

## MATERIAL SAFETY DATA SHEET

F63VXA1739-4366  
01 00Part Number - G600-245  
MSDS - OI-060MANUFACTURER'S NAME  
THE SHERWIN-WILLIAMS COMPANY  
101 Prospect Avenue N.W.  
Cleveland, OH 44115EMERGENCY TELEPHONE NO.  
(216) 566-2917DATE OF PREPARATION  
11-JUN-97INFORMATION TELEPHONE NO.  
(216) 566-2902=====  
Section I -- PRODUCT IDENTIFICATION  
=====

PRODUCT NUMBER	HMIS CODES
F63VXA1739-4366	Health 2 Flammability 3 Reactivity 0

PRODUCT NAME  
POLANE\* T Plus Custom Polyurethane Enamel, Lanier Lt. Gray

PRODUCT CLASS  
Base component for 2-package Polyurethane Coating

=====  
Section II -- HAZARDOUS INGREDIENTS  
=====

INGREDIENT CAS No.	% by WT	ACGIH TLV	OSHA PEL	UNITS	V.P.
Toluene. 108-88-3	1 STEL	50	100	PPM (Skin) 150 PPM (Skin)	22.00
Xylene. 1330-20-7	2 STEL	100 150	100	PPM 150 PPM	5.90
Methyl n-Amyl Ketone. 110-43-0	2	50	100	PPM	2.14
Isopropyl Acetate. 108-21-4	8 STEL	250 310	250	PPM 310 PPM	47.50
n-Butyl Acetate. 123-86-4	6 STEL	150 200	150	PPM 200 PPM	10.00
Calcium Carbonate. 471-34-1	44 ***	10	15(b)	MG/M3 as Dust *** Total Dust (Respirable Fraction)	
Titanium Dioxide. 13463-67-7	16 ***	10	10(5)	MG/M3 as Dust *** Total Dust (Respirable Fraction)	

=====  
Section III -- PHYSICAL DATA  
=====

PRODUCT WEIGHT -- 13.89 lb./gal.    EVAPORATION RATE -- Slower than Ether

SPECIFIC GRAVITY -- 1.67                      VAPOR DENSITY -- Heavier than Air

BOILING POINT -- 185-308 F                      MELTING POINT -- N.A.

VOLATILE VOLUME -- 38 %                      SOLUBILITY IN WATER -- N.A.

VOC (Theoretical) -- 2.77 lb.                      333 gm. (less Federally Exempt Solvents)

=====  
Section IV -- FIRE AND EXPLOSION HAZARD DATA  
=====

FLASH POINT	LEL	UEL
62 F TCC	1.0	7.9

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

Continued on page 2

F63VXA1739-4366

page 2

## =====

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.

## =====

## 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

May cause allergic respiratory and/or skin reaction in susceptible persons or sensitization. This effect may be delayed several hours after exposure.

## EMERGENCY AND FIRST AID PROCEDURES

- If INHALED: If any breathing problems occur during use, LEAVE THE AREA and get fresh air. If problems remain or occur later, IMMEDIATELY get medical attention.
- 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.

Persons sensitive to isocyanates will experience increased allergic reaction on repeated exposure.

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.

Continued on page 3

=====  
Section VI -- REACTIVITY DATA  
=====

STABILITY -- Stable

CONDITIONS TO AVOID

None known.

COMPATIBILITY

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

NO PERSON SHOULD USE THIS PRODUCT, OR BE IN THE AREA WHERE IT IS BEING USED, IF THEY HAVE CHRONIC (LONG-TERM) LUNG OR BREATHING PROBLEMS OR IF THEY EVER HAD A REACTION TO ISOCYANATES.

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 only 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

Where overspray is present, a positive pressure air supplied respirator (TC19C NIOSH/MSHA approved) should be worn. If unavailable, a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section II may be effective. Follow respirator manufacturer's directions for use. Wear the respirator for the whole time of spraying and until all vapors and mists are gone. NO PERSONS SHOULD BE ALLOWED IN THE AREA WHERE THIS PRODUCT IS BEING USED UNLESS EQUIPPED WITH THE SAME RESPIRATOR PROTECTION RECOMMENDED FOR THE PAINTERS.

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.

Continued on page 4

=====

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.

OTHER PROTECTIVE EQUIPMENT

Use barrier cream on exposed skin.

=====

Section IX -- PRECAUTIONS

-----

DOL STORAGE CATEGORY

1B

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.

=====

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.