

# ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

Date of Preparation

Dec 12, 2023

16 00 [0243]

## PRODUCT NUMBER

F93R101

## PRODUCT NAME

MIL-DTL-53039F TYPE IV POLYMERIC MOISTURE CURE TOPCOAT 1K ALIPHATIC POLYURETHANE 1.0 VOC  
CARC, AIRCRAFT RED 31136 Q2093

## MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS CO.  
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)

F93R101 = | Acute | Chronic | Fire |

## Product Weight

9.63 lb/gal

## Specific Gravity

1.16

## FLASH POINT

95 °F PMCC

## Volatile Ingredients

Chemical / Compound	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Light Aromatic Hydrocarbons 64742-95-6	N	N	N	N	2	2
Cumene 98-82-8	N	Y	Y	Y	0.1	< 1
p-Chlorobenzotrifluoride 98-56-6	N	N	N	N	38	32
n-Butyl Acetate 123-86-4	N	Y	N	N	2	3

## Non-Volatile Ingredients

Chemical / Compound	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Isophorone Diisocyanate (max.) 4098-71-9	Y	N	Y	N	1	1

**Volatile Organic Compounds - U.S. EPA / Canada**

	F93R101	
	LB/Gal	g/L
Coating Density	9.63	1153
	By wt	By vol
Total Volatiles	44.3%	41.4%
Federally exempt solvents		
Water	0.0%	0.0%
P-Chlorobenzotrifluoride	37.6%	32.4%
Organic Volatiles	6.7%	8.9%
Percent Non-Volatile	55.7%	58.6%
VOC Content	LB/Gal	g/L
Total	0.64	77
Less exempt solvents	0.96	115
Of solids	1.10	132
Of solids	0.12 lb/lb	0.12 kg/kg
	By wt	
By wt LVP-VOC	6.3%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.43**

**Volatile Organic Compounds - California**

	F93R101	
	LB/Gal	g/L
Coating Density	9.63	1153
	By wt	By vol
Total Volatiles	44.3%	41.4%
Exempt solvents		
Water	0.0%	0.0%
P-Chlorobenzotrifluoride	37.6%	32.4%
Organic Volatiles	6.7%	8.9%
Percent Non-Volatile	55.7%	58.6%
VOC Content	LB/Gal	g/L
Total	0.64	77
Less exempt solvents	0.96	115
Of solids	1.10	132
Of solids	0.12 lb/lb	0.12 kg/kg
	By wt	
By wt LVP-VOC	6.3%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.40**

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

	F93R101	
	LB/Gal	g/L
Coating Density	9.63	1153
	By wt	By vol
Total Volatiles	44.3%	41.4%
Exempt solvents		
Water	0.0%	0.0%
P-Chlorobenzotrifluoride	37.6%	32.4%
Organic Volatiles	6.7%	8.9%
Percent Non-Volatile	55.7%	58.6%
VOC Content	LB/Gal	g/L
Total	0.64	77
Less exempt solvents	0.96	115
Of solids	1.10	132
Of solids	0.12 lb/lb	0.12 kg/kg

**Volatile Organic Compounds - EU Directive 2004/42/EC**

	F93R101	
	By wt	By vol
Total Volatiles	48.6%	45.8%
VOC Content	LB/Gal	g/L
Total	4.67	560

**Volatile Organic Compounds - EU Directive 2010/75/EU**

	F93R101	
	By wt	By vol
Total Volatiles	44.3%	41.4%
VOC Content	LB/Gal	g/L
Total	4.26	511

**Volatile Organic Compounds - Mexico**

	F93R101	
	LB/Gal	g/L
Coating Density	9.63	1153
	By wt	By vol
Total Volatiles	44.3%	41.4%
Exempt solvents		
Water	0.0%	0.0%
Organic Volatiles	44.3%	41.4%
Percent Non-Volatile	55.7%	58.6%
VOC Content	LB/Gal	g/L
Total	4.26	511
Less exempt solvents	4.26	511
Of solids	7.27	872
Of solids	0.79 lb/lb	0.79 kg/kg

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

	F93R101	
	LB/Gal	kg/L
Volatile HAPS	0.01	0.001
Of solids	0.01	0.002
Of solids	0.00 lb/lb	0.00 kg/kg

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

10.32 lb/gal

**Photochemically Reactive**

Yes

**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.