



PRODUCT DATA SHEET

CHARLIE™ 412L HEAVY DUTY 811L

CPVC Solvent Cements

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DESCRIPTION:

These chlorinated poly vinyl chloride (CPVC) solvent cements are used for joining CPVC pipe, tubing, and socket-type fittings which meet Class 23497 as defined in ASTM Specification D 1784. Max VOC per SCAQMD 1168/316A or BAAQMD Method 40: 490 g/l.

Charlie™ 412L is an orange regular body cement.

Heavy Duty - 811L is an orange heavy body cement.

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CHARACTERISTICS:

- UPC (IAPMO) listed under File No. 4586
- Charlie™ 412L's faster setting regular body formula is ideal where makeup time is at a premium on smaller diameter pipe
- Meets ASTM F 493 specifications
- Heavy Duty - 811L's heavy body formula reduces product run-off and has excellent gap filling characteristics as well as superior bonding strength

- LEED Compliant

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APPLICATIONS:

These cements are specifically formulated for all CPVC pipe applications such as potable water, pressure pipe, sewers, and drain, waste and vent (DWV).

Charlie™ 412L is for use on CPVC pipe through 2" Schedule 40 (excluding Schedule 80).

Heavy Duty - 811L is for use on all classes of CPVC pipe through 12" Schedule 40 and Schedule 80.

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PACKAGING:

412L Code	811L Code	Size	Qty. Per Case	Lbs. per Case	Cu. Ft Per Case
55956	-----	1/4 pint dauber top (118 ml)	24 cans	10	.18
55957	-----	1/2 pint dauber top (237 ml)	24 cans	16	.45
55958	55967	Pint dauber top (473 ml)	12 cans	16	.43
55965	55968	Quart dauber top (946 ml)	12 cans	29	.78
55966	55971	Gallon can (3.8 L)	4 cans	33	.80

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INSTRUCTIONS:

1. Store and apply between 40 degree F and 120 degree F. Protect from freezing. Do not use if cement has become curdled, lumpy, thickened or is beyond two years from date stamped on container. Do not thin.
2. Cut pipe end square and remove ragged edges and burrs. Clean fitting socket and pipe of dirt, grease, and moisture, and check for proper fit. Apply PRIMER in accordance with instructions. While still wet, quickly begin solvent cement application.
3. Wear non-permeable gloves during application to avoid skin contact.
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 to

1/2 pipe diameter.

5. Apply thin coat evenly to socket. Quickly apply heavy coat to pipe end. Cement must remain wet. If not, recoat. Then 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 from backing out of tapered socket.
7. Wipe excess cement from joint with rag. Allow 15 minutes before handling. Avoid full-line pressure for 24 hours. Cure time varies with size, fit, temperature and humidity.

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

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PRECAUTIONS:

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

D A N G E R !

VAPORS EXTREMELY FLAMMABLE

VAPORS ARE HEAVIER THAN AIR AND CAN COLLECT IN LOW AREAS

VAPORS MAY CAUSE FLASH FIRE

CONTAINS: Tetrahydrofuran, Methyl Ethyl Ketone, Acetone and Cyclohexanone. PRECAUTIONS: Vapors extremely flammable. Harmful if swallowed or inhaled. Causes eye and skin irritation. Keep away from heat, sparks, and flames until vapors are gone. Use only with good cross-ventilation. Wear adequate protective gear and clothing. Avoid breathing vapors and contact with skin, eyes and clothing. Long term repeated overexposures to solvents may cause damage to the brain, nervous system, reproductive system, respiratory system, mucous membranes, liver, and kidneys. Wash after handling. **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. **FIRE AND SPILLS:** For fire, use water fog, CO₂, foam, or dry chemicals. Clean up spills immediately with inert absorbents. **STORAGE AND HANDLING:** Store in cool, well-ventilated area. Keep container upright and tightly closed. Do not reuse empty container. **KEEP OUT OF REACH OF CHILDREN.**

For additional information, refer to Material Safety Data Sheet.

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SPECIFICATIONS:

	Charlie(TM) 412	Heavy Duty 811
Wt/Gal @ 77 degree F	8.0+-.2 lbs/gal.	8.0 +-.2 lbs/gal.
Flash Point SETA CC	15 degree F	4 degree F

Color	Orange	Orange
Shelf Life	2 years	2 years



® File No. 4586



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.

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LIMITED WARRANTY:

RectorSeal® 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®. 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® shall not be liable for incidental or consequential damages.

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