

# **AGS** **ADVANCED CORROSION SOLUTIONS INC.**

## **PRODUCT DATA SHEET**

### ***PETROGUARD® TAPE ST***

#### **Description**

Petroguard® Tape ST is composed of a non-woven synthetic fabric carrier, fully impregnated with a neutral compound based on saturated petroleum and inert silicious fillers.

#### **Uses**

Petroguard® Tape ST is an all purpose petrolatum tape for use in a wide range of applications. The tape provides long term corrosion protection to pipes, flanges, valves and related surfaces.

#### **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
- Can be applied to cold, wet surfaces
- Ready for immediate service after application
- Over sixty years of proven applications
- Can be applied above and below ground

#### **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 ST**

## **Property Specifications**

<b>Properties</b>	<b>English</b>	<b>Metric</b>
Thickness (ASTM D1000)	46 mils	1.15 mm avg.
Weight	.295 lbs/ft <sup>2</sup>	1.44 kg/m <sup>2</sup> 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)	.45 in <sup>2</sup> avg.	300 mm <sup>2</sup> 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® Standard Primer Paste	



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**ADVANCED CORROSION SOLUTIONS INC.**

MATERIAL SAFETY DATA SHEET

NON CONTROLLED PRODUCTS

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

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

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**

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