

MATERIAL SAFETY DATA SHEET

F63VXH2621-4302
01 00Part Number - G600-244
MSDS - OI-059MANUFACTURER'S NAME
THE SHERWIN-WILLIAMS COMPANY
101 Prospect Avenue N.W.
Cleveland, OH 44115EMERGENCY TELEPHONE NO.
(216) 566-2917DATE OF PREPARATION
28-JUL-97INFORMATION TELEPHONE NO.
(216) 566-2902=====
Section I -- PRODUCT IDENTIFICATION
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PRODUCT NUMBER

HMIS CODES

F63VXH2621-4302

Health 2
Flammability 3
Reactivity 0

PRODUCT NAME

POLANE* T Plus Custom Polyurethane Enamel, f63vxh2621-4302

PRODUCT CLASS

Base component for 2-package Polyurea Coating
=====Section II -- HAZARDOUS INGREDIENTS
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INGREDIENT CAS No.	% by WT	ACGIH TLV	OSHA PEL	UNITS	V.P.
Toluene. 108-88-3	1 STEL	50	100 PPM	(Skin)	22.00
Xylene. 1330-20-7	2 STEL	100	100 PPM	(Skin)	5.90
Methyl n-Amyl Ketone. 110-43-0	1	50	100 PPM		2.14
Isopropyl Acetate. 108-21-4	7 STEL	250	250 PPM		47.50
n-Butyl Acetate. 123-86-4	6 STEL	150	150 PPM		10.00
Calcium Carbonate. 471-34-1	45	10	15(5) MG/M3	as Dust ***	
Titanium Dioxide. 13463-67-7	18	10	10(5) MG/M3	as Dust ***	

*** Total Dust (Respirable Fraction)

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Section III -- PHYSICAL DATA
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PRODUCT WEIGHT -- 14.25 lb./gal. EVAPORATION RATE -- Slower than Ether
 SPECIFIC GRAVITY -- 1.71 VAPOR DENSITY -- Heavier than Air
 BOILING POINT -- 185-308 F MELTING POINT -- N.A.
 VOLATILE VOLUME -- 37 % SOLUBILITY IN WATER -- N.A.
 VOC (Theoretical) -- 2.67 lb. 320 gm. (less Federally Exempt Solvents)

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Section IV -- FIRE AND EXPLOSION HAZARD DATA
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FLASH POINT LEL UEL
 62 F TCC 1.0 7.9

FLAMMABILITY CLASSIFICATION
 RED LABEL -- Flammable, Flash below 100 F

Continued on page 2

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EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam
UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

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Section V -- HEALTH HAZARD DATA

ROUTES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

ACUTE Health Hazards

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

EMERGENCY AND FIRST AID PROCEDURES

If INHALED: If affected, remove from exposure. Restore breathing.

Keep warm and quiet.

If on SKIN: Wash affected area thoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

If in EYES: Flush eyes with large amounts of water for 15 minutes.

Get medical attention.

If SWALLOWED: Get medical attention.

CHRONIC Health Hazards

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver, urinary, blood forming, cardiovascular and reproductive systems.

Rats exposed to titanium dioxide dust at 250 mg./m3 developed lung cancer, however, such exposure levels are not attainable in the workplace.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

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Section VI -- REACTIVITY DATA

F63VXH2621-4302

page 3

STABILITY -- Stable
CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

Section VII -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate and remove with inert absorbent.

WASTE DISPOSAL METHOD

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.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section VIII -- PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section II) which may be present at hazardous levels during sanding or abrading of the dried film. If no specific dusts are listed in Section II, the applicable limits for nuisance dusts are ACGIH TLV 10 mg./m³ (total dust), 3 mg./m³ (respirable fraction), OSHA PEL 15 mg./m³ (total dust), 5 mg./m³ (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section II.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section II.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

Section IX -- PRECAUTIONS

DOL STORAGE CATEGORY

1B

Continued on page 4

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Contents are FLAMMABLE. Keep away from heat, sparks, and open flame.
During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.
Consult NFPA Code. Use approved Bonding and Grounding procedures.
Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS

This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.
Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

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Section X -- OTHER REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
108-88-3	Toluene.	1	
1330-20-7	Xylene.	2	

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. 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.

ENVIRONMENTAL DATA SHEET

01 00 [1757]

THE SHERWIN-WILLIAMS COMPANY
 101 Prospect Avenue N.W.
 Cleveland, OH 44115
 28-JUL-97

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.

PRODUCT

* - Trade Mark

F63VXH2621-4302

POLANE* T Plus Custom Polyurethane Enamel, f63vxh2621-4302

PRODUCT WEIGHT

14.25 lb/gal

SPECIFIC GRAVITY

1.71

FLASH POINT

62 F TCC

HAZARD CATEGORY (for SARA 311/312)

Acute Fire

	SARA 302 EHS	CERC.	SARA 313 TC	HAPS 112	Pct by Wt	Pct by Vol
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VOLATILE INGREDIENTS						
Toluene. 108-88-3	N	Y	Y	Y	1	3
Xylene. 1330-20-7	N	Y	Y	Y	2	3
Methyl n-Amyl Ketone. 110-43-0	N	N	N	N	1	3
Isopropyl Acetate. 108-21-4	N	N	N	N	7	15
n-Butyl Acetate. 123-86-4	N	Y	N	N	6	11

F63VXH2621-4302

page 2

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 VOLATILE ORGANIC COMPOUNDS (follows EPA "as Supplied" VOC Data Sheet)
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A. Coating Density		14.25 lb/gal	1707 g/l
B. Total Volatiles		18.8 % by wt.	37.0 % by vol.
C. Federally exempt solvents:			
Water		0.0 % by wt.	0.0 % by vol.
D. Organic Volatiles		18.8 % by wt.	37.0 % by vol.
E. Percent Non-Volatile		81.2 % by wt.	63.0 % by vol.
F. VOC Content	2.67 lb/gal	320 g/l	total
	1. 2.67 lb/gal	320 g/l	less exempt solvents
	2. 4.24 lb/gal	508 g/l	solids
	0.23 lb/lb	0.23 kg/kg	solids

HAZARDOUS AIR POLLUTANTS

Volatile HAPS Pounds per Gallon	0.42 lbs/gal
Volatile HAPS Pounds per Gallon of Solids	0.67 lbs/gal
Volatile HAPS Pounds per Pound of Solids	0.04 lbs/lb

AIR QUALITY DATA

Density of Organic Solvent Blend	7.22 lbs/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.