



## MATERIAL SAFETY DATA SHEET

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: TitanBOOST HD  
PRODUCT CODES: CF-0792  
PRODUCT USE: Urethane Remover  
CHEMICAL NAME: Urethane Remover

MANUFACTURER: Praetorian Protective Finishes, LLC  
ADDRESS: 226 North River Ridge Circle  
Burnsville MN 55337

PHONE NUMBER: 952-895-6962  
FAX NUMBER: 952-895-6964  
EMERGENCY PHONE: CHEMTREC (800) 424-4544

### SECTION 2: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Clear, slightly amber liquid. Not flammable. May cause irritation to eyes skin or respiratory with prolonged contact. Ingestion may cause gastric distress.

POTENTIAL HEALTH EFFECTS:  
EYES: See Section 11 for more information.  
SKIN: Contact with eyes may cause irritation.  
INGESTION: None expected. Prolonged contact may cause irritation.  
INHALATION: May cause gastric distress, vomiting and diarrhea.  
None expected. Breathing airborne particles or dust from mixing, spraying, sanding, grinding, etc. may cause irritation to respiratory tract.

CARCINOGENICITY: No  
ENVIRONMENTAL HAZARDS: No  
OSHA REGULATED: No

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS:	CAS NO.	% WT
Dipropylene Glycol Monomethyl Ether	345590-94-8	1-5%
Proprietary alkanolamine	Not Specified	3-8%
2-Methylpentane-2,4-Diol	107-41-5	15-25%
Phenylcarbinol	100-51-6	15-25%
(2(2-Methoxymethylethoxy)Methylethoxy) Propanol	25498-49-1	5-10%

### SECTION 4: FIRST AID MEASURES

EYE CONTACT: Check for and remove contact lenses. Flush eyes with clean clear running water for 15 minutes while holding eyes open. If irritation persists, seek medical attention.

SKIN CONTACT: Remove contaminated clothing. Wash affected area with soap and water. Launder contaminated clothing before reuse. If irritation persists, seek medical attention.

INGESTION: Give two glasses of water for dilution. DO NOT induce vomiting. Never give anything by mouth to an unconscious person; seek medical attention.

INHALATION: If signs of overexposure; remove the affected person to fresh air. If symptoms persist; seek medical attention.

GENERAL ADVISE: In case of accident or if you feel unwell, seek medical advise immediately (show the label or MSDS where possible).

### SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABILITY: Product is not considered flammable or combustible by WHMIS/OSHA criteria. However, product will support combustion if involved in a fire. Products of combustion include compounds of carbon, hydrogen, nitrogen and oxygen; including carbon monoxide.

EXTINGUISHING MEDIA: Use NFPA Class B Fire Extinguishers; carbon dioxide, all purpose dry chemical, water water fog, or chemical foam; polymer foam is preferred for large fires.

FIRE FIGHTING PROCEDURES: Use water mist to keep containers cool to prevent rupture.

PROTECTION OF FIREFIGHTERS: Fire fighters should wear self-contained breathing apparatus. Floor may become slippery if material is released, caution is advised.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

METHODS FOR CONTAINMENT CLEAN UP: WILL SUPPORT COMBUSTION. Ventilate area. Confine spill to a small area. Use absorbent material to clean up. Place soiled materials in approved containers for disposal.

### SECTION 7: HANDLING AND STORAGE

HANDLING: Avoid contact with skin and eyes. Do not swallow. Handle container with care. When using do not eat or drink. Wash hands before eating, drinking, or smoking.

STORAGE: Do not store in extremely high temperatures, above 115°F (46°C). Do not store in area below 32°F (0°C). Keep out of the reach of children. Keep container tightly closed. Keep away from food, drink animal feeding stuffs. Protect containers from abuse.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### EXPOSURE GUIDELINES:

INGREDIENT	OSHA	ACGIH		NIOSH
	Z-1 PEL	TWA	STEL	
Dipropylene glycol monomethyl ether	100 ppm skin	100 ppm	100 ppm skin	

Proprietary alkanolamine	NE	NE	NE	NE
2-Methylpentane-2,4-Diol	NE	25 ppm		
Phenylcarbinol	NE	NE	NE	NE
(2(2-Methoxymethylethoxy)Methylethoxy) Propanol	NL	NL	NL	NL

**ENGINEERING CONTROLS:** Practice safe work habits. Minimize body contact with this product and all other chemicals in general.

**PERSONAL PROTECTIVE EQUIPMENT:**

**Eye/Face Protection:** Safety Glasses recommended for general protection, refer to 29 CFR 1910.133 or European Standard EN166.

**Skin Protection:** Recommended for general protection. Nitrile gloves are appropriate.

**Respiratory Protection:** NIOSH approved respirator designed to remove airborne particulate present in excess of maximum allowable concentrations due to secondary operations such as mixing, sanding, buffing, etc. Refer to 29 CFR 1910.134 or European Standard EN 149 for regulations.

**General Hygiene Considerations:** Handle according to established industrial hygiene and safety practices. Safety eyewash station nearby. Avoid breathing mist. Avoid contact with eyes and skin. Thoroughly wash after handling and before eating or drinking. There are no known hazards associated with this material when used as recommended.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>APPEARANCE/COLOR:</b>	Clear Amber	<b>LOWER FLAMMABILITY RATE:</b>	Not Applicable
<b>ODOUR:</b>	Characteristic Odor	<b>UPPER FLAMMABILITY RATE:</b>	Not Applicable
<b>PHYSICAL STATE:</b>	Liquid	<b>VAPOR PRESSURE (mmHg):</b>	17mm Hg @20C
<b>pH :</b>	10.5-11.00	<b>VAPOR DENSITY (AIR = 1):</b>	Not Determined
<b>VISCOSITY:</b>	NA	<b>SPECIFIC GRAVITY (H2O = 1)/WT. PER GAL.:</b>	0.99/8.28#
<b>FREEZING POINT:</b>	Not Specified	<b>SOLUBILITY IN WATER:</b>	Complete
<b>BOILING POINT:</b>	212F	<b>COEFFICIENT OF WATER/OIL DISTRIBUTION:</b>	Not Determined
<b>FLASHPOINT:</b>	Non-Flammable	<b>AUTO-IGNITION TEMPERATURE:</b>	Not Applicable
<b>EVAPORATION RATE:</b>	Not Specified	<b>VOLATILE ORGANIC COMPOUNDS (VOC):</b>	Less than 2.5% by volume; Consumer Goods Regulations

**SECTION 10: STABILITY AND REACTIVITY**

<b>STABILITY:</b>	Stable
<b>CONDITIONS TO AVOID:</b>	Extreme Temperatures
<b>INCOMPATIBLE MATERIALS:</b>	Strong oxidizers, strong acids
<b>HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:</b>	Decomposition will not occur if handles and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes or vapors, and smoke may be produced.
<b>HAZARDOUS POLYMERIZATION</b>	WILL NOT OCCUR

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENT:	ACUTE TOXICITY - LD50 /LC50				CHRONIC EFFECTS	
	LC50 - Inhalation / Species	ORAL / Species	DERMAL / Species	Eye Irritation / Species	Target Organs	Carcinogen or Potential
Dipropylene glycol monomethyl ether	> 500ppm 7 h aerosol - Rat	5135 mg/kg - Rat	20 ml/kg - Rabbit		Did not cause birth defects in lab animals	No
Proprietary alkanolamine	NA	NA	NA	NA	NA	No
2-Methylpentane-2,4-Diol	> 60ppmv 1 hr - Rat	2800-4700 mg/kg rat, rabbit, mice,	12,300-13,200 mg/kg - Rabbit		None Known	No
Phenylcarbinol	2000 ppm 4H (LCLo) - Rat	1230 mg/kg - Rat	2000 mg/kg - Rabbit		Reproductive, Liver, Central Nervous System	No
(2(2-Methoxymethylethoxy)Methylethoxy) Propanol		3200 mg/kg - Rat	14505 mg/kg - Rabbit		Kidney; prolonged repeated exposure	

\*See Section 15 for more information

**SECTION 12: ECOLOGICAL INFORMATION**

No Data is available on the adverse effects of this material on environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.

**SECTION 13: DISPOSAL CONSIDERATIONS**

All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Regulations may vary in different locations. Waste compliance with applicable laws are the responsibility solely of the waste generator. Praetorian has no control over the management practices of parties handling or using the material.

**SECTION 14: TRANSPORT INFORMATION**

<b>PROPER SHIPPING NAME:</b>	Non-Hazardous for Transport	<b>IATA HAZARD CLASS / Packaging Group:</b>	Not Regulated
<b>DOT HAZARD CLASS/Packaging Group</b>	Not Regulated	<b>IMDG HAZARD CLASS:</b>	Not Regulated
<b>REFERENCE:</b>	Not Applicable	<b>RID / ADR Dangerous Goods Group:</b>	Not Regulated
<b>UN / NA IDENTIFICATION NUMBER:</b>	None	<b>UN TDG Class / Packaging Group:</b>	Not Regulated
<b>LABEL:</b>	None Required	<b>HIN # (Hazard Identification Number):</b>	None
<b>HAZARD SYMBOLS:</b>	Harmful		

NOTE: Transportation information provided is for reference only. Client is urged to consult CFR 49 parts 100-177, IMDG, IATA, EU, United Nations TDG, and WHIMS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.

**SECTION 15: REGULATORY INFORMATION**

**US FEDERAL REGULATIONS:**

**OSHA HAZARD COMMUNICATION STANDARD:** This product is not a "hazardous Chemical" as defined by the OSHA Hazard Communication Standard (CFR29 1910.1200).

**SUPERFUND AMENDMENTS AND REAUTORIZATION ACT OF 1986 TITLE III (Emergency Planning and Community Right-to-know Act of 1986)**

INGREDIENT:	SARA Section 311					SARA Section 313	SARA Section 302
	Immediate (Acute)	Delayed (Chronic)	Fire Hazard	Reactive Hazard	Sudden Release of Pressure		
Dipropylene glycol monomethyl ether	Yes	No	Yes	No	No	No	No
Proprietary alkanolamine	Yes	No	Yes	No	No	No	No
2-Methylpentane-2,4-Diol	Yes	No	No	No	No	No	No
Phenylcarbinol	Yes	Yes	Yes	No	Yes	No	No
(2(2-Methoxymethylethoxy)Methylethoxy) Propanol	No	No	No	No	No	No	No

**CERCLA - Comprehensive Response**

**Compensation and Liability Act:**

None

**CALIFORNIA PROPOSITION 65:**

This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

**STATE RIGHT-TO-KNOW:**

All required components are listed in Section 3

**TSCA - Toxic substances Control Act:**

All components of this product and on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

**CANADIAN:**

**CEPA - Canadian Environmental**

**Protection Act (DSL / NDSL - Canadian Domestic Substance List / Non-Domestic Substance List):**

Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) Regulations. Only ingredients classified as "hazardous" are listed in Section 3 unless otherwise indicated.

**IDL - Canadian Ingredient Disclosure List:**

Components of this product identified by CAS number are listed on the Canadian Ingredient Disclosure List are shown in Section 3.

**CPR - Canadian Controlled Products Regulations:**

This Product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all information required by the Controlled Products Regulations.

**WHMIS CLASSIFICATION(S):**

D1B, D2B

**EINECS - European Inventory of Existing Commercial Chemical Substances:**

Components of this product identified by CAS numbers, Section 3, are on the European Inventory of Existing Commercial Chemical Substances.

**SECTION 16: OTHER INFORMATION**

**NFPA - NATIONAL FIRE PROTECTION ASSOCIATION:**

**Hazard Rating:** 0=minimal, 1=slight, 2=moderate, 3=severe, 4=extreme



**Health:**

2\*

**Fire:**

1

**Reactivity:**

0

**Protection:**

C

Safety Glasses, Gloves, Apron

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third party/persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.

**DATE OF PREPARATION:**

February 13, 2008

**REVISION DATE:**

August 5, 2010