

# MATERIAL SAFETY DATA SHEET

May 15, 2012

## SECTION I – COMPANY AND PRODUCT IDENTIFICATION

MANUFACTURER'S NAME: Tibbetts Newport Corp.  
STREET ADDRESS: 2337 S. Birch Street, Santa Ana, CA 92707  
EMERGENCY TELEPHONE #: 714/546-6661

PRODUCT CLASS: Alkyd Based Varnish  
NAME: **TITAN POLY-URETHANE GLOSS**  
PRODUCT NUMBER: **5700**  
COLOR: Clear

### Hazardous Materials Identification System

(0 = none to 4=extreme)

Health 1  
Flammability 2  
Reactivity 0  
Maximum Personal Protection X – See Section VIII

## SECTION II – COMPOSITION INFORMATION AND EXPOSURE LIMIT

----- NO MERCURY, NO LEAD -----

Hazardous Components	CAS #	OSHA / PEL	ACGIH / TLV	mm HG @Temp Vapor Pressure	Weight %
Mineral Spirits	64742-47-8	N/E	N/E	2.0 68F	35 %
Xylene	1330-20-7	100 PPM	100 PPM	6.7 68F	3 %
Ethyl benzene	100-41-4	100 PPM	100 PPM	10.0 68F	0.5 %

Toxic Chemical Reporting requirements of Section 313 of Title III of 40 CFR 372.

## SECTION III - PHYSICAL CHARACTERISTICS

BOILING POINT: 315 - 391 degrees F COATING V.O.C.: 275 Grams/Liter  
VAPOR DENSITY: Heavier than Air MATERIAL V.O.C.: 275 Grams/Liter  
EVAPORATION RATE: Slower than Ether  
WEIGHT PER GALLON: 7.81  
SOLUBILITY IN WATER: No  
APPEARANCE & ODOR: Clear

## SECTION IV - HEALTH HAZARD DATA

### Emergency Overview

Vapors may be irritating to eyes, nose, throat, and lungs. May cause skin irritation and/or dermatitis.  
Rags, steel wool or waste soaked with this product may spontaneously catch fire if improperly discarded.  
This material is considered hazardous by OSHA Hazard Communication Standard (29 CFR 1910.1200).

### **HEALTH HAZARDS (ACUTE & CHRONIC):**

SKIN: Irritation and dermatitis  
EYES: Redness, tearing and blurred vision

**INHALATION:** Excessive inhalation can cause nasal respiratory irritation, dizziness, fatigue, headache and nausea

**Inhalation:** Dizziness, headaches, breathing and coordination problems. If overexposed symptoms to the vapor or mist occur, provide plenty of fresh air and call physician.

**Eyes:** Use good hygiene practices. Dry contaminated clothing. For eye contact, flush immediately with large amount of fresh water for at least 15 minutes. Seek medical attention if irritation persists.

**Skin:** Prolonged or repeated contact may cause skin dryness leading to irritation and dermatitis.

**Ingestion:** If swallowed, can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Seek medical attention immediately.

**Target Organ and Other Health Effects:**

Kidney injury may occur.

Causes headache, drowsiness or other effects to the central nervous system.

Liver injury may occur.

**This product contains ingredients that may contribute to the following potential chronic health effects:**

Notice: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Internal misuse by deliberately concentrating and inhaling the contents may harmful or fatal.

**Medical conditions and aggravated by exposure:** Anesthesia, respiratory disorders, nausea, vomiting, and dermatitis may be aggravated. Possible unconsciousness.

**EMERGENCY & FIRST AID PROCEDURES**

**SKIN:** Clean with soap and water.

**INGESTION:** Do not induce vomiting. Seek medical attention immediately.

**INHALATION:** Remove from exposure immediately. Provide fresh air, and seek medical attention.

**EYE CONTACT:** Flush immediately with water. Seek medical attention.

**SECTION V - FIRE & EXPLOSION HAZARD DATA**

DOT Name/ Class/ Number: Paint / Combustible Liquid / UN1263

FLASH POINT: 105 degrees F  
Method Used: TCC

FLAMMABLE LIMITS IN AIR BY VOLUME: 1. Lower explosion level - 1.0%  
2. Upper explosion level - 6.0%

EXTINGUISHING MEDIA: Foam, CO2, Dry Chemical, Water fog

SPECIAL FIRE FIGHTING PROCEDURES: Do not use water except as a fog. Use self contained breathing apparatus.

UNUSUAL FIRE & EXPLOSION HAZARDOUS: Do not apply on hot surfaces. Do not open or use at near any flame or sparks. Keep away from extreme heat.

### **SECTION VI - REACTIVITY DATA**

STABILITY:	Stable
CONDITIONS TO AVOID:	Do not use near an open flame or direct heating. Excessive heat may cause containers to rupture
INCOMPATIBILITY:	Oxygen and strong oxidizing agent.
HAZARDOUS DECOMPOSITION PRODUCTS:	CO, CO <sub>2</sub> , or other hydrocarbons by combustion
HAZARDOUS POLYMERIZATION:	Will not occur

### **SECTION VII - ENVIRONMENTAL INFORMATION**

STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED: Pick up immediately and safely discard absorbents. In the event of large spills, dike the area and pump the material to a nearby permitted waste tank in accordance with current regulations.

WASTE DISPOSAL METHOD: Dispose in accordance with current local, state and federal regulations governing solvent-based paints.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Operating tools must be non-sparking. Before opening, electrostatic bonding between dispensing & receiving containers must be done. Also electrostatic grounding of the containers must be provided. Avoid prolonged breathing of vapors or skin contact. Keep away from excessive heat.

OTHER PRECAUTIONS: Avoid all sources of heat, open flames, sparks and static electricity.

### **SECTION VIII – PERSONAL PROTECTION EQUIPMENT AND EXPOSURE CONTROL METHODS**

#### **Personal Protection Equipment**

RESPIRATORY PROTECTION: When spraying this product, use a properly fitted NIOSHI approved respirator to remove spray mist. When using in a poorly ventilated and confined spaces, use fresh air supplying respirator or self-contained breathing apparatus.

PROTECTIVE GLOVES: Neoprene or non-soluble plastic, if need to reduce the effects of skin overexposure.

EYE PROTECTION: Goggles or face shields.

OTHER PROTECTION: Wear impervious clothing and boots to reduce the effects of skin overexposure.

VENTILATION: Provide sufficient mechanical ventilation with explosion proof equipment to maintain exposure level below TLV and LEL limits.

HYGIENIC PRACTICES: Eye washes, barrier creams, daily showers and change of contaminated clothes

### **SECTION IX – TRANSPORT INFORMATION**

#### **U.S. Department of Transportation**

**Proper Shipping Name:** Paint

**Hazard Class:** 3

**UN ID Number:** UN1263

**Packing Group:** III

In the US this material may be reclassified as a Combustible Liquid and is not regulated in containers of less than 119 gallons (450 liters) via surface transportation (refer to 49CFR173.120(b)(2) for further information).

## **SECTION X – TOXICOLOGICAL INFORMATION**

### **Acute Toxicity**

#### **Product**

Repeated or prolonged exposure to organic solvents may lead to permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling vapors may be harmful or fatal.

#### **Component**

##### Xylene

LD50 Dermal: > 1700 mg/kg (Rabbit)  
LD50 Oral: 4300 mg/kg (Rat)  
LC50 Inhalation (Vapor): 5000 ppm (Rat, 4 hours)  
Sensitization: No sensitizing effects known.

##### Mineral spirits

LD50 Oral: > 5,000 mg/kg (Rat)  
LD50 Dermal: > 3160 mg/kg (Rabbit)  
LC50 Inhalation (Vapor): > 6.1 mg/L (Rat)

##### Ethyl benzene

LD50 Oral: 3500 mg/kg (Rat)  
LD50 Dermal: > 5000 mg/kg (Rabbit)  
LC50 Inhalation (Vapor): 55000 mg/m<sup>3</sup> (Rat, 2 hr.)  
Sensitization: No sensitizing effects

### **Chronic Toxicity**

#### **Carcinogenicity**

The information below indicates whether each agency has listed any ingredient as a carcinogen:

<b>Chemical Name</b>	<b>ACGIH</b>	<b>IARC</b>	<b>NTP</b>	<b>OSHA/Carcinogen</b>
Ethyl benzene	A3 – Confirmed Animal Carcinogen with Unknown Relevance to Humans	2B - Possible Human Carcinogen		Listed

- Contains ethyl benzene, which has been determined by NTP to be an animal carcinogen with no known relevance to humans. IARC has classified ethyl benzene as possibly carcinogenic to humans (2b) on the basis of sufficient evidence of carcinogenicity in laboratory animals but inadequate evidence of cancer in humans.
- Although IARC has classified titanium dioxide as possibly carcinogenic to humans (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium dioxide is bound to other materials, such as paint."

#### **Legend**

ACGIH - American Conference of Governmental Industrial Hygienists  
IARC - International Agency for Research on Cancer  
NTP - National Toxicity Program  
OSHA - Occupational Safety & Health Administration

## **SECTION XI: REGULATORY INFORMATION**

### **International Inventories**

**United States TSCA** Yes - All components are listed or exempt.

**Canada DSL** Yes - All components are listed or exempt.

### **Federal Regulations**

#### **SARA 311/312 hazardous categorization**

Acute Health Hazard	Yes
Chronic Health Hazard	Yes
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

<b>Chemical Name</b>	<b>CAS-No</b>	<b>Weight % (max)</b>
Xylene	1330-20-7	3.0
Ethyl benzene	100-41-4	0.5

*This product may contain trace amounts of (other) SARA reportable chemicals.*

#### **Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)**

This product contains the following HAPs:

<b>Chemical Name</b>	<b>CAS-No</b>	<b>Weight % (max)</b>
Xylene	1330-20-7	3.0
Ethyl benzene	100-41-4	0.5

*This product may contain trace amounts of (other) HAPs chemicals. Contact the preparer for further information*

### **State Regulations**

#### **California Proposition 65**

*This product may contain small amounts of materials known to the state of California to cause cancer or reproductive harm.*

## **SECTION XII: OTHER INFORMATION**

**WARNING!** If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

## **SECTION XIII - DISCLAIMER**

NOTICE: To the best of our knowledge, this information is accurate. However, we do not guarantee its accuracy and cannot be liable for any damages actual and consequential which might result from reliance thereon.