

ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

Date of Preparation

Jun 30, 2023

07 00 [3519]

PRODUCT NUMBER

B58T624

PRODUCT NAME

MACROPOXY® 646-100 Fast Cure Epoxy (Part A), Ultradeep Base

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY

101 W. Prospect Avenue

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.

Hazard Category (for SARA 311.312)

B58T624 = | Acute | Chronic | Fire |

Product Weight

11.91 lb/gal

Specific Gravity

1.43

FLASH POINT

139 °F PMCC

AS MIXED (as per product data sheet): catalyzed

AS MIXED

Product Weight

12.24 lb/gal

Specific Gravity

1.47

FLASH POINT

6 °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	0.3	< 1
Xylene 1330-20-7	N	Y	Y	Y	2	3
p-Chlorobenzotrifluoride 98-56-6	N	N	N	N	22	24

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	0.2	< 1
Xylene 1330-20-7	N	Y	Y	Y	2	3
p-Chlorobenzotrifluoride 98-56-6	N	N	N	N	14	15
Acetone 67-64-1	N	Y	N	N	5	10
Methyl Isobutyl Ketone 108-10-1	N	Y	Y	Y	2	4

Volatile Organic Compounds - U.S. EPA / Canada

	B58T624		AS MIXED catalyzed	
	LB/Gal	g/L	LB/Gal	g/L
Coating Density	11.91	1427	12.24	1466
	By wt	By vol	By wt	By vol
Total Volatiles	24.3%	27.3%	23.4%	32.9%
Federally exempt solvents				
Water	0.0%	0.0%	0.0%	0.0%
P-Chlorobenzotrifluoride	22.2%	23.7%	13.7%	15.1%
Acetone			5.4%	10.1%
Organic Volatiles	2.0%	3.6%	4.3%	7.8%
Percent Non-Volatile	75.7%	72.7%	76.6%	67.1%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.24	28	0.52	63
Less exempt solvents	0.31	37	0.70	84
Of solids	0.33	39	0.78	94
Of solids	0.02 lb/lb	0.02 kg/kg	0.05 lb/lb	0.05 kg/kg
	By wt		By wt	
By wt LVP-VOC	2.0%		4.3%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.16**

AS MIXED Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.27**

Volatile Organic Compounds - California

	B58T624		AS MIXED catalyzed	
	LB/Gal	g/L	LB/Gal	g/L
Coating Density	11.91	1427	12.24	1466
	By wt	By vol	By wt	By vol
Total Volatiles	24.3%	27.3%	23.4%	32.9%
Exempt solvents				
Water	0.0%	0.0%	0.0%	0.0%
P-Chlorobenzotrifluoride	22.2%	23.7%	13.7%	15.1%
Acetone			5.4%	10.1%
Organic Volatiles	2.0%	3.6%	4.3%	7.8%
Percent Non-Volatile	75.7%	72.7%	76.6%	67.1%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.24	28	0.52	63
Less exempt solvents	0.31	37	0.70	84
Of solids	0.33	39	0.78	94
Of solids	0.02 lb/lb	0.02 kg/kg	0.05 lb/lb	0.05 kg/kg
	By wt		By wt	
By wt LVP-VOC	2.0%		4.3%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.17**

AS MIXED Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.26**

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

	B58T624		AS MIXED catalyzed	
	LB/Gal	g/L	LB/Gal	g/L
Coating Density	11.91	1427	12.24	1466
	By wt	By vol	By wt	By vol
Total Volatiles	24.3%	27.3%	23.4%	32.9%
Exempt solvents				
Water	0.0%	0.0%	0.0%	0.0%
P-Chlorobenzotrifluoride	22.2%	23.7%	13.7%	15.1%
Acetone			5.4%	10.1%
Organic Volatiles	2.0%	3.6%	4.3%	7.8%
Percent Non-Volatile	75.7%	72.7%	76.6%	67.1%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.24	28	0.52	63
Less exempt solvents	0.31	37	0.70	84
Of solids	0.33	39	0.78	94
Of solids	0.02 lb/lb	0.02 kg/kg	0.05 lb/lb	0.05 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	B58T624		AS MIXED catalyzed	
	By wt	By vol	By wt	By vol
Total Volatiles	24.3%	27.3%	23.5%	33.0%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	2.88	346	2.88	345

Volatile Organic Compounds - EU Directive 2010/75/EU

	B58T624		AS MIXED catalyzed	
	By wt	By vol	By wt	By vol
Total Volatiles	24.3%	27.3%	23.4%	32.9%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	2.88	346	2.86	343

Volatile Organic Compounds - Mexico

	B58T624		AS MIXED catalyzed	
	LB/Gal	g/L	LB/Gal	g/L
Coating Density	11.91	1427	12.24	1466
	By wt	By vol	By wt	By vol
Total Volatiles	24.3%	27.3%	23.4%	32.9%
Exempt solvents				
Water	0.0%	0.0%	0.0%	0.0%
Acetone			5.4%	10.1%
Organic Volatiles	24.3%	27.3%	18.0%	22.8%
Percent Non-Volatile	75.7%	72.7%	76.6%	67.1%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	2.88	346	2.20	264
Less exempt solvents	2.88	346	2.45	293
Of solids	3.97	476	3.28	394
Of solids	0.32 lb/lb	0.32 kg/kg	0.23 lb/lb	0.23 kg/kg

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

	B58T624		AS MIXED catalyzed	
	LB/Gal	kg/L	LB/Gal	kg/L
Volatile HAPS	0.24	0.028	0.49	0.059
Of solids	0.33	0.039	0.74	0.088
Of solids	0.02 lb/lb	0.02 kg/kg	0.05 lb/lb	0.05 kg/kg

Air Quality Data

Density of Organic Solvent Blend

10.57 lb/gal

Photochemically Reactive

Yes

Density of Organic Solvent Blend AS MIXED

8.72 lb/gal

Photochemically Reactive AS MIXED

Yes

Additional Regulatory Information

US EPA TSCA:

Not Applicable

Relevant identified uses of the substance or mixture and uses advised against:

Not Applicable

US EPA TSCA: AS MIXED

Not Applicable

Relevant identified uses of the substance or mixture and uses advised against: AS MIXED

Not Applicable

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.