

#### **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 PHONE NUMBER: 952-895-6962 ADDRESS: FAX NUMBER: 226 North River Ridge Circle 952-895-6964

Burnsville MN 55337 **EMERGENCY PHONE:** CHEMTREC (800) 424-4544

#### **SECTION 2: HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW** Clear, slightlyy amber liquid. Not flammable. May cause irritation to eyes skin or respiratory with prolonged contact. Ingestion may cause

gastric distress.

**POTENTIAL HEALTH EFFECTS:** See Section 11 for more information. EYES: Contact with eyes may cause irritation.

SKIN: None expected. Prolonged contact may cause irritation. INGESTION: May cause gastric distress, vomiting and diarrhea.

INHALATION: 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

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.

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. STORAGE:

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		
	Z-1 PEL	TWA	STEL	NIOSH
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 concentations 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. Thoughly 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

APPEARANCE/COLOR: LOWER FLAMMABILITY RATE: Clear Amber Not Applicable UPPER FLAMMABILITY RATE: Characteristic Odor Not Applicable PHYSICAL STATE: Liquid VAPOR PRESSURE (mmHg): 17mm Hg @20C pH: 10 5-11 00 VAPOR DENSITY (AIR = 1): Not Determined SPECIFIC GRAVITY (H2O = 1)/WT. PER GAL.: VISCOSITY: 0.99/8.28# NA SOLUBILITY IN WATER: Complete FREEZING POINT: Not Specified **BOILING POINT:** 212F COEFFICIENT OF WATER/OIL DISTRIBUTION: Not Determined **AUTO-INGNITION TEMPERATURE:** FLASHPOINT: Non-Flammable Not Applicable Less than 2.5% by volume; **VOLATILE ORGANIC COMPOUNDS (VOC): EVAPORATION RATE:** Not Specified Consumer Goods Regulations

#### SECTION 10: STABILITY AND REACTIVITY

STABILITY: Stable

**CONDITIONS TO AVOID:** Extreme Temperatures

INCOMPATIBLE MATERIALS: Stong oxidizers, strong acids

HAZARDOUS DECOMPOSITION OR BY
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.

HAZARDOUS POLYMERIZATION WILL NOT OCCUR

#### SECTION 11: TOXICOLOGICAL INFORMATION

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

<sup>\*</sup>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 not BOR 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

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

	SARA Section 311						
INGREDIENT:	Immediate (Acute)	Delayed (Chronic)	Fire Hazard	Reactive Hazard	Sudden Release of Pressure	SARA Section 313	SARA Section 302
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 comp

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  $Components\ of\ this\ product\ identified\ by\ CAS\ number\ are\ listed\ on\ the\ DSL\ or\ NDSL, or\ are\ otherwise\ in\ compliance\ with\ the\ New\ Substances$ 

Notification (NSN) Regulations. Only ingredients classified as "hazardous" are listed in Section 3 unless otherwise indicated.

Domestic Substance List / Non-Domestic

Substance List):

**CPR - Canadian Controlled Products** 

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

Regulations:

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

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.

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

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.

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