

Red paint for Waxy Foam Pipe



**Protective  
&  
Marine  
Coatings**

**SHER-CRYL™ HPA  
HIGH PERFORMANCE ACRYLIC**

B66-300 SERIES  
B66-350 SERIES

GLOSS  
SEMI-GLOSS

Revised: January 15, 2015

**PRODUCT INFORMATION**

1.26

**PRODUCT DESCRIPTION**

SHER-CRYL HPA is a new technology, ambient cured, one component acrylic coating with superior exterior performance properties. Provides performance comparable to high performance solvent based coatings such as urethanes and epoxies.

- Chemical resistant
- Superior color and gloss retention
- Outstanding early moisture resistance
- Flash rust/early rust resistant
- Low odor, low VOC
- Corrosion resistant
- Fast dry
- Outstanding application characteristics

**PRODUCT CHARACTERISTICS**

<b>Finish:</b>	High Gloss or Semi-Gloss
<b>Color:</b>	Wide range of colors available
<b>Volume Solids:</b>	38.5% ± 2%, Ultra White
<b>Weight Solids:</b>	51% ± 2%, Ultra White
<b>VOC (EPA Method 24):</b>	<200 g/L; 1.66 lb/gal

**Recommended Spreading Rate per coat:**

	Minimum	Maximum
<b>Wet mils (microns)</b>	<b>6.0 (150)</b>	<b>10.0 (250)</b>
<b>Dry mils (microns)</b>	<b>2.5 (63)</b>	<b>4.0 (100)</b>
<b>~Coverage sq ft/gal (m<sup>2</sup>/L)</b>	<b>154 (3.8)</b>	<b>247 (6.0)</b>
<b>Theoretical coverage sq ft/gal (m<sup>2</sup>/L) @ 1 mil / 25 microns dft</b>	<b>616 (15.1)</b>	

NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.

**Drying Schedule @ 7.0 mils wet (175 microns):**

	@ 50°F/10°C	@ 77°F/25°C 50% RH	@ 120°F/49°C
<b>To touch:</b>	1 hour	30 minutes	5 minutes
<b>To handle:</b>	8 hours	5 hours	15 minutes
<b>To recoat:</b>	8 hours	5 hours	15 minutes
<b>To cure:</b>	30 days	30 days	30 days

*Drying time is temperature, humidity, and film thickness dependent.*

<b>Shelf Life:</b>	36 months, unopened Store indoors at 50°F (10°C) to 100°F (38°C)
<b>Flash Point:</b>	>230°F (110°C) PMCC, mixed
<b>Reducer:</b>	Water R8K10 - WB Hot Weather Reducer up to 10%
<b>Clean Up:</b>	Water

**RECOMMENDED USES**

For use over prepared:

- Steel
- Aluminum
- Zinc rich primers
- Galvanizing
- Concrete
- Wood
- Masonry

Examples:

- Buildings
- Machinery
- Power plants
- Select Marine Structures
- Storage Tanks
- Equipment
- Piping
- Water treatment plants
- New Construction
- Structural Steel

- Suitable for use in USDA inspected facilities
- Can be used as a dryfall coating under certain environmental conditions (see Application Bulletin)
- Conforms to AWWA D102 OCS #3
- Acceptable for use in high performance architectural applications
- Acceptable for interior use / drywall
- Conforms to MPI #'s 154 & 164 (Gloss); 141, 153, & 163 (Semi-Gloss)
- Complies with performance criteria of SSPC Paint 24.
- FIRETEX Hydrocarbon Coatings

**PERFORMANCE CHARACTERISTICS**

**Substrate\*:** Steel

**Surface Preparation\*:** SSPC-SP10

**System Tested\*:**

2 cts. Sher-Cryl HPA @ 3.0 mils (75 microns) dft/ct  
\*unless otherwise noted below

Test Name	Test Method	Results
<b>Adhesion</b>	ASTM D4541	946 psi
<b>Corrosion Weathering<sup>1</sup></b>	ASTM D5894, 10 cycles, 3,360 hours	Rating 9 per ASTM D610 for rusting ; Rating 10 per ASTM D714 for blistering
<b>Direct Impact Resistance</b>	ASTM D2794	>100 in. lbs.
<b>Dry Heat Resistance</b>	ASTM D2485	300°F (149°C)
<b>Exterior Durability</b>	3 years, 45° South	Excellent
<b>Flexibility</b>	ASTM D522, 180° bend, 1/8" mandrel	Passes
<b>Humidity Resistance<sup>1</sup></b>	ASTM D4585, 1,250 hours	Rating 9 per ASTM D1654 for corrosion ; Rating 10 per ASTM D714 for blistering
<b>Pencil Hardness</b>	ASTM D3363	2B
<b>Salt Fog Resistance<sup>1</sup></b>	ASTM B117, 1,250 hours	Rating 9 per ASTM D1654 for corrosion ; Rating 10 per ASTM D714 for blistering
<b>Thermal Cycling</b>	ASTM D2246, 10 cycles	Passes

**Footnote:**

<sup>1</sup> 1 ct. Sher-Cryl HPA over 1 ct. Pro Industrial Pro-Cryl Universal Primer

Provides performance comparable to products formulated to federal specification: AA50570, and Paint Specification: SSPC-Paint 23 and 24.



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## PRODUCT INFORMATION

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### RECOMMENDED SYSTEMS

	Dry Film Thickness / ct.	
	Mils	(Microns)
<b>Steel:</b>		
2 cts. Sher-Cryl HPA	2.5-4.0	(63-100)
<b>Steel:</b>		
1 ct. Pro Industrial Pro-Cryl Universal Primer	2.0-4.0	(50-100)
1-2 cts. Sher-Cryl HPA	2.5-4.0	(63-100)
<b>Steel:</b>		
1 ct. DTM Acrylic Primer/Finish or Kem Bond HS or Zinc Clad Primer	2.5-5.0 2.0-5.0 3.0-5.0	(63-125) (50-125) (75-125)
2 cts. Sher-Cryl HPA	2.5-4.0	(63-100)
<b>Steel:</b>		
1 ct. Zinc Clad XI	3.0-4.0	(75-100)
2 cts. Sher-Cryl HPA	2.5-4.0	(63-100)
<b>Aluminum:</b>		
2 cts. Sher-Cryl HPA	2.5-4.0	(63-100)
<b>Aluminum:</b>		
1 ct. DTM Wash Primer	0.7-1.3	(18-32)
2 cts. Sher-Cryl HPA	2.5-4.0	(63-100)
<b>Galvanizing:</b>		
2 cts. Sher-Cryl HPA	2.5-4.0	(63-100)
<b>Concrete Block:</b>		
1 ct. Heavy Duty Block Filler	10.0-18.0	(250-450)
2 cts. Sher-Cryl HPA	2.5-4.0	(63-100)
<b>Concrete/Masonry:</b>		
2 cts. Sher-Cryl HPA	2.5-4.0	(63-100)
<b>Prefinished Siding: (Baked-on finishes)</b>		
1 ct. DTM Bonding Primer	2.0-5.0	(50-125)
2 cts. Sher-Cryl HPA	2.5-4.0	(63-100)
<b>Wood, exterior:</b>		
1 ct. A-100 Exterior Oil Wood Primer	1.5	(38)
2 cts. Sher-Cryl HPA	2.5-4.0	(63-100)
<b>Wood, interior:</b>		
1 ct. Premium Wall & Wood Primer	1.8	(45)
2 cts. Sher-Cryl HPA	2.5-4.0	(63-100)

The systems listed above are representative of the product's use, other systems may be appropriate.

### DISCLAIMER

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### SURFACE PREPARATION

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Do not use hydrocarbon solvents for cleaning.

Refer to product Application Bulletin for detailed surface preparation information.

Minimum recommended surface preparation:

Iron & Steel:	SSPC-SP2
Aluminum:	SSPC-SP1
Galvanizing:	SSPC-SP1
Concrete & Masonry:	SSPC-SP13/NACE 6, or ICRI No. 310.2R, CSP 1-3
* Wood:	Dry and sanded smooth
* Prefinished Siding:	SSPC-SP1
* Requires primer	

### Surface Preparation Standards

Condition of Surface	ISO 8501-1 BS7079:A1	Swedish Std. SIS065900	SSPC	NACE
White Metal	Sa 3	Sa 3	SP 5	1
Near White Metal	Sa 2.5	Sa 2.5	SP 10	2
Commercial Blast	Sa 2	Sa 2	SP 6	3
Brush-Off Blast	Sa 1	Sa 1	SP 7	4
Hand Tool Cleaning	C St 2	C St 2	SP 2	-
Pitted & Rusted	D St 2	D St 2	SP 2	-
Rusted	C St 3	C St 3	SP 3	-
Power Tool Cleaning	Pitted & Rusted D St 3	D St 3	SP 3	-

### TINTING

Tint with EnviroToner colorants at 100% strength. Do not use BAC.

Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color.

### APPLICATION CONDITIONS

Temperature:	50°F (10°C) minimum, 120°F (49°C) maximum (air, surface, and material) At least 5°F (2.8°C) above dew point
Relative humidity:	85% maximum

Refer to product Application Bulletin for detailed application information.

### ORDERING INFORMATION

Packaging:	1 gallon (3.78L) and 5 gallon (18.9L) containers
Weight:	10.30 ± 0.2 lb/gal 1.24 Kg/L

### SAFETY PRECAUTIONS

Refer to the MSDS sheet before use.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

### WARRANTY

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.



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## APPLICATION BULLETIN

1.26

### SURFACE PREPARATIONS

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

**Do not use hydrocarbon solvents for cleaning.**

#### Iron & Steel

Minimum surface preparation is Hand Tool Clean per SSPC-SP2. Remove all oil and grease from surface per SSPC-SP1. For better performance, use Commercial Blast Cleaning per SSPC-SP6. Primer recommended for best performance.

#### Aluminum

Remove all oil, grease, dirt, oxide and other foreign material per SSPC-SP1.

#### Galvanizing

The surface should be weathered for 6 months prior to painting. Remove all oil and grease per SSPC-SP1. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2. Prime area the same day as cleaned with Pro Industrial Pro-Cryl.

#### Concrete and Masonry

For surface preparation, refer to SSPC-SP13/NACE 6 or ICRI No. 310.2R, CSP 1-3. Surfaces should be thoroughly cleaned and dry. Surface temperatures must be at least 55°F (13°C) before filling. If required for a smoother finish, use Heavy Duty Block Filler, B42W46. Filler must be thoroughly dry before topcoating per manufacturer's recommendations.

Weathered masonry and soft or porous cement board must be brush blasted or power tool cleaned to remove loosely adhering contamination and to get to a hard, firm surface. Apply one coat Loxon Conditioner, following label recommendations.

#### Wood

Surface must be clean, dry and sound. Prime with recommended primer. No painting should be done immediately after a rain or during foggy weather. Knots and pitch streaks must be scraped, sanded and spot primed before full coat of primer is applied. All nail holes or small openings must be properly caulked.

#### Pre-Finished Siding:

Remove oil, grease, dirt, oxides, and other contaminants from the surface by cleaning per SSPC-SP1 or water blasting per NACE Standard RP-01-72. Always checks for compatibility of the previously painted surface with the new coating by applying a test patch of 2 - 3 square feet. Allow to dry thoroughly for 1 week before checking adhesion. DTM Bonding Primer is required.

#### Previously Painted Surfaces

If in sound condition, clean the surface of all foreign material. Smooth, hard or glossy coatings and surfaces should be dulled by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. Retest surface for adhesion. If paint is peeling or badly weathered, clean surface to sound substrate and treat as a new surface as above.

#### Surface Preparation Standards

Condition of Surface	ISO 8801-1 BS7079:A1	Swedish Std. SIS055900	SSPC	NACE
White Metal	Sa 3	Sa 3	SP 5	1
Near White Metal	Sa 2.5	Sa 2.5	SP 10	2
Commercial Blast	Sa 2	Sa 2	SP 7	3
Brush-Off Blast	Sa 1	Sa 1	SP 6	4
Hand Tool Cleaning	St 2	St 2	SP 2	4
Rusted	St 3	St 3	SP 3	1
Pitted & Rusted	St 3	St 3	SP 3	1
Rusted	St 3	St 3	SP 3	1
Power Tool Cleaning	St 3	St 3	SP 3	1
Pitted & Rusted	St 3	St 3	SP 3	1

### APPLICATION CONDITIONS

Temperature:	50°F (10°C) minimum, 120°F (49°C) maximum (air, surface, and material) At least 5°F (2.8°C) above dew point
Relative humidity:	85% maximum

### APPLICATION EQUIPMENT

The following is a guide. Changes in pressures and tip sizes may be needed for proper spray characteristics. Always purge spray equipment before use with listed reducer. Any reduction must be compliant with existing VOC regulations and compatible with the existing environmental and application conditions.

Reducer .....	Water R8K10 - WB Hot Weather Reducer up to 10%
Clean Up .....	Water

#### Airless Spray

Pressure.....	1500 psi
Hose.....	1/4" ID
Tip.....	.017" - .021"
Filter.....	60 mesh
Reduction.....	Not recommended

#### Conventional Spray

Gun .....	Binks 95
Fluid Nozzle .....	66
Air Nozzle.....	63PB
Atomization Pressure.....	50 psi
Fluid Pressure.....	15-20 psi
Reduction.....	As needed up to 12½% by volume

#### Brush

Brush.....	Nylon / polyester
Reduction.....	Not recommended

#### Roller

Cover .....	3/8" woven solvent resistant core
Reduction.....	Not recommended

If specific application equipment is not listed above, equivalent equipment may be substituted.



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### APPLICATION PROCEDURES

Surface preparation must be completed as indicated.

**Mixing Instructions:** Mix paint thoroughly to a uniform consistency with low speed power agitation prior to use.

Apply paint at the recommended film thickness and spreading rate as indicated below:

#### Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns)	6.0 (150)	10.0 (250)
Dry mils (microns)	2.5 (63)	4.0 (100)
~Coverage sq ft/gal (m <sup>2</sup> /L)	154 (3.8)	247 (6.0)
Theoretical coverage sq ft/gal (m <sup>2</sup> /L) @ 1 mil / 25 microns dft	616 (15.1)	

*NOTE: Brush or roll application may require multiple coats to achieve maximum film thickness and uniformity of appearance.*

#### Drying Schedule @ 7.0 mils wet (175 microns):

	@ 50°F/10°C	@ 77°F/25°C 50% RH	@ 120°F/49°C
To touch:	1 hour	30 minutes	5 minutes
To handle:	8 hours	5 hours	15 minutes
To recoat:	8 hours	5 hours	15 minutes
To cure:	30 days	30 days	30 days

*Drying time is temperature, humidity, and film thickness dependent.*

Application of coating above maximum or below minimum recommended spreading rate may adversely affect coating performance.

### CLEAN UP INSTRUCTIONS

Clean spills and spatters immediately with soap and warm water. Clean hands and tools immediately after use with soap and warm water. After cleaning, flush spray equipment with Mineral Spirits to prevent rusting of the equipment. Follow manufacturer's safety recommendations when using Mineral Spirits.

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### PERFORMANCE TIPS

Stripe coat all crevices, welds, and sharp angles to prevent early failure in these areas.

When using spray application, use a 50% overlap with each pass of the gun to avoid holidays, bare areas, and pinholes. If necessary, cross spray at a right angle

During the early stages of drying, the coating is sensitive to rain, dew, high humidity, and moisture condensation. Plan painting schedules to avoid these influences during the first 16-24 hours of curing.

Spreading rates are calculated on volume solids and do not include an application loss factor due to surface profile, roughness or porosity of the surface, skill and technique of the applicator, method of application, various surface irregularities, material lost during mixing, spillage, overthinning, climatic conditions, and excessive film build.

Excessive reduction of material can affect film build, appearance, and adhesion.

Application temperature above 95°F (35°C) may cause dry spray, uneven sheen, and poor adhesion.

Application temperature below 50°F (10°C) may cause poor adhesion and lengthen the drying and curing time.

Sher-Cryl Acrylic is extremely sensitive to hydrocarbon containing solvents. When cleaning the surface per SSPC-SP1, use only an emulsifying industrial detergent, followed by a water rinse. Do not use hydrocarbon containing solvents.

**Do not use hydrocarbon solvents for cleaning.**

Refer to Product Information sheet for additional performance characteristics and properties.

Sher-Cryl can be used as a dryfall coating in certain environmental conditions. Test product before each application. Test by spraying 15-25 feet toward paint container. All material should readily wipe clean. Temperature and humidity will affect ability to dryfall. Hot surface will cause overspray to bond to surface. Always clean overspray immediately from hot surfaces.

Refer to Product Information sheet for additional performance characteristics and properties.

### SAFETY PRECAUTIONS

Refer to the MSDS sheet before use.

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### WARRANTY

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# MATERIAL SAFETY DATA SHEET

B66R300  
14 00

DATE OF PREPARATION  
Jun 5, 2014

## SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

### PRODUCT NUMBER

B66R300

### PRODUCT NAME

SHER-CRYL™ HPA High Performance Acrylic Gloss Coating, Safety Red

### MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY  
101 Prospect Avenue N.W.  
Cleveland, OH 44115

### Telephone Numbers and Websites

Product Information	(800) 524-5979 www.sherwin-williams.com
Regulatory Information	(216) 566-2902 www.paintdocs.com
Medical Emergency	(216) 566-2917
Transportation Emergency*	(800) 424-9300
*for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident)	

## SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

% by Weight	CAS Number	Ingredient	Units	Vapor Pressure
2	111-77-3	2-(2-Methoxyethoxy)-ethanol		
		ACGIH TLV	Not Available	1 mm
		OSHA PEL	Not Available	
3	1332-58-7	Kaolin		
		ACGIH TLV	Not Available	
		OSHA PEL	15 mg/m3 Total Dust	
		OSHA PEL	5 mg/m3 Respirable Fraction	
0.2	13463-67-7	Titanium Dioxide		
		ACGIH TLV	10 mg/m3 as Dust	
		OSHA PEL	10 mg/m3 Total Dust	
		OSHA PEL	5 mg/m3 Respirable Fraction	

## SECTION 3 — HAZARDS IDENTIFICATION

### ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.

EYE or SKIN contact with the product, vapor or spray mist.

### EFFECTS OF OVEREXPOSURE

**EYES:** Irritation.

**SKIN:** Prolonged or repeated exposure may cause irritation.

**INHALATION:** Irritation of the upper respiratory system.

In a confined area vapors in high concentration may cause headache, nausea or dizziness.

### SIGNS AND SYMPTOMS OF OVEREXPOSURE

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

### CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

### HMIS Codes

Health	2*
Flammability	0
Reactivity	0

## SECTION 4 — FIRST AID MEASURES

- EYES:** Flush eyes with large amounts of water for 15 minutes. Get medical attention.  
**SKIN:** Wash affected area thoroughly with soap and water.  
 Remove contaminated clothing and launder before re-use.  
**INHALATION:** If affected, remove from exposure. Restore breathing. Keep warm and quiet.  
**INGESTION:** Do not induce vomiting. Get medical attention immediately.

## SECTION 5 — FIRE FIGHTING MEASURES

FLASH POINT	LEL	UEL	FLAMMABILITY CLASSIFICATION
Not Applicable	Not Applicable	Not Applicable	Not Applicable

### EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Alcohol Foam

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.  
 During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

### SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.  
 Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

## SECTION 6 — ACCIDENTAL RELEASE MEASURES

### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate the area.  
 Remove with inert absorbent.

## SECTION 7 — HANDLING AND STORAGE

### STORAGE CATEGORY

Not Applicable

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally.  
 Keep out of the reach of children.

## SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

### PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation.  
 Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.  
 Wash hands after using.  
 This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m<sup>3</sup> (total dust), 3 mg/m<sup>3</sup> (respirable fraction), OSHA PEL 15 mg/m<sup>3</sup> (total dust), 5 mg/m<sup>3</sup> (respirable fraction).

### VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

### RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.  
 When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

### PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

### EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

<b>PRODUCT WEIGHT</b>	8.85 lb/gal	1061 g/l
<b>SPECIFIC GRAVITY</b>	1.07	
<b>BOILING POINT</b>	212 - 500 °F	100 - 260 °C
<b>MELTING POINT</b>	Not Available	
<b>VOLATILE VOLUME</b>	61%	
<b>EVAPORATION RATE</b>	Slower than ether	
<b>VAPOR DENSITY</b>	Heavier than air	
<b>SOLUBILITY IN WATER</b>	Not Available	
<b>pH</b>	9.0	
<b>VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)</b>		
1.38 lb/gal	165 g/l	Less Water and Federally Exempt Solvents
0.65 lb/gal	78 g/l	Emitted VOC

**SECTION 10 — STABILITY AND REACTIVITY****STABILITY — Stable****CONDITIONS TO AVOID**

None known.

**INCOMPATIBILITY**

None known.

**HAZARDOUS DECOMPOSITION PRODUCTS**

By fire: Carbon Dioxide, Carbon Monoxide

**HAZARDOUS POLYMERIZATION**

Will not occur

**SECTION 11 — TOXICOLOGICAL INFORMATION****CHRONIC HEALTH HAZARDS**

IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."

**TOXICOLOGY DATA**

CAS No.	Ingredient Name			
111-77-3	2-(2-Methoxyethoxy)-ethanol	LC50 RAT	4HR	Not Available
		LD50 RAT		5500 mg/kg
1332-58-7	Kaolin	LC50 RAT	4HR	Not Available
		LD50 RAT		<b>Not Available</b>
13463-67-7	Titanium Dioxide	LC50 RAT	4HR	Not Available
		LD50 RAT		Not Available

**SECTION 12 — ECOLOGICAL INFORMATION****ECOTOXICOLOGICAL INFORMATION**

No data available.

**SECTION 13 — DISPOSAL CONSIDERATIONS****WASTE DISPOSAL METHOD**

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

**SECTION 14 — TRANSPORT INFORMATION**

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

**US Ground (DOT)**

Not Regulated for Transportation.

**Canada (TDG)**

Not Regulated for Transportation.

**IMO**

Not Regulated for Transportation.

**IATA/ICAO**

Not Regulated for Transportation.

**SECTION 15 — REGULATORY INFORMATION**

**SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION**

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
	Glycol Ethers	2	

**CALIFORNIA PROPOSITION 65**

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

**TSCA CERTIFICATION**

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

**SECTION 16 — OTHER INFORMATION**

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.



**ENVIRONMENTAL DATA SHEET**  
(Certified Product Data Sheet)

Date of Preparation  
Jan 15, 2015

14 00 [0145]

**PRODUCT NUMBER**

B66R300

**PRODUCT NAME**

SHER-CRYL™ HPA High Performance Acrylic Gloss Coating, Safety Red

**MANUFACTURER'S NAME**

THE SHERWIN-WILLIAMS COMPANY  
101 Prospect Avenue N.W.  
Cleveland, OH 44115

This document includes all data required by 40 CFR 63.801(a) for a Certified Product Data Sheet under criteria specified in 40 CFR 63.805(a). All data given below are MAXIMUM THEORETICAL VALUES based on the product AS CURRENTLY FORMULATED. Variations may occur on individual batches due to adjustments made during production.

**Product Weight**

8.85 lb/gal

**Specific Gravity**

1.07

**FLASH POINT**

N.A.

**Hazard Category (for SARA 311.312)**

| Acute | Chronic |

**Volatile Ingredients**

Chemical / Compound	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
2-(2-Methoxyethoxy)-ethanol 111-77-3	N	N	***	***	2	2
Propylene Glycol 57-55-6	N	N	N	N	2	2
Trimethylpentanediol isobutyrate 25265-77-4	N	N	N	N	3	4
Water 7732-18-5	N	N	N	N	49	53

**Regulated Compounds**

	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
*** Glycol Ethers (SARA)	N	N	Y	N	2	
*** Glycol Ethers (HAPS)	N	N	N	Y	2	

**Volatile Organic Compounds (follows U.S. EPA VOC Data Sheet)**

<b>A.</b>	<b>Coating Density</b>		8.85 lb/gal	1061 g/l
<b>B.</b>	<b>Total Volatiles</b>		56.6 % by wt.	61.2 % by vol.
	<b>Non-Organic Volatiles:</b>			
	Ammonium Hydroxide		0.2 % by wt.	0.3 % by vol.
<b>C.</b>	<b>Federally exempt solvents:</b>			
	Water		49.1 % by wt.	52.7 % by vol.
<b>D.</b>	<b>Organic Volatiles</b>		7.4 % by wt.	8.2 % by vol.
<b>E.</b>	<b>Percent Non-Volatile</b>		43.4 % by wt.	38.8 % by vol.
<b>F.</b>	<b>VOC Content</b>	0.65 lb/gal 78 g/l	total	
	1.	1.38 lb/gal 165 g/l	less exempt solvents	
	2.	1.68 lb/gal 201 g/l	of solids	
		0.17 lb/lb 0.17 kg/kg	of solids	

**Hazardous Air Pollutants (Clean Air Act, Section 112(b))**

<b>Volatile HAPS</b>	0.15 lb/gal	0.018 kg/l
	0.39 lb/gal	0.047 kg/l of solids
	0.04 lb/lb	0.04 kg/kg of solids

**Air Quality Data**

**Density of Organic Solvent Blend**  
7.94 lb/gal

**B66R300**

**Photochemically Reactive**

No

**Maximum Incremental Reactivity (MIR) (California Air Resources Board Aerosol Products Regulation, MIR Value July 18, 2001)**

0.14

**Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule)**

0.17

**Waste Disposal**

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

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