



Macoplast

UNIVERSAL® RPLS & PVC PIPES & FITTINGS

PIPE INDUSTRIES

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MSDS – PVC Solvent

TO WHOMSOEVER IT MAY CONCERN

INGREDIENTS (CAS Number)

Acetone (67-64-1), Amorphous Silica (112945-52-5), Cyclohexanone (108-94-4), Methyl Ethyl Ketone

(78-93-3), PVC Resin (9002-86-2), Tetrahydrofuran (109-99-9)

CHEMICAL PROPERTIES	
Appearance	Clear Liquid
Viscosity	Min. 90 cps @73° F ± 2° F
Density	895 Kg/m ³
Shelf Life	2 years from manufacture date

PHYSICAL PROPERTIES	
Temperature Range	4°C-43°C
Lap Shear Strength	(min. ASTM Standards)
2 hours	250 psi
16 hours	500 psi
72 hours	900 psi
Set Up Time	
30° F to 50° F	6 – 7 minutes
50° F to 70° F	4 – 5 minutes
70° F to 90° F	1 – 3 minutes

Precautions

Read all information carefully before using this product.

DANGER!: CAUSES SERIOUS EYE IRRITATION. HARMFUL IF INHALED. MAY CAUSE DROWSINESS OR

DIZZINESS. MAY CAUSE RESPIRATORY IRRITATION. REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS

OR CRACKING. Long term overexposure to solvents may cause damage to the brain, nervous system,

reproductive system, respiratory system, mucous membranes, liver and kidneys. Contains a chemical

classified by the US EPA as a suspected possible carcinogen. KEEP OUT OF REACH OF CHILDREN.

PRECAUTIONS: Avoid breathing vapors. Use only outdoors or in a well-ventilated area. Use explosionproof

electrical/ventilating equipment. Use only non-sparking tools. Take precautionary measures

against static discharge. Wear a NIOSH-approved respirator for organic solvents. Keep away from

heat/sparks/open flames/hot surfaces. No smoking. Vapors may accumulate in low places and may

ignite explosively. Keep container tightly closed and cool. Wear protective gloves and eye protection.

Wash thoroughly after handling. Do not eat or drink while using this product.

EMERGENCY/FIRST AID:

IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting. Rinse mouth. This

product may be aspirated into the lungs and cause chemical pneumonitis, a potentially fatal condition. If

IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing. If eye irritation persists, get medical attention. If ON SKIN: Rinse skin with

water/shower. Take off immediately all contaminated clothing. If

INHALED: Remove person to fresh air

and keep comfortable for breathing. Call POISON CENTER/doctor if you feel unwell. If medical advice is

needed, have product container or label at hand. FIRE: Use dry chemical, foam, or carbon dioxide

extinguisher. Water spray may be applied to reduce potential vapors or for cooling. Burning liquid

extinguished with water will float and may re-ignite on surface of water.

SPILLS: Remove all sources of

ignition and ventilate area. Personnel cleaning up the spill should wear appropriate personal protective

equipment, including respirators if vapor concentrations are high. Soak up spill with absorbent material.

Put absorbent material in covered, labeled metal containers. Dispose of contents/ container in

accordance with local regulations. Store in a well-ventilated space. Store locked up.

Directions for Use

Store and use at temperatures between 40°F and 110°F. At temperatures outside of this range, special

care must be taken to prepare good joints and prevent exposure to solvents. Stir or shake before using;

if jelly-like, don't use. Do not thin.

1. Cut pipe ends square, chamfer and clean pipe ends.
2. Check dry fit of pipe and fitting. Pipe should easily go 1/3 of the way into the fitting. If pipe bottoms, it should be snug.
3. Use a suitable applicator at least 1/2 the size of the pipe diameter. For larger size pipe systems use a natural bristle brush or roller.
4. Clean pipe and fitting with a listed primer.
5. Apply liberal coat of cement to pipe to the depth of the socket, leave no uncoated surface.
6. Apply a thin coat of cement to inside of fitting, avoid puddling of cement. Puddling can cause weakening and premature failure of pipe or fitting. Apply a second coat of cement to the pipe.
7. Assemble parts QUICKLY. Cement must be fluid. If cement surface has dried, recoat both parts.
8. Push pipe FULLY into fitting using a ¼ turning motion until pipe bottoms.
9. Hold pipe and fitting together for 30 seconds to prevent pipe push-out - longer at low temperatures.

Wipe off excess.

10. Allow 15 minutes for good handling strength and 2 hours cure time at temperatures above 60°F

before pressure testing up to 180 psi. Longer cure times may be required at temperatures below 60°F or

with pipe above 3".

DO NOT TEST WITH AIR.