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the completeness and suitability of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information, nor do we offer any warranty against patent infringement.