ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

Date of Preparation
Jan 20, 2024

19 00 [2822]

PRODUCT NUMBER

E2R1001

PRODUCT NAME

METAL DIRECT™ Acrylic Urethane (Part A), Red

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115-1075

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.

Hazard Category (for SARA 311.312)

E2R1001 = | Acute | Chronic | Fire |

Product Weight	Specific Gravity	FLASH POINT
8.37 lb/gal	1.01	19 °F PMCC

Volatile Ingredients

Chemical / Compound	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Ethylbenzene **100-41-4**	N	Y	Y	Y	0.2	< 1
Xylene **1330-20-7**	N	Y	Y	Y	1	1
p-Chlorobenzotrifluoride **98-56-6**	N	N	N	N	5	4
Acetone **67-64-1**	N	Y	N	N	19	25
Methyl n-Propyl Ketone **107-87-9**	N	N	N	N	1	2
2,4-Pentanedione **123-54-6**	N	N	N	N	2	2
Methyl n-Amyl Ketone **110-43-0**	N	N	N	N	16	19
1-Methoxy-2-Propanol Acetate **108-65-6**	N	N	N	N	2	3

Volatile Organic Compounds - U.S. EPA / Canada

	E2R1001	
	LB/Gal	**g/L**
Coating Density	8.37	1003
	By wt	**By vol**
Total Volatiles	49.9%	58.8%
Federally exempt solvents		
Water	0.0%	0.0%
Acetone	19.3%	24.5%
P-Chlorobenzotrifluoride	5.5%	4.1%
Organic Volatiles	25.1%	30.1%
Percent Non-Volatile	50.1%	41.2%
VOC Content	**LB/Gal**	**g/L**
Total	2.10	252
Less exempt solvents	2.95	353
Of solids	5.10	611
Of solids	0.50 lb/lb	0.50 kg/kg
	By wt	
By wt LVP-VOC	23.9%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.86**

Volatile Organic Compounds - California

	E2R1001	
	LB/Gal	**g/L**
Coating Density	8.37	1003
	By wt	**By vol**
Total Volatiles	49.9%	58.8%
Exempt solvents		
Water	0.0%	0.0%
Acetone	19.3%	24.5%
P-Chlorobenzotrifluoride	5.5%	4.1%
Organic Volatiles	25.1%	30.1%
Percent Non-Volatile	50.1%	41.2%
VOC Content	**LB/Gal**	**g/L**
Total	2.10	252
Less exempt solvents	2.95	353
Of solids	5.10	611
Of solids	0.50 lb/lb	0.50 kg/kg
	By wt	
By wt LVP-VOC	23.9%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.71**

Volatile Organic Compounds - South Coast Air Quality Management District, California, US

	E2R1001	
	LB/Gal	g/L
Coating Density	8.37	1003
	By wt	By vol
Total Volatiles	49.9%	58.8%
Exempt solvents		
Water	0.0%	0.0%
Acetone	19.3%	24.5%
P-Chlorobenzotrifluoride	5.5%	4.1%
Organic Volatiles	25.1%	30.1%
Percent Non-Volatile	50.1%	41.2%
VOC Content	LB/Gal	g/L
Total	2.10	252
Less exempt solvents	2.95	353
Of solids	5.10	611
Of solids	0.50 lb/lb	0.50 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	E2R1001	
	By wt	By vol
Total Volatiles	49.6%	58.4%
VOC Content	LB/Gal	g/L
Total	4.15	497

Volatile Organic Compounds - EU Directive 2010/75/EU

	E2R1001	
	By wt	By vol
Total Volatiles	49.6%	58.4%
VOC Content	LB/Gal	g/L
Total	4.15	497

Volatile Organic Compounds - Mexico

	E2R1001	
	LB/Gal	g/L
Coating Density	8.37	1003
	By wt	By vol
Total Volatiles	49.9%	58.8%
Exempt solvents		
Water	0.0%	0.0%
Acetone	19.3%	24.5%
Organic Volatiles	30.6%	34.2%
Percent Non-Volatile	50.1%	41.2%
VOC Content	LB/Gal	g/L
Total	2.56	307
Less exempt solvents	3.39	407
Of solids	6.22	745
Of solids	0.61 lb/lb	0.61 kg/kg

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

	E2R1001	
	LB/Gal	kg/L
Volatile HAPS	0.11	0.013
Of solids	0.27	0.032
Of solids	0.02 lb/lb	0.02 kg/kg

Air Quality Data

Density of Organic Solvent Blend

7.11 lb/gal

Photochemically Reactive

No

Waste Disposal

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Addition of reducers or other additives to this product may substantially alter the above data. 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.