

ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

Date of Preparation

Apr 19, 2024

15 00 [0554]

PRODUCT NUMBER

C38574

PRODUCT NAME

POLARION® Exterior 2K Acrylic Polyurethane, Satin

MANUFACTURER'S NAME

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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 and rely on information provided to us by our raw material suppliers. Our suppliers often provide an estimated value or range less than a certain upper limit. We calculate MAXIMUM THEORETICAL VALUES using defined values, if provided, or the upper limit reported by our supplier. Additionally, the suppliers' information may include amounts present in the product as unintentional byproducts or impurities. Variations may occur in individual batches due to adjustments made during production.

Hazard Category (for SARA 311.312)

C38574 = | Acute | Chronic | Fire |

Product Weight

8.14 lb/gal

Specific Gravity

0.98

FLASH POINT

29 °F PMCC

Volatile Ingredients

Chemical / Compound	SARA 302 EHS	CERCLA	HAPS 112	% by Weight	% by Volume
Ethylbenzene 100-41-4	N	Y	Y	0.2	0.2
Light Aromatic Hydrocarbons 64742-95-6	N	N	N	3	4
Methyl Ethyl Ketone 78-93-3	N	Y	N	14	17
Methyl n-Amyl Ketone 110-43-0	N	N	N	3	4
Acetic Acid 64-19-7	N	Y	N	1	0.9
dimethyl carbonate 616-38-6	N	N	N	4	4
n-Butyl Propionate 590-01-2	N	N	N	6	7
n-Butyl Acetate 123-86-4	N	Y	N	29	32

Volatile Organic Compounds - U.S. EPA / Canada

	C38574	
	LB/Gal	g/L
Coating Density	8.14	975
	By wt	By vol
Total Volatiles	63.5%	71.4%
Federally exempt solvents		
Water	0.1%	0.1%
Dimethyl carbonate	3.8%	3.5%
Organic Volatiles	59.6%	67.8%
Percent Non-Volatile	36.5%	28.6%
VOC Content	LB/Gal	g/L
Total	4.84	580
Less exempt solvents	5.02	602
Of solids	16.92	2028
Of solids	1.63 lb/lb	1.63 kg/kg
	By wt	
By wt LVP-VOC	59.1%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.97**

Volatile Organic Compounds - California

	C38574	
	LB/Gal	g/L
Coating Density	8.14	975
	By wt	By vol
Total Volatiles	63.5%	71.4%
Exempt solvents		
Water	0.1%	0.1%
Organic Volatiles	63.4%	71.3%
Percent Non-Volatile	36.5%	28.6%
VOC Content	LB/Gal	g/L
Total	5.15	618
Less exempt solvents	5.16	618
Of solids	18.01	2158
Of solids	1.73 lb/lb	1.73 kg/kg
	By wt	
By wt LVP-VOC	62.9%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.93**

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

	C38574	
	LB/Gal	g/L
Coating Density	8.14	975
	By wt	By vol
Total Volatiles	63.5%	71.4%
Exempt solvents		
Water	0.1%	0.1%
Organic Volatiles	63.4%	71.3%
Percent Non-Volatile	36.5%	28.6%
VOC Content	LB/Gal	g/L
Total	5.15	618
Less exempt solvents	5.16	618
Of solids	18.01	2158
Of solids	1.73 lb/lb	1.73 kg/kg

Volatile Organic Compounds - EU Directive 2004/42/EC

	C38574	
	By wt	By vol
Total Volatiles	63.3%	71.2%
VOC Content	LB/Gal	g/L
Total	5.14	616

Volatile Organic Compounds - EU Directive 2010/75/EU

	C38574	
	By wt	By vol
Total Volatiles	63.1%	71.0%
VOC Content	LB/Gal	g/L
Total	5.12	614

Volatile Organic Compounds - Mexico

	C38574	
	LB/Gal	g/L
Coating Density	8.14	975
	By wt	By vol
Total Volatiles	63.5%	71.4%
Exempt solvents		
Water	0.1%	0.1%
Organic Volatiles	63.4%	71.3%
Percent Non-Volatile	36.5%	28.6%
VOC Content	LB/Gal	g/L
Total	5.15	618
Less exempt solvents	5.16	618
Of solids	18.01	2158
Of solids	1.73 lb/lb	1.73 kg/kg

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

	C38574	
	LB/Gal	kg/L
Volatile HAPS	0.01	0.001
Of solids	0.05	0.006
Of solids	0.00 lb/lb	0.00 kg/kg

Air Quality Data**Density of Organic Solvent Blend**

7.23 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.

The addition of any material to this product can change the composition, hazards and risks of the product and 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.