



12 Settler street
 Pacaltsdorp Industrial
 George

Material Safety Data Sheet - Virotal

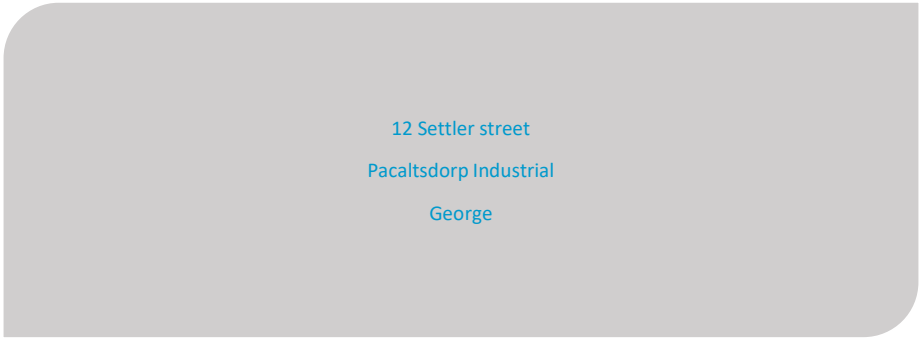
1 Product and Company Identification			
Date	01-Jan-23		
Company	Abristo		
Product	Metal primer (Base coat).		
Product Code	SPARTAN, VIROTAL		
Product Description	Water-borne primer and rust inhibitor for ferrous substrates.		
Generic Type	Pure Acrylic		
Formulation Code	N/A		
2 Composition			
This product is a chemical formulation.			
3 Hazardous Identification			
Warning labels on containers.			
Move spilled material with reasonable care. The paint is very adhesive and dries within 15 minutes, so if it gets onto hands and clothing there is a very			
Transfer spilled material to original containers for normal refuse disposal. There is no hazard, because the product is non toxic.			
4 First Aid Measures			
These products contain no petrochemicals and so, besides a mild irritation due to slight acidity, and unpleasant taste they are not dangerous at all.			
Swallowing	Wash out mouth with water.		
Inhalation	Slightly different smell to normal room conditions. No effect.		
Eye contamination	Flush with clean water. Because of mild alkalinity, eyes may sting a bit. There is no danger.		
Skin contact	Rinse off with water, or wipe paint off with a cloth as soon as possible. If the paint is not removed within 15 minutes it will be dry and very difficult to remove. There is however no health risk.		
5 Fire Fighting Measures			
The product is non-combustible and could act to retard the spread of fire			
Fire originating from the substrate	Water mist Carbon dioxide Foam and dry agents		
Unsuitable extinguishing agents	None known		
Harmful fumes	None known		
6 Accidental Release Measures			
The cured (solidified) product is stable to environmental conditions and poses no environmental hazard.			
The emulsified (uncured) product should be contained and not be released into water streams. The product contains Zinc Phosphate that may impact on the environment and fresh or marine animal life.			
7 Handling and Storage			
Keep away from direct sunlight and severe cold or excessive heat			
Shelf life	2 Years+ when stored between 5°C (41 °F) and 25°C (77 °F) in sealed container.		
8 Exposure controls / Personal protection-Respiratory Exposure			
Respiratory exposure	The product has no noxious fumes and normal/natural ventilation is adequate even in confined spaces.		
Eye protection	Use chemical splash goggles.		
Hand Protection	Use Neoprene gloves to protect against splashing. The paint dries quickly and is highly adhesive.		
9 Physical and Chemical Properties			
A medium viscosity ferrous coating with high performance properties.			
The product is water borne (in original packaging) and effective for application on various ferrous materials.			
A good level of elasticity, even when fully cured.			
Contains no volatile solvents.			
Zero flame spread index.			
Specific Gravity	10.014 lb/gal (US)	±1.200 kg/Litre	
Recommended Dry Film Thickness per coat (DFT)	1.57 - 2.36 thou	(40 - 60 microns)	
Gloss Level	Eggshell		
Flexibility	Good		
Flashpoint	Non Flammable		
Chemical Resistance Guide	EXPOSURE	SPILLAGE	FUMES
	Diluted acids	Fair	Good
	Diluted alkalis	Fair	Good
	Solvent	N/R	Fair
	Salt	Good	Good
	Water	Good	Good



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10	Stability and Reactivity			
	Not recommended for immersion service. The cured product exhibits a high resistance to most environmental conditions.			
11	Toxicological Information			
	The product has minimal noxious fume or odour emission, both during and after application. The uncured (emulsified) product contains Zinc Phosphate and is not suitable for human or animal consumption. Algaecides added to the formulation are depleted within 7 - 9 days (level of 0.0015% by volume)			
12	Ecological Information			
	Product has a very low volatile organic compound (VOC) content. The uncured product should not be disposed via storm-water drainage.			
	Measured VOC levels on similar product than Abristo - Spartan	< 22 g/L	< 0.183599 lb/gal	
	European Environmental Protection Agency- VOC content standard 2010			
	Minimal VOC content: 0 - 0.02 lb/gal (0 - 2.9g/L) Low VOC: 0.03 - 0.66 lb/gal (3 - 78.9g/L) Medium VOC: 0.67 - 2.08 lb/gal (80 - 249 g/L)			
	CFC levels	None known		
13	Disposal Considerations			
	Prior to curing, the product should not be washed down storm-water drains. Cured products exhibits high resistance to most environments. Should be disposed of according to normal refuse regulations.			
14	Transport Information			
	Approximate shipping weight	ABRISTO Product (average) - 5 Litre = 6.000 Kg 1 Gallon = 10.013 lb		
	UNESCO shipping code	UN/MCO No for this product is 3082 Class 9		
15	Regulatory Information			
	EEC Hazard Classification	UN/MCO No for this product is 3082 Class 9		
	Risk Phases	Transport	Bulk transport shall be in accordance with Federal regulations	
		Application	Material shall be applied in accordance with the requirements as detailed in this document.	
		Disposal	Residual or unused material can be disposed of and treated as normal household refuse.	
	Safety Phases	Spillage	Excess material should be contained and scooped up if possible. Due to the rapid drying time, the affected area must be washed down with copious amounts of water.	
		Personal contact	Swallowing	Wash out mouth with water and consult a medical practitioner.
			Inhalation	No noxious vapours
			Eye contamination	Flush with clean water
		Skin contact	Wash with water, or wipe with cloth	
	Federal Legislation			
16	Other Information			
	Application Instructions These instructions should be followed to obtain maximum service from the product. Avoid over-brushing since the product will polymerise (cure) fairly rapidly. Don't use Brushes/Rollers contaminated with any other paint products or volatile/petrochemical solvents as it may contaminate and cause failure.			
	Surface Preparation Remove any loose and flaky paint and oil or grease from the surface before application.			
	Mixing Stir contents thoroughly prior to application. Do not dilute with any solvent (including water) prior to application.			
	Application Temperatures			
	Condition	Product	Surface	
	Normal	25°C (77°F)	25°C (77°F)	
	Minimum	2°C (35.6°F)	5°C (41°F)	
	Maximum			
	Condition	Ambient	Humidity	
	Normal	18 - 32°C	10 - 85 %	
	Minimum	4°C	0%	
	Maximum	50°C	85%	
	Do not apply when the surface temperature is less than 2° C above the dew point.			
	Spray Application			



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<p>Use sufficient air volume for correct operation of equipment. Use a 50% overlap with each pass of the gun. Apply each coat in two phases. On irregular surfaces, coat the edges first, making an extra pass later. Use a 10mm minimum internal diameter material hose. Hold gun approximately 450 - 500 mm from the surface and at a right angle to the surface. Use a 1.8 - 2 mm nozzle with 5 bar nozzle pressure.</p>	
Drying and Curing Time	
Touch dry time	± 20 min @ 25°C (77°F) & 50% Relative Humidity
Chemical curing time	5 - 7 days
NB Low temperatures and high humidity will retard drying times	
Recommended Film Thickness for required single coat	
Minimum	1.57 thou (40 microns)
Wet Film Thickness (WFT)	2.36 - 3.15 thou (60 - 80 microns)
Maximum Dry Film Thickness (DFT)	2.95 thou (75 microns)
Maximum Wet Film Thickness	3.94 thou (100 microns)
Technical enquiries	
Address all enquiries to info@abristo.com or contact our office at sales@abristo.com	
<p>To the best of our knowledge, the technical data contained herein is true and accurate at the date of issuance and are subject to change without prior notice. User must contact Abristo to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied.</p>	
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