

AGS **ADVANCED CORROSION SOLUTIONS INC.**

PRODUCT DATA SHEET

PETROGUARD® TAPE UW

Description

Petroguard® Tape UW is composed of a non-woven synthetic fabric carrier, fully impregnated with a neutral compound based on saturated petroleum and inert silicious fillers. The addition of a wide spectrum biocide will help prevent the growth of marine organisms.

Uses

Petroguard® Tape UW is designed to withstand extreme temperature variations and harsh submerged environments. The tape provides long term corrosion protection to pipes, flanges, valves and related surfaces. It is very effective underwater as a protective coating on pilings, risers and H-piles.

Features

- Minimal surface preparation (SSPC SP 2 – 3)
- Conforms to irregular shapes and profiles
- UV resistant
- Contains no V.O.C.'s
- Easy application, can be applied by inexperienced personnel
- Not affected by water, acids and salts
- Inert and environmentally stable
- Meets AWWA C-217
- Ready for immediate service after application
- Over sixty years of proven applications
- Can be applied above and below water

Application

Prepare surfaces by removing all loose scale, rust or other foreign matter in accordance to SSPC SP2 "Hand Tool Cleaning" or SP3 "Power Tool Cleaning". High pressure wash of 3,000 – 7,000 psi is also suitable. Apply a thin uniform coat of Petroguard® Primer Paste to entire surface with gloved hand, brush or rag. Use Petroguard® Mastic to fill irregular shapes and reduce sharp edges. Spirally wrap the tape with a minimum 25mm (1") overlap. For severely corrosive environments, a 55% overlap is recommended. For additional mechanical protection, an overwrap may be used to increase impact strength and electrical resistance.

PETROGUARD® TAPE UW

Property Specifications

Properties	English	Metric
Thickness (ASTM D1000)	46 mils	1.15 mm avg.
Weight	.295 lbs/ft ²	1.44 kg/m ² avg.
Breaking Strength (ASTM 1000)	22.5 lbf/in.	200 N/50 mm min.
Water Vapor Transmission (ASTM E96 – 66 Procedure A)	0.006 perms avg.	0.006 perms avg.
Elongation @ Break	10% avg.	10% avg.
Breakdown Voltage (55% overlap)	16 kV min.	16 kV min.
Resistance to Cathodic Disbonding (ASTM G8 – 30 days)	.28 in ² avg.	180 mm ² avg.
Resistance to Acids, Alkalies and Salts	Excellent	Excellent
Maximum Service Temperature	158°F	70°C
Roll Widths	2" to 12"	50 to 300 mm
Roll Length	33 ft	10 m
Recommended Primer	Petroguard® MP Marine Primer Paste	



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MATERIAL SAFETY DATA SHEET

NON CONTROLLED PRODUCTS

SECTION 1 – PRODUCT IDENTIFICATION AND USE					
Product Name PetroGuard® Tape UW					
Manufacturer's Name Advanced Corrosion Solutions Inc.			Supplier's Name Advanced Corrosion Solutions Inc.		
Street Address 12-1616 Matheson Boulevard			Street Address 12-1616 Matheson Boulevard		
City Mississauga	Province, Country Ontario, Canada		City Mississauga	Province, Country Ontario, Canada	
Postal Code L4W 1R9	Emergency Tel. No. (888) 463-8162 Ext. 0		Postal Code L4W 1R9	Emergency Tel. No. (888) 463-8162 Ext. 0	
Chemical Name Not Applicable		Chemical Family Not Applicable		Chemical Formula Not Applicable	
Molecular Weight Not Applicable		Trade Name & Synonyms Not Applicable		Material Use Wrapping of Metal Surfaces to Protect From Corrosion	
SECTION 2 – FORUMLATION					
Ingredients	%	UN, NA or CAS Number	LD50 of Material (Specific Species and Route)	LC50 of Material (Specific Species)	
Hydrocarbon Wax	40	N/A	Not Available	Not Available	
Process Oils	30	N/A	Not Available	Not Available	
Synthetic Fibre	10	N/A	Not Available	Not Available	
Talc	20	N/A	Not Available	Not Available	
SECTION 3 – PHYSICAL DATA					
Physical State Solid		Odour and Appearance Greenish Brown Membrane		Odour Threshold (PPM) Not Applicable	
Vapour Pressure (mm Hg) Not Available	Vapour Density (air = 1) Not Available		Evaporation Rate Not Available	Boiling Point (°C) Not Applicable	Freezing Point (°C) Softening Point of Compound 100°C
% Volatile (by volume) Negligible	Solubility in water (20°C) Negligible		pH Not Available	Specific Gravity 1.4 Approx	Coef Water/Oil Dist Not Available
SECTION 4 – FIRE AND EXPLOSION DATA					
Flammability Yes	If Yes Under What Conditions With Sufficient Heat and Flame the Compound and Fabric Carrier will Melt and Ignite				
Means of Extinction Carbon Dioxide, Chemical Foam, Dry Powder					
Special Procedure Not Available					
Section 4 – Continued on Next Page					

Flashpoint (°C) and Method Above 250°C (C.O.C.)	Upper Explosion Limit (% by volume) Not Applicable	Lower Explosion Limit (% by volume) Not Applicable	
Auto Ignition Temperature (°C) Not Available	TDG Flammability Classification Not Available	Hazardous Combustion Products Black Smoke, CO	
SECTION 5 – REACTIVITY DATA			
Chemical Stability Yes	If No, Under What Conditions?		
Incompatibility With Other Substances Yes	If Yes, Which Ones? Coating Compound is Softened by Common Organic Solvents e.g. Kerosene		
Reactivity, and Under What Conditions? Not Readily Reactive			
Hazardous Decomposition Products Combustion Products: Carbon Dioxide, Carbon Monoxide			
Section 6 – TOXICOLOGICAL PROPERTIES			
Route of Entry Skin Contact, Skin Absorption			
Effects of Acute Exposure to Material Prolonged and Repeated Contact May Irritate the Skin			
Effects of Chronic Exposure to Material Same as Above			
LD50 of Material Specify Species and Route Not Applicable	LC50 of Material Specify Species Not Applicable	Exposure Limit of Material Not Applicable	Irritancy of Material Prolonged and Repeated Contact May Irritate the Skin
Sensitivity Capability of Material Not Available	Carcinogenicity of Material Not Available	Reproductive Effects of Material Not Available	Synergistic Material Not Available
SECTION 7 – PREVENTATIVE MEASURES			
Personal Protective Equipment Overalls, Gloves, Eye Protection – Soiled Clothing Should be Changed and Cleaned			
Gloves (Specify) Grease Resistant	Respiratory (Specify) Not Applicable	Eyes (Specify) Safety Glasses	
Footwear (Specify) Not Applicable	Clothing (Specify) Overalls	Other (Specify) Not Applicable	
Engineering Controls (Specify e.g. Ventilation of Enclosed Area) Not Applicable			
Leak and Spill Procedure Add Inert Material e.g. Sand, Before Removal if Necessary			
Waste Disposal Incineration or Approved Dumping			
Handling Procedure and Equipment Avoid Contact with Face, Arms etc. Wash Thoroughly After Use and Before Work Breaks. Change and Clean Soiled Clothing.			
Storage Requirements Store Correct Way Up in Original Packaging. Store Away From Heat and Open Flame.			
Special Shipping Information Not Applicable			
SECTION 8 – FIRST AID MEASURES			
Section 8 – Continued on Next Page			

SKIN CONTACT – Wash With Warm Water and Mild Soap

EYE CONTACT – Irrigate Eyes Thoroughly with Clean Water

SWALLOWING – Obtain Medical Advice Immediately

Sources Used

Health and Safety Data Supplied by Raw Material Suppliers

Additional Information

No Guarantee, Implied or Otherwise is Made. The Information in This Data Sheet is Given in Good Faith and is Intended for Health and Safety Use Only.

SECTION 9 – PREPARATION DATES OF THE MSDS

Prepared by (Group, Department etc.)	Phone Number	Date
Advanced Corrosion Solutions Inc. Quality Control Dept. – Miss, ON Canada	(888) 463-8162	September 20, 2007