

# ENVIRONMENTAL DATA SHEET

(Certified Product Data Sheet)

Date of Preparation

Dec 11, 2023

30 00 [3453]

## PRODUCT NUMBER

F93H118

## PRODUCT NAME

MIL-DTL-53039E Type IX Coating, Aliphatic Polyurethane, Single Component, Chemical Agent Resistant, Q1922,  
Tan 686A, 33446

## 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)

F93H118 = | Acute | Chronic | Fire |

## Product Weight

9.05 lb/gal

## Specific Gravity

1.09

## FLASH POINT

95 °F PMCC

## Volatile Ingredients

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	1	1
Methyl Isoamyl Ketone 110-12-3	N	N	N	N	27	37
n-Butyl Acetate 123-86-4	N	Y	N	N	1	2
Isooctyl Acetate 108419-32-5	N	N	N	N	1	2

## 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	2	3

## Regulated Compounds

	SARA 302 EHS	CERCLA	SARA 313 TC	HAPS 112	% by Weight	% by Volume
Chromium Compound	N	N	Y	Y	1	

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

	F93H118	
	LB/Gal	g/L
Coating Density	9.05	1084
	By wt	By vol
Total Volatiles	32.7%	43.1%
Federally exempt solvents		
Water	0.0%	0.0%
4-Methyl-1,3-dioxolan-2-one	1.1%	1.0%
Organic Volatiles	31.6%	42.0%
Percent Non-Volatile	67.3%	56.9%
VOC Content	LB/Gal	g/L
Total	2.86	342
Less exempt solvents	2.89	346
Of solids	5.02	602
Of solids	0.47 lb/lb	0.47 kg/kg
	By wt	
By wt LVP-VOC	31.2%	

Maximum Incremental Reactivity (MIR) (per US EPA Aerosol Ctg Rule, MIR Values 2009) **0.76**

**Volatile Organic Compounds - California**

	F93H118	
	LB/Gal	g/L
Coating Density	9.05	1084
	By wt	By vol
Total Volatiles	32.7%	43.1%
Exempt solvents		
Water	0.0%	0.0%
Organic Volatiles	32.7%	43.1%
Percent Non-Volatile	67.3%	56.9%
VOC Content	LB/Gal	g/L
Total	2.96	355
Less exempt solvents	2.96	355
Of solids	5.20	623
Of solids	0.48 lb/lb	0.48 kg/kg
	By wt	
By wt LVP-VOC	31.2%	

Maximum Incremental Reactivity (MIR) (per California Air Resources Board Aerosol Products Regulation, MIR Values 2010) **0.80**

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

	F93H118	
	LB/Gal	g/L
Coating Density	9.05	1084
	By wt	By vol
Total Volatiles	32.7%	43.1%
Exempt solvents		
Water	0.0%	0.0%
4-Methyl-1,3-dioxolan-2-one	1.1%	1.0%
Organic Volatiles	31.6%	42.0%
Percent Non-Volatile	67.3%	56.9%
VOC Content	LB/Gal	g/L
Total	2.86	342
Less exempt solvents	2.89	346
Of solids	5.02	602
Of solids	0.47 lb/lb	0.47 kg/kg

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

	F93H118	
	By wt	By vol
Total Volatiles	37.2%	47.4%
VOC Content	LB/Gal	g/L
Total	3.36	403

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

	F93H118	
	By wt	By vol
Total Volatiles	31.6%	42.0%
VOC Content	LB/Gal	g/L
Total	2.86	342

**Volatile Organic Compounds - Mexico**

	F93H118	
	LB/Gal	g/L
Coating Density	9.05	1084
	By wt	By vol
Total Volatiles	32.7%	43.1%
Exempt solvents		
Water	0.0%	0.0%
Organic Volatiles	32.7%	43.1%
Percent Non-Volatile	67.3%	56.9%
VOC Content	LB/Gal	g/L
Total	2.96	355
Less exempt solvents	2.96	355
Of solids	5.20	623
Of solids	0.48 lb/lb	0.48 kg/kg

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

	F93H118	
	LB/Gal	kg/L
Volatile HAPS	0.00	0.000
Of solids	0.00	0.000
Of solids	0.00 lb/lb	0.00 kg/kg

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

6.88 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 and extractability 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.