

ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

Date of Preparation
Dec 4, 2023

03 00 [2441]

PRODUCT NUMBER

PB4301

PRODUCT NAME

Genesis® Polyurea, Black

MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY
4440 Warrensville Center Road
Warrensville Heights, OH 44128

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)

PB4301 = | Acute | Chronic |

Product Weight

8.45 lb/gal

Specific Gravity

1.02

FLASH POINT

> 200 °F PMCC

AS MIXED (as per product data sheet): catalyzed 1 part B81B4300 to 1 part B81V4300

AS MIXED

Product Weight

8.85 lb/gal

Specific Gravity

1.07

FLASH POINT

> 200 °F PMCC

Volatile Ingredients

Not Applicable

Volatile Ingredients AS MIXED

Chemical / Compound	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
4-Methyl-1,3-dioxolan-2-one 108-32-7	N	N	N	N	5	5

Non-Volatile Ingredients AS MIXED

Chemical / Compound	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
4, 4'-Diphenylmethane Diisocyanate 101-68-8	N	Y	Y	Y	13	12
Diphenylmethane Diisocyanate Polymer 9016-87-9	N	N	Y	N	24	23

Volatile Organic Compounds - U.S. EPA / Canada

	PB4301		AS MIXED catalyzed 1 part B81B4300 to 1 part B81V4300	
	LB/Gal	g/L	LB/Gal	g/L
Coating Density	8.45	1012	8.85	1061
	By wt	By vol	By wt	By vol
Total Volatiles	0.0%	0.0%	5.3%	5.2%
Federally exempt solvents				
Water	0.0%	0.0%	0.0%	0.0%
4-Methyl-1,3-dioxolan-2-one			5.3%	5.2%
Organic Volatiles	0.0%	0.0%	0.0%	0.0%
Percent Non-Volatile	100.0%	100.0%	94.7%	94.8%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.00	0	0.00	0
Less exempt solvents	0.00	0	0.00	0
Of solids	0.00	0	0.00	0
Of solids	0.00 lb/lb	0.00 kg/kg	0.00 lb/lb	0.00 kg/kg
	By wt		By wt	
By wt LVP-VOC	0.0%		0.0%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.00**

AS MIXED Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.01**

Volatile Organic Compounds - California

	PB4301		AS MIXED catalyzed 1 part B81B4300 to 1 part B81V4300	
	LB/Gal	g/L	LB/Gal	g/L
Coating Density	8.45	1012	8.85	1061
	By wt	By vol	By wt	By vol
Total Volatiles	0.0%	0.0%	5.3%	5.2%
Exempt solvents				
Water	0.0%	0.0%	0.0%	0.0%
Organic Volatiles	0.0%	0.0%	5.3%	5.2%
Percent Non-Volatile	100.0%	100.0%	94.7%	94.8%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.00	0	0.46	55
Less exempt solvents	0.00	0	0.46	55
Of solids	0.00	0	0.49	58
Of solids	0.00 lb/lb	0.00 kg/kg	0.05 lb/lb	0.05 kg/kg
	By wt		By wt	
By wt LVP-VOC	0.0%		0.0%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.00**

AS MIXED Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.01**

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

	PB4301		AS MIXED catalyzed 1 part B81B4300 to 1 part B81V4300	
	LB/Gal	g/L	LB/Gal	g/L
Coating Density	8.45	1012	8.85	1061
	By wt	By vol	By wt	By vol
Total Volatiles	0.0%	0.0%	5.3%	5.2%
Exempt solvents				
Water	0.0%	0.0%	0.0%	0.0%
4-Methyl-1,3-dioxolan-2-one			5.3%	5.2%
Organic Volatiles	0.0%	0.0%	0.0%	0.0%
Percent Non-Volatile	100.0%	100.0%	94.7%	94.8%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.00	0	0.00	0
Less exempt solvents	0.00	0	0.00	0
Of solids	0.00	0	0.00	0
Of solids	0.00 lb/lb	0.00 kg/kg	0.00 lb/lb	0.00 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	PB4301		AS MIXED catalyzed 1 part B81B4300 to 1 part B81V4300	
	By wt	By vol	By wt	By vol
Total Volatiles	71.0%	72.4%	34.4%	36.4%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	5.99	718	3.04	365

Volatile Organic Compounds - EU Directive 2010/75/EU

	PB4301		AS MIXED catalyzed 1 part B81B4300 to 1 part B81V4300	
	By wt	By vol	By wt	By vol
Total Volatiles	0.0%	0.0%	0.0%	0.0%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.00	0	0.00	0

Volatile Organic Compounds - Mexico

	PB4301		AS MIXED catalyzed 1 part B81B4300 to 1 part B81V4300	
	LB/Gal	g/L	LB/Gal	g/L
Coating Density	8.45	1012	8.85	1061
	By wt	By vol	By wt	By vol
Total Volatiles	0.0%	0.0%	5.3%	5.2%
Exempt solvents				
Water	0.0%	0.0%	0.0%	0.0%
Organic Volatiles	0.0%	0.0%	5.3%	5.2%
Percent Non-Volatile	100.0%	100.0%	94.7%	94.8%
VOC Content	LB/Gal	g/L	LB/Gal	g/L
Total	0.00	0	0.46	55
Less exempt solvents	0.00	0	0.46	55
Of solids	0.00	0	0.49	58
Of solids	0.00 lb/lb	0.00 kg/kg	0.05 lb/lb	0.05 kg/kg

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

	PB4301		AS MIXED catalyzed 1 part B81B4300 to 1 part B81V4300	
	LB/Gal	kg/L	LB/Gal	kg/L
Volatile HAPS	0.00	0.000	0.00	0.000
Of solids	0.00	0.000	0.00	0.000
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

Not Applicable

Photochemically Reactive

No

Density of Organic Solvent Blend AS MIXED

9.05 lb/gal

Photochemically Reactive AS MIXED

No

Waste Disposal

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

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.