

# 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.

## <u>Uses</u>

Petroguard<sup>®</sup> 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				
Properties	English	Metric		
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 in² 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			



Mississauga, Ontario L4W 1R9 Canada Local and International Phone/Fax (289) 800 – 0409 Toll Free Phone North America (888) 463 – 8162 Toll Free Fax North America (888) 692 – 9165 info@advancedcorrosionsolutions.com www.advancedcorrosionsolutions.com

The information given on this sheet is intended as a general guide only and should not be used for specification purposes. We believe the information to be accurate and reliable but do not guarantee it. We assume no responsibility for the use of this information. Users must, by their own tests, determine the suitability of the products and information supplied by us for their own particular purposes. No patent liability can be assumed.

### ADVANCED CORROSION SOLUTIONS INC.

#### MATERIAL SAFETY DATA SHEET

## NON CONTROLLED PRODUCTS

Product Name       Supplier's Name         Advanced Corrosion Solutions Inc.       Advanced Corrosion Solutions Inc.         Street Address       Street Address         12-1616 Matheson Boulevard       12-1616 Matheson Boulevard         City       Province, Country         Mississauga       Ontario, Canada         Postal Code       Emergency Tel. No.         L4W 1R9       (888) 463-8162 Ext. 0         Chemical Name       Chemical Family         Not Applicable       Not Applicable         Not Applicable       Not Applicable         Not Applicable       Not Applicable         Not Applicable       Waterial Use         Not Applicable       Not Applicable         Not Applicable       Not Applicable         Not Applicable       Waterial Use         Not Applicable       Waterial Use         Not Applicable       Not Applicable         Number       Ib50 of Material       LC50 of Material         Ingredients       %       UN, No or         Number       Not Available       Not Available         Prosess Oils       30       N/A       Not Available         Synthetic Fibre       10       N/A       Not Available         Section 4 - Fibre And Pse	SECTION 1 – PRODUCT IDENTIFICATION AND USE								
Manufacturer's Name         Supplier's Name           Advanced Corrosion Solutions Inc.         Advanced Corrosion Solutions Inc.           Street Address         Street Address           12-1616 Matheson Boulevard         12-1616 Matheson Boulevard           City         Province, Country           Mississauga         Ontario, Canada           Postal Code         Emergency Tel. No.           L4W 1R9         (888) 463-8162 Ext. 0           L4W 1R9         (888) 463-8162 Ext. 0           Chemical Name         Chemical Family           Not Applicable         Not Applicable           Not Applicable         Not Applicable           Not Applicable         Not Applicable           Not Applicable         Not Applicable           Ingredients         %         UN, NA or           CAS         (Specific Species and Route)           Not Available         Not Available           Process Oils         30           N/A         Not Available           Not Available         Not Available           Physical State         Odour and Appearance           Odour and Appearance         Coff Waterial Not Available           Not Available         Not Available           Not Available         Not Available <td>Product Name</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Product Name								
Advanced Corrosion Solutions Inc.       Advanced Corrosion Solutions Inc.         Street Address       Street Address         12-1616 Matheson Boulevard       12-1616 Matheson Boulevard         City       Province, Country         Mississauga       Ontario, Canada         Postal Code       Emergency Tel. No.         L4W 1R9       (888) 463-8162 Ext. 0         L4W 1R9       (888) 463-8162 Ext. 0         Not Applicable       Not Applicable         Ingredients       %       UN. NA or         L050 of Material       CSpecific Species and Route)         Number       Specific Species and Route)         Hydrocarbon Wax       40       N/A         N/A       Not Available       Not Available         Synthetic Fibre       10       N/A         N/A       Not Available       Not Available         Synthetic Fibre       10       N/A         Not Available       Not Available       Not Available         Solubility in water (20°C)       Not Available       Not Available <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>									
Street Address           12-1616 Matheson Boulevard         Street Address           12-1616 Matheson Boulevard         12-1616 Matheson Boulevard           City         Province, Country           Mississauga         Ontario, Canada         Mississauga         Ontario, Canada           Postal Code         Emergency Tel. No.         Postal Code         Emergency Tel. No.           L4W 1R9         (888) 463-8162 Ext. 0         L4W 1R9         (888) 463-8162 Ext. 0           Chemical Name         Chemical Family         Chemical Formula         Not Applicable           Not Applicable         Not Applicable         Not Applicable         Not Applicable           Molecular Weight         Trade Name & Synonyms         Material Use         Wrapping of Metal Surfaces to Protect From Corrosion           SECTION 2 – FORUMLATION         EECTION 2 – FORUMLATION         (Specific Species and Route)         (Specific Species)           Hydrocarbon Wax         40         N/A         Not Available         Not Available         Not Available           Process Oils         30         N/A         Not Available         Not Available         Not Available           Synthetic Fibre         10         N/A         Not Available         Not Available         Not Available           Solid	Manufacturer's Name	<b>;</b>				Supplier's Name	;		
12-1616 Matheson Boulevard     12-1616 Matheson Boulevard       City     Province, Country       Mississauga     Ontario, Canada       Postal Code     Emergency Tel. No.       L4W 1R9     (888) 463-8162 Ext. 0       Chemical Name     Chemical Family       Not Applicable     Not Applicable       Migredients     %       UN, NA or     LD50 of Material       Reprocess Oils     30       N/A     Not Available       Process Oils     30       Synthetic Fibre     10       N/A     Not Available       Not Available     Not Available       Not Available     Not Available       Physical State     Odour and Appearance       Solubility in water (20°C)     pH       Not Available     Not Available       Not Available     Not Available       Not Available     Not Available       Not Available     Not Available       Physical State     Solubility in water (20°C)       Not Available     Not Available       Not Available     No	Advanced Corrosion	So	lutions I	nc.					ns Inc.
City Mississauga         Province, Country Ontario, Canada         City Mississauga         Province, Country Ontario, Canada           Postal Code         Emergency Tel. No. (888) 463-8162 Ext. 0         Postal Code         Emergency Tel. No. (888) 463-8162 Ext. 0           L4W 1R9         (888) 463-8162 Ext. 0         L4W 1R9         Chemical Formula Not Applicable         Not Applicable         Not Applicable         Not Applicable         Not Applicable         Not Applicable         Not Applicable         Material Use         Not Applicable         Not Applicable         Wrapping of Metal Surfaces to Protect From Corrosion           Ingredients         %         UN, NA or CAS         LD50 of Material (Specific Species and Route)         LC50 of Material (Specific Species)         LC50 of Material (Specific Species)         LC50 of Material (Specific Species)           Hydrocarbon Wax         40         N/A         Not Available         Not Available         Not Available           Process Oils         30         N/A         Not Available         Not Available         Not Available           Tack         20         N/A         Not Available         Not Available         Not Available           Solid         Odour and Appearance Greenish Brown         Odour Threshold (PPM) Not Available         Specific         Coef Water/Oil Dist Ocompound 100°C           Not Available         Not Av	Street Address					Street Address			
Mississauga       Ontario, Canada       Mississauga       Ontario, Canada         Postal Code       Emergency Tel. No. (888) 463-8162 Ext. 0       Postal Code       Emergency Tel. No. (888) 463-8162 Ext. 0         L4W 1R9       (888) 463-8162 Ext. 0       L4W 1R9       (888) 463-8162 Ext. 0         Chemical Name Not Applicable       Not Applicable       Not Applicable       Not Applicable         Molecular Weight Not Applicable       Trade Name & Synonyms Not Applicable       Material Use Wrapping of Metal Surfaces to Protect From Corrosion         Ingredients       %       UN, NA or CAS       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         Vapour Desity ( air = 1)       SecTION 3 – PHYSICAL DATA       Softening Point (°C) Not Available         Solubility in water (20°C) Not Available       pH       Specific Gravity Not Available       Softening Point of Compound 100°C         Negligible       Solubility in water (20°C) Not Available       pH       Specific Gravity       Coef Water/Oil Dist Not Available         % Volatile (by volume) Negligi	12-1616 Matheson E	Boul				12-1616 Matheson Boulevard			
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         Chemical Formula Not Applicable         Not Applicable         Not Applicable           Molecular Weight Not Applicable         Trade Name & Synonyms Not Applicable         Material Use Wrapping of Metal Surfaces to Protect From Corrosion           Ingredients         %         UN, NA or CAS         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           Physical State Solid         Odour and Appearance Greenish Brown Membrane         Odour Threshold (PPM) Not Available         Solid Proint (*C) Not Available           % Volatile (by volume) Negligible         Solubility in water (20°C) Negligible         pH Not Available         Specific Specific         Coef Water/Oil Dist Compound 100°C Applicable           % Volatile (by volume) Negligible         Solubility in water (20°C) Negligible         pH Not Available         Specific Not Available         Coef Water/Oil Dist Not Available			Provinc	e, Cour	ntry	City		Province, Country	
L4W 1R9       (888) 463-8162 Ext. 0       L4W 1R9       (888) 463-8162 Ext. 0         Chemical Name Not Applicable       Chemical Family Not Applicable       Not Applicable       Not Applicable         Molecular Weight Not Applicable       Trade Name & Synonyms Not Applicable       Material Use Wrapping of Metal Surfaces to Protect From Corrosion         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         Physical State Solid       Odour and Appearance Greenish Brown Membrane       Odour Threshold (PPM) Not Available       Sofering Point (°C) Not Available         Vapour Pressure (mm Hg) Not Available       Solubility in water (20°C) Negligible       PH Not Available       Sofering Point of Compound 100°C Applicable         % Volatile (by volume) Negligible       Solubility in water (20°C) Negligible       PH Not Available       Specific Gravity Not Available       Coef Water/Oil Dist Not Available         % Valatile (by volume) Negligible       Solubility in water (20°C) Negligible       PH Not Available       Specific Gravity Not Available       Coef W								Ontario, Canada	
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           Ingredients         %         UN, NA or CAS         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           SectTION 3 – PHYSICAL DATA         Physical State         Odour and Appearance Greenish Brown Membrane         Odour Threshold (PPM) Not Available           Solid         Vapour Desity (air = 1) Net Available         Not Available         Not Available           Vapour Pressure (mm Hg) Not Available         Solubility in water (20°C) Negligible         pH Not Available         Solerit (°C) Not Available           Solubility in water (20°C) Negligible         pH Not Available         Solubility in vater (20°C) Not Available         pH Not Available           Flammability Yes         If Yes Under What Conditions         Fore Wat Conditions         Solubility in vater (20°C) Not Available           Means of E	Postal Code		Emerge	ency Tel	. No.	Postal Code		Emergency Tel. No.	
Not Applicable       Not Applicable       Not Applicable         Molecular Weight Not Applicable       Trade Name & Synonyms Not Applicable       Material Use Wrapping of Metal Surfaces to Protect From Corrosion         Ingredients       %       UN, NA or CAS       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         Physical State Solid       Odour and Appearance Greenish Brown Membrane       Odour Threshold (PPM) Not Available       Softening Point (°C) Not Available         Vapour Pressure (mm Hg) Not Available       Solubility in water (20°C) Negligible       PH Not Available       Softening Point (°C) Not Available       Softening Point (°C) Not Available         Kegligible       Solubility in water (20°C) Negligible       PH Not Available       Specific Special Procedure Not Available       Not Available         Means of Extinction Carbon Dioxide, Chemical Foam, Dry Powder       Special Procedure Not Available       Nat Plane the Compound and Fabric Carrier will Melt and Ignite	L4W 1R9		(888) 4	63-8162	2 Ext. 0			(888) 463-8162 Ext. 0	
Molecular Weight Not Applicable       Trade Name & Synonyms Not Applicable       Material Use Wrapping of Metal Surfaces to Protect From Corrosion         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         Physical State       Odour and Appearance Greenish Brown Membrane       Odour Threshold (PPM) Not Available       Softening Point (*C) Not Available         Vapour Pressure (mm Hg) Not Available       Vapour Desity ( air = 1) Not Available       Evaporation Rate Not Available       Boiling Point (*C) Not Applicable       Freezing Point of Compound 100°C Applicable         % Volatile (by volume) Negligible       Solubility in water (20°C) Negligible       PH Not Available       Specific Gravity 1.4 Approx       Coef Water/Oil Dist Not Available         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 Foom, Dry Powder       Special Foom, Dry Powder	Chemical Name			Chemi	cal Famil	у	Chemic	al Fo	ormula
Not Applicable       Not Applicable       Wrapping of Metal Surfaces to Protect From Corrosion         SECTION 2 – FORUMLATION         Ingredients       %       UN, NA or CAS       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 Available         Vapour Pressure (mm Hg) Not Available       Not Available       Point (°C) Not Available       Softening Point (°C) Not Available         % Volatile (by volume) Negligible       Solubility in water (20°C) Negligible       pH Not Available       Specific Gravity Not Available       Not Available         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         Not Available	Not Applicable					Not Applicable			
Protect From Corrosion         SECTION 2 – FORUMLATION         Ingredients       %       UN, NA or CAS       LD50 of Material (Specific Species and Route)       LC50 of Material (Specific Species)         Hydrocarbon Wax       40       N/A       Not Available       Not Available       Not Available         Process Oils       30       N/A       Not Available       Not Available       Not Available         Synthetic Fibre       10       N/A       Not Available       Not Available       Not Available         SECTION 3 – PHYSICAL DATA         Physical State       Odour and Appearance       Odour Threshold (PPM)         Solid       Greenish Brown       Membrane       Not Available       Not Applicable         Vapour Pressure (mm Hg)       Vapour Desity (air = 1)       Evaporation Rate       Boiling       Freezing Point (°C)       Softening Point of Compound 100°C         % Volatile (by volume)       Solubility in water (20°C)       pH       Specific       Specific       Coef Water/Oil Dist         Negligible       Solubility in water (20°C)       pH       Specific       Coef Water/Oil Dist       Not Available         % Volatile (by volume)       Solubility in water (20°C)       pH       Not Available       Not Available       Not Avail	Molecular Weight			Trade	Name & S	Synonyms	Materia	l Use	•
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         Odour and Appearance Greenish Brown Membrane       Odour Threshold (PPM) Not Available         Vapour Pressure (mm Hg) Not Available       Vapour Desity (air = 1) Not Available       Evaporation Rate Not Available       Boiling Point (°C) Not Available       Softening Point (°C) Softening Point (°C) Not Applicable         % 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       Not Available	Not Applicable			Not Ap	plicable		Wrappi	ng o	f Metal Surfaces to
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       Odour and Appearance Greenish Brown Membrane       Odour Threshold (PPM) Not Available         Vapour Pressure (mm Hg)       Vapour Desity ( air = 1) Not Available       Evaporation Rate Not Available       Boiling Point (°C) Not Applicable       Freezing Point (°C) Not Applicable       Softening Point of Compound 100°C         % Volatile (by volume)       Solubility in water (20°C)       pH Not Available       Specific Gravity       Coef Water/Oil Dist Not Available         Yes       With Sufficient Heat and Flame the Compound and Fabric Carrier will Melt and Ignite       If Yes Under What Conditions         Means of Extinction Carbon Dioxide, Chemical Foam, Dry Powder       Special Procedure Not Available       Not Available							Protect	Fror	n Corrosion
CAS Number       (Specific Species and Route)       (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       Odour and Appearance       Odour Threshold (PPM)         Solid       Greenish Brown Membrane       Not Applicable       Vapour Desity ( air = 1)       Evaporation Rate       Boiling Point (°C)       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       Solet Available       Coef Water/Oil Dist Gravity 1.4 Approx         Flammability Means of Extinction Carbon Dioxide, Chemical Foam, Dry Powder         Special Procedure Not Available       Not Powder			ę	SECTIO	) N 2 – F	ORUMLATION			
Number     Number       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     Odour Threshold (PPM)       Solid     Greenish Brown Membrane     Not Available     Not Available       Vapour Pressure (mm Hg)     Vapour Desity (air = 1)     Evaporation Rate     Boiling     Freezing Point (°C)       Not Available     Not Available     Not Available     Softening Point of Compound 100°C       % Volatile (by volume)     Solubility in water (20°C)     pH     Not Available     Softening Point of Compound 100°C       % Volatile (by volume)     Solubility in water (20°C)     pH     Not Available     Softening Point of Compound 100°C       % Volatile (by volume)     Solubility in water (20°C)     pH     Not Available     Not Available       % Volatile (by volume)     Negligible     Not Available     Not Available     Not Available       % Volatile (by volume)     Solubility in water (20°C)     pH     Not Available     N	Ingredients	%	UN,	NA or	L[	D50 of Material		LC	C50 of Material
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       Odour and Appearance       Odour Threshold (PPM)         Solid       Greenish Brown Membrane       Not Available       Not Applicable         Vapour Pressure (mm Hg)       Vapour Desity ( air = 1)       Evaporation Rate       Boiling       Freezing Point (°C)         Not Available       Not Available       Not Available       Softening Point of Compound 100°C       Softening Point of Compound 100°C         % Volatile (by volume)       Solubility in water (20°C)       pH       Specific       Coef Water/Oil Dist         Negligible       Solubility in water (20°C)       pH       Not Available       Specific       Coef Water/Oil Dist         Yes       SectION 4 – FIRE AND EXPLOSION DATA       If Yes Under What Conditions       Not Available       Not Available         Yes       If Yes Under What Conditions       With Sufficient Heat and Flame the Compound and Fabric Carrier will			-	-	(Specific	Species and Route)		(Specific Species)	
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         Talc       20       N/A       Not Available       Not Available         SECTION 3 – PHYSICAL DATA         Physical State       Odour and Appearance       Odour Threshold (PPM)         Solid       Greenish Brown Membrane       Not Applicable         Vapour Pressure (mm Hg)       Vapour Desity (air = 1)       Evaporation Rate       Boiling       Freezing Point (°C)         Not Available       Not Available       Not Available       Softening Point of Compound 100°C         % Volatile (by volume)       Solubility in water (20°C)       pH       Specific       Coef Water/Oil Dist         Negligible       Solubility in water (20°C)       pH       Not Available       Specific       Coef Water/Oil Dist         Yes       If Yes Under What Conditions       Specific       Gravity       Not Available       Not Available         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 Foa									
Synthetic Fibre       10       N/A       Not Available       Not Available         Talc       20       N/A       Not Available       Not Available         Talc       20       N/A       Not Available       Not Available         Section 3 – PHYSICAL DATA         Physical State       Odour and Appearance       Odour Threshold (PPM)         Solid       Greenish Brown Membrane       Not Available       Not Applicable         Vapour Pressure (mm Hg)       Vapour Desity (air = 1)       Evaporation Rate       Boiling       Freezing Point (°C)         Not Available       Not Available       Not Available       Boiling       Freezing Point (°C)         Not Available       Not Available       Not Available       Boiling Point (°C)       Softening Point of Compound 100°C         Not Available       Solubility in water (20°C)       pH       Specific       Coef Water/Oil Dist         Negligible       Solubility in water (20°C)       pH       Not Available       Gravity       Not Available         % Volatile (by volume)       Solubility in water (20°C)       pH       Not Available       Gravity       Not Available         % Volatile (by volume)       Solubility in water (20°C)       pH       Not Available       Solubility in water (20°C)       pH			) N/A N			Not Available			
Talc20N/ANot AvailableNot AvailableSECTION 3 – PHYSICAL DATAPhysical State SolidOdour and Appearance Greenish Brown MembraneOdour Threshold (PPM) Not ApplicableVapour Pressure (mm Hg) Not AvailableVapour Desity (air = 1) Not AvailableEvaporation Rate Not AvailableBoiling Point (°C) Not AvailableFreezing Point (°C) Softening Point of Compound 100°C% Volatile (by volume) NegligibleSolubility in water (20°C) NegligiblepH Not AvailableSpecific Gravity 1.4 ApproxCoef Water/Oil Dist Not AvailableFlammability YesIf Yes Under What ConditionsYesWith Sufficient Heat and Flame the Compound and Fabric Carrier will Melt and IgniteMeans of Extinction Carbon Dioxide, Chemical Foam, Dry PowderFlame the Compound and Fabric Carrier will Not AvailableSpecial Procedure Not AvailableFoam, Dry Powder	Process Oils	30	N/A N		lot 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 Desity (air = 1) Not Available       Evaporation Rate Not Available       Boiling Point (°C) Not Available       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 Gravity 1.4 Approx         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       Flame the Compound and Fabric Carrier will Melt and Ignite       Flame the Compound and Fabric Carrier will Melt and Ignite	Synthetic Fibre	10	N/A		١	Not Available		Not Available	
Physical State Solid       Odour and Appearance Greenish Brown Membrane       Odour Threshold (PPM) Not Applicable         Vapour Pressure (mm Hg) Not Available       Vapour Desity (air = 1) Not Available       Evaporation Rate Not Available       Boiling Point (°C) Not Available       Freezing Point (°C) Softening Point of Compound 100°C Applicable         % Volatile (by volume) Negligible       Solubility in water (20°C) Negligible       pH Not Available       Specific Gravity 1.4 Approx       Coef Water/Oil Dist Gravity Not Available         Flammability Yes       If Yes Under What Conditions With Sufficient Heat and Flame the Compound and Fabric Carrier will Melt and Ignite       Materia and Flame the Compound and Fabric Carrier will         Means of Extinction Carbon Dioxide, Chemical Foam, Dry Powder       Flame the Compound and Fabric Carrier will Melt and Ignite       Flame the Compound and Fabric Carrier will	Talc	20	N	I/A	١	Not Available		Not Available	
Solid       Greenish Brown Membrane       Not Applicable         Vapour Pressure (mm Hg) Not Available       Vapour Desity (air = 1) Not Available       Evaporation Rate Not Available       Boiling Point (°C)       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         Flammability Yes       If Yes Under What Conditions With Sufficient Heat and Flame the Compound and Fabric Carrier will Melt and Ignite       Met and Ignite         Means of Extinction Carbon Dioxide, Chemical Foam, Dry Powder       Dry Powder       Special Procedure Not Available       Value			S	ECTIO	N 3 – P	HYSICAL DAT	4		
Vapour Pressure (mm Hg) Not Available       Vapour Desity (air = 1) Not Available       Evaporation Rate Not Available       Boiling Point (°C) Not       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         Flammability Yes       If Yes Under What Conditions With Sufficient Heat and Flame the Compound and Fabric Carrier will Melt and Ignite       If Yes Under What Conditions Melt and Ignite       Flame the Compound and Fabric Carrier will         Means of Extinction Carbon Dioxide, Chemical Foam, Dry Powder Not Available       Foundary Powder       Foundary Powder	Physical State			Odour	and App	earance	Odour <sup>-</sup>	Three	shold (PPM)
Not AvailableNot AvailableNot AvailablePoint (°C) Not ApplicableSoftening Point of Compound 100°C Applicable% Volatile (by volume) NegligibleSolubility in water (20°C) NegligiblepH Not AvailableSpecific Gravity 1.4 ApproxCoef Water/Oil Dist Not AvailableFlammability YesIf Yes Under What Conditions With Sufficient Heat and Flame the Compound and Fabric Carrier will Melt and IgniteIf Yes Under What Conditions With Sufficient Heat and Flame the Compound and Fabric Carrier will Melt and IgniteMeans of Extinction Carbon Dioxide, Chemical Foam, Dry PowderFlame the Compound and Fabric Carrier will Melt and IgniteSpecial Procedure Not AvailableFoam, Dry Powder				Green	ish Brow		Not Ap	plica	
Not ApplicableNot ApplicableCompound 100°C Applicable% Volatile (by volume) NegligibleSolubility in water (20°C) NegligiblepH Not AvailableSpecific Gravity 1.4 ApproxCoef Water/Oil Dist Not AvailableFlammability YesIf Yes Under What Conditions With Sufficient Heat and Flame the Compound and Fabric Carrier will Melt and IgniteIf Yes Under What Conditions With Sufficient Heat and Flame the Compound and Fabric Carrier will Melt and IgniteMeans of Extinction Carbon Dioxide, Chemical Foam, Dry PowderIf Yes Under What PowderIf Yes Under What PowderSpecial Procedure Not AvailableFlame the Compound and Fabric Carrier willIf Yes Under What Powder		lg)			( air = 1)				
% Volatile (by volume) Negligible       Solubility in water (20°C) Negligible       pH Not Available       Specific Gravity 1.4 Approx       Coef Water/Oil Dist Not Available         Flammability Yes       If Yes Under What Conditions With Sufficient Heat and Flame the Compound and Fabric Carrier will Melt and Ignite       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       If Yes Under What Conditions	Not Available		Not Av	Not Available		Not Available		°C)	
% Volatile (by volume) NegligibleSolubility in water (20°C) NegligiblepH Not AvailableSpecific Gravity 1.4 ApproxCoef Water/Oil Dist Not AvailableSECTION 4 – FIRE AND EXPLOSION DATAFlammability YesYesIf Yes Under What Conditions With Sufficient Heat and Flame the Compound and Fabric Carrier will Melt and IgniteMeans of Extinction Carbon Dioxide, Chemical Foam, Dry PowderVerticeSpecial Procedure Not AvailableFlame the Compound and Fabric Carrier will									Compound 100°C
Negligible     Negligible     Not Available     Gravity 1.4 Approx     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	% Valatila (hy valuma)		Solubil	ity in wat	or (20°C)	<b>n</b> U			Coof Water/Oil Diet
1.4 Approx         SECTION 4 – FIRE AND EXPLOSION DATA         Flammability         Yes       If Yes Under What Conditions         With Sufficient Heat and Flame the Compound and Fabric Carrier will         Means of Extinction         Carbon Dioxide, Chemical Foam, Dry Powder         Special Procedure         Not Available					er (20 C)	•			
Section 4 – FIRE AND EXPLOSION DATA         Flammability       If Yes Under What Conditions         Yes       With Sufficient Heat and Flame the Compound and Fabric Carrier will Melt and Ignite         Means of Extinction       Kesting Foam, Dry Powder         Carbon Dioxide, Chemical Foam, Dry Powder       Special Procedure         Not Available       Vita Sufficient Heat and Flame the Compound and Fabric Carrier will Melt and Ignite	Negligible		ricging			NUL AVAIIADIE			NUL AVAIIADIE
Flammability       If Yes Under What Conditions         Yes       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									
Yes 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									
Melt and Ignite Means of Extinction Carbon Dioxide, Chemical Foam, Dry Powder Special Procedure Not Available									
Means of Extinction Carbon Dioxide, Chemical Foam, Dry Powder Special Procedure Not Available									
Special Procedure Not Available	Means of Extinction	•		J					
Special Procedure Not Available	Carbon Dioxide, Che	emic	al Foan	n, Dry F	owder				
				,					
Section 4 – Continued on Next Page	Not Available								
	Section 4 – Continue	d or	Next Pa	age					

Flashpoint (°C) and Me	thod	Linner F	valosion Limit (% by	Lower Explosion Limit (% by		
Above 250°C (C.O.C.)		Upper Explosion Limit (% by volume)		volume)		
ADUVE 200 C (C.O.C.)				Not Applicable		
Auto Ignition Temperature (°C)		Not Applicable TDG Flammability		Hazardous Combustion		
Not Available	(u) ( U)	Classific		Products		
		Not Ava		Black Smoke, CO		
	SE		5 – REACTIVITY D			
Chemical Stability			What Conditions?			
Yes			What Conditions:			
Incompatibility With Of	ther Subst	ances	If Yes, Which Ones	?		
Yes			Coating Compoun	d is Softened by Common		
			Organic Solvents	e.g. Kerosene		
Reactivity, and Under	What Cone	ditions?	•	•		
Not Readily Reactive						
Hazardous Decomposi	ition Produ	ucts				
Combustion Products:			Carbon Monoxide			
			(ICOLOGICAL PRO	PERTIES		
Route of Entry						
Skin Contact, Skin Ab						
Effects of Acute Expos						
Prolonged and Repea			ritate the Skin			
Effects of Chronic Exp	osure to N	laterial				
Same as Above						
LD50 of Material	LC50 of I		Exposure Limit of	Irritancy of Material		
Specify Species and	Specify S	-	Material	Prolonged and Repeated		
Route	Not Appl	icable	Not Applicable	Contact May Irritate the Skin		
Not Applicable	0		Descent describes	Our constantia Matanial		
Sensitivity Capability of Material	Carcinog of Materi		Reproductive Effects of Material	Synergistic Material		
Not Available	Not Avai		Not Available	Not Available		
NUL AVAIIADIE			REVENTATIVE ME			
Personal Protective Eq				ASURES		
		n Soilor	d Clothing Should be (	Changed and Cleaned		
Gloves (Specify)	Protection			Changed and Cleaned Eyes (Specify)		
Grease Resistant		Respiratory (Specify) Not Applicable		Safety Glasses		
Footwear (Specify)		Clothing (Specify)		Other (Specify)		
Not Applicable		Overalls		Not Applicable		
	Specify e					
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						
	SEC	TION 8	- FIRST AID MEAS	URES		
Section 8 – Continued	on Next P	age				
		-				

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. (888) 463-8162 September 20, 2007						
Quality Control Dept. – Miss, ON Canada						