

ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

Date of Preparation
Jan 20, 2024

11 00 [0888]

PRODUCT NUMBER

E2L1027

PRODUCT NAME

METAL DIRECT™ Acrylic Urethane (Part A), Nabors Blue

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)

E2L1027 = | Acute | Chronic | Fire |

Product Weight

9.40 lb/gal

Specific Gravity

1.13

FLASH POINT

19 °F PMCC

AS MIXED (as per product data sheet): 5 PARTS E2L1027: 1 PART AIH20

AS MIXED

Product Weight

9.52 lb/gal

Specific Gravity

1.15

FLASH POINT

5 °F TCC

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	0.1	< 1
p-Chlorobenzotrifluoride 98-56-6	N	N	N	N	16	14
Acetone 67-64-1	N	Y	N	N	13	18
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	10	15
1-Methoxy-2-Propanol Acetate 108-65-6	N	N	N	N	2	3

Volatile Ingredients AS MIXED

Chemical / Compound	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Ethylbenzene 100-41-4	N	Y	Y	Y	0.1	< 1
p-Chlorobenzotrifluoride 98-56-6	N	N	N	N	19	17
Acetone 67-64-1	N	Y	N	N	10	15
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	9	12
1-Methoxy-2-Propanol Acetate 108-65-6	N	N	N	N	2	2

Volatile Organic Compounds - U.S. EPA / Canada

	E2L1027		AS MIXED 5 PARTS E2L1027: 1 PART AIH20	
	LB/Gal	g/L	LB/Gal	g/L
Coating Density	9.40	1126	9.52	1140
	By wt	By vol	By wt	By vol
Total Volatiles	49.0%	58.5%	46.2%	53.7%
Federally exempt solvents				
Water	0.0%	0.0%	0.0%	0.0%
P-Chlorobenzotrifluoride	16.4%	13.8%	19.4%	16.5%
Acetone	12.5%	17.9%	10.3%	14.9%
Organic Volatiles	20.1%	26.8%	16.5%	22.3%
Percent Non-Volatile	51.0%	41.5%	53.8%	46.3%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	1.88	225	1.56	188
Less exempt solvents	2.76	330	2.28	274
Of solids	4.54	544	3.39	406
Of solids	0.39 lb/lb	0.39 kg/kg	0.30 lb/lb	0.30 kg/kg
	By wt		By wt	
By wt LVP-VOC	18.2%		15.0%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.82**AS MIXED Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.68**

Volatile Organic Compounds - California

	E2L1027		AS MIXED 5 PARTS E2L1027: 1 PART AIH20	
	LB/Gal	g/L	LB/Gal	g/L
Coating Density	9.40	1126	9.52	1140
	By wt	By vol	By wt	By vol
Total Volatiles	49.0%	58.5%	46.2%	53.7%
Exempt solvents				
Water	0.0%	0.0%	0.0%	0.0%
P-Chlorobenzotrifluoride	16.4%	13.8%	19.4%	16.5%
Acetone	12.5%	17.9%	10.3%	14.9%
Organic Volatiles	20.1%	26.8%	16.5%	22.3%
Percent Non-Volatile	51.0%	41.5%	53.8%	46.3%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	1.88	225	1.56	188
Less exempt solvents	2.76	330	2.28	274
Of solids	4.54	544	3.39	406
Of solids	0.39 lb/lb	0.39 kg/kg	0.30 lb/lb	0.30 kg/kg
	By wt		By wt	
By wt LVP-VOC	18.2%		15.0%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.62**

AS MIXED Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.52**

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

	E2L1027		AS MIXED 5 PARTS E2L1027: 1 PART AIH20	
	LB/Gal	g/L	LB/Gal	g/L
Coating Density	9.40	1126	9.52	1140
	By wt	By vol	By wt	By vol
Total Volatiles	49.0%	58.5%	46.2%	53.7%
Exempt solvents				
Water	0.0%	0.0%	0.0%	0.0%
P-Chlorobenzotrifluoride	16.4%	13.8%	19.4%	16.5%
Acetone	12.5%	17.9%	10.3%	14.9%
Organic Volatiles	20.1%	26.8%	16.5%	22.3%
Percent Non-Volatile	51.0%	41.5%	53.8%	46.3%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	1.88	225	1.56	188
Less exempt solvents	2.76	330	2.28	274
Of solids	4.54	544	3.39	406
Of solids	0.39 lb/lb	0.39 kg/kg	0.30 lb/lb	0.30 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	E2L1027		AS MIXED 5 PARTS E2L1027: 1 PART AIH20	
	By wt	By vol	By wt	By vol
Total Volatiles	48.7%	58.2%	46.0%	53.5%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	4.57	548	4.37	524

Volatile Organic Compounds - EU Directive 2010/75/EU

	E2L1027		AS MIXED 5 PARTS E2L1027: 1 PART AIH20	
	By wt	By vol	By wt	By vol
Total Volatiles	48.7%	58.2%	46.0%	53.5%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	4.57	548	4.37	524

Volatile Organic Compounds - Mexico

	E2L1027		AS MIXED 5 PARTS E2L1027: 1 PART AIH20	
	LB/Gal	g/L	LB/Gal	g/L
Coating Density	9.40	1126	9.52	1140
	By wt	By vol	By wt	By vol
Total Volatiles	49.0%	58.5%	46.2%	53.7%
Exempt solvents				
Water	0.0%	0.0%	0.0%	0.0%
Acetone	12.5%	17.9%	10.3%	14.9%
Organic Volatiles	36.5%	40.6%	35.9%	38.8%
Percent Non-Volatile	51.0%	41.5%	53.8%	46.3%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	3.42	410	3.41	409
Less exempt solvents	4.17	500	4.01	480
Of solids	8.25	988	7.37	884
Of solids	0.71 lb/lb	0.71 kg/kg	0.66 lb/lb	0.66 kg/kg

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

	E2L1027		AS MIXED 5 PARTS E2L1027: 1 PART AIH20	
	LB/Gal	kg/L	LB/Gal	kg/L
Volatile HAPS	0.01	0.001	0.01	0.001
Of solids	0.03	0.003	0.02	0.002
Of solids	0.00 lb/lb	0.00 kg/kg	0.00 lb/lb	0.00 kg/kg

Air Quality Data

Density of Organic Solvent Blend

7.88 lb/gal

Photochemically Reactive

No

Density of Organic Solvent Blend AS MIXED

8.18 lb/gal

Photochemically Reactive AS MIXED

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.

