



A CSW Industrials Company

PRODUCT DATA SHEET

CHARLIE™ 412L

Low VOC, CPVC Regular Body Solvent Cement

Description

Charlie 412L is a chlorinated poly vinyl chloride (CPVC) solvent cement used for joining CPVC pipe, tubing, and socket-type fittings which meet Class 23497 as defined in ASTM Specification D1784. Max VOC per SCAQMD 1168/316A or BAAQMD Method 40: 490 g/L.

Charlie 412L is an orange regular body cement.

Instructions

- 1. Store and apply between 40°F and 120°F. Protect from freezing. Do not thin or use if cement has become curdled, lumpy or thickened.
2. Wear non-permeable gloves during application to avoid skin contact.
3. Clean fitting socket and pipe, and check for proper fit. Apply PRIMER to all CPVC surfaces. While still wet, quickly begin solvent cement application.
4. Shake well before using and stir frequently while using. Apply with supplied dauber applicator. For pipe greater than 2" diameter, use natural-bristle brush sized 1/2 of the pipe diameter.
5. Apply thin coat evenly to socket. Avoid puddling. Quickly apply heavy coat to pipe end. While wet, quickly insert pipe into fitting with slight twisting movement until it bottoms out.
6. Hold pipe into fitting for at least 30 seconds to prevent pipe backing out.
7. Wipe excess cement from joint with rag. Allow 15 minutes before handling. Avoid full-line pressure for 24 hours. Cure times varies with size, fit, temperature and humidity.

For additional technical information, call Toll Free 1-800-231-3345.

Applications

Charlie 412L is specifically formulated for all CPVC pipe applications such as potable water, pressure pipe, sewers, and drain, waste and vent (DWV).

For use on Schedule 40 CPVC pipe up to 2".



Characteristics | Features

- UPC (IAPMO) listed under File No. 4586
• Meets ASTM F493 specifications
• Faster setting regular body formula is ideal where makeup time is at a premium on smaller diameter pipe

Packaging

Table with 5 columns: Code, Size, Qty. per Case, Lbs. per Case, Cubic Ft per Case. Rows include 55956 (1/4 Pint Dauber top) and 55957 (1/2 Pint Dauber top).

CHARLIE™ 412L

Low VOC, CPVC Regular Body Solvent Cement

Specifications

Wt/Gal @ 77°F	7.6 lbs./gal.
Flash Point SETA CC	15° F
Color	Orange
Shelf Life	2 years



FILE NO. 4586



pw-dwv-sw

Suggestions and recommendations covering the use of our products are based on our past experience and laboratory findings. However, as we have no control as to the methods and conditions of application, we only assume responsibility for the uniformity of our products within manufacturing tolerances.



DANGER!

Highly flammable liquid and vapor. Harmful if swallowed. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause drowsiness or dizziness. Contains a chemical classified by the US EPA as a suspected possible carcinogen.

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC-DAY OR NIGHT 1-800-424-9300.

CONTAINS: Methyl Ethyl Ketone 78-93-3, Tetrahydrofuran 109-99-9, Cyclohexanone 108-94-1, Acetone 67-64-1. PRECAUTIONS: Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ventilating/lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Long term repeated overexposures to solvents may cause damage to the brain, nervous system, reproductive system, respiratory system, mucous membranes, liver, and kidneys. **FIRST AID -** For any overexposure, get immediate medical attention after first aid is given. **EYES -** Flush 15 minutes with clean water. **SKIN -** Wash with soap and water. **INHALATION -** Remove to fresh air. **INGESTION -** DO NOT INDUCE VOMITING. Only if conscious, give large amounts of water. Do not reuse empty container. **KEEP OUT OF REACH OF CHILDREN.**

For additional information, refer to Safety Data Sheet.

Limited Warranty

RectorSeal, LLC makes the Limited Express Warranty that when the instructions for storage and handling of our products are followed we warrant our products to be free from defects. THIS LIMITED EXPRESS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND OF ANY OTHER OBLIGATION ON THE PART OF RectorSeal, LLC. The sole remedy for breach of the Limited Express Warranty shall be the refund of the purchase price. All other liability is negated and disclaimed, and RectorSeal, LLC shall not be liable for incidental or consequential damages.

Manufactured by

RectorSeal, LLC

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