1.0 SDS Information

A safety data sheet is readily available to all those having potential contact with the product. The SDS should be held in file for reference purposes as specified by the OSHA Worker Right to Know Requirements.

2.0 Scope

CureUV 510399 is a waterborne/UV curable hybrid finish that is low in volatile organic compounds (VOC's) and zero in hazardous air pollutants (HAP's). The coating dries to a clear, tack free finish and is UV cured for final hardness. It exhibits excellent adhesion to itself and to a variety of waterborne sealers. It has been specifically formulated for flooring applications and is recommended to be applied by roller or pad applicator, although other methods may be appropriate.

3.0 Material Properties

3.1 Certification of Analysis

3.1.1 Density, lb/gal:	8.50 – 9.00
3.1.2 Non-Volatiles, wt. %	27.00 – 30.00
3.1.3 VOC	
EPA Method (less water), lb/gal:	1.60
Actual wt.%:	5.92
Actual, lb/gal:	0.51
3.1.4 HAP, lb/lb:	Zero
3.1.5 Brookfield RVT Viscosity, cps (#2 spindle @ 21°C)	70 – 110
3.1.6 Surface Tension, dynes/cm:	29 – 31
3.1.7 Gloss Value (60°)	
3.1.7.1 Gloss	70+
3.1.7.2 Semi-Gloss	48 – 55
3.1.7.3 Semi-Satin	28 – 35
3.1.7.4 Satin	18 – 25
3.1.7.5 Matte	5 – 10
3.1.8 Cure Dose, mJ/cm^2	200 - 250

3.2 Other product information

3.2.1 Recommended wet film thickness:		3.00 – 4.00 mils
3.2.2 Cleanup:		
	wet coating	Water
	dry/cured coating	Cured coating is very chemically resistant and will require aggressive scrubbing/abrasion. Paint stripping chemicals may offer assistance following procedures accompanying such chemicals.

3.2.3 Material supplied "ready to use". In the event reduction is desired, only water is necessary. It is strongly suggested to contact Van Technologies for information pertaining to any corrective, and/or modifying actions.

3.2.4 Shelf Life: 6 months from date of manufacture.

4.0 Process requirements:

4.1 Optionally apply stain and allow to fully dry prior to application of seal coat.

4.2 Apply seal coat to a wet thickness between 3 mil – 4 mil and allow to fully dry.

4.2.1 Sealer drying/curing options prior to topcoat application:

4.2.1.1 Dry only prior to topcoat application, withholding UV curing until the final coat is applied and dried. This will promote adhesion between the seal coat and topcoat when intercoat abrasion conditions are less aggressive.

4.2.1.2 "B" staged cure conditions between 125 mJ/cm^2 and 175 mJ/cm^2 (UV-A) of the seal coat may also be used to promote adhesion between seal coat and topcoat when intercoat abrasion conditions are less aggressive.

4.2.1.3 Cure the seal coat prior to topcoat application using between 200 mJ/cm^2 and 250 mJ/cm^2 (UV-A) to permit full cure.

4.3 Sand seal coat surface using between 180 and 220 grit.

4.4 Apply topcoat to a wet thickness between 3 mil – 4 mil

4.5 Cure using between 200 mJ/cm^2 and 250 mJ/cm^2 (UV-A) to permit full cure.

4.6 Shipping/Stacking of Parts:

4.6.1 The cure finish is exceptionally durable and will not exhibit "blocking" under considerable stacking pressure.

5.0 Process Precautions:

5.1 Individuals should protect themselves with the use of appropriate personal protective equipment and clothing. Protective gloves, safety glasses, long sleeves and pant legs, and nonporous shoes are necessary for adequate protection. Any skin contamination should be immediately removed by thorough cleaning using soap or detergent followed by complete rinsing, repeating as necessary to remove all traces. Certain individuals may experience skin sensitivity upon exposure. Dry deposits on the skin may be especially irritating upon any exposure to UV or sunlight. Preventative precautions should be taken appropriately.

When spray application is being performed, adequate ventilation is necessary and the use of a spray booth in compliance with OSHA standards is recommended. It is common practice in many locations to dispose of used spray booth air filters as ordinary, non-hazardous solid waste but it is advised that each facility confirm that this practice is acceptable with local, state and federal regulations for their locale.