

Dustron XT Coal

MATERIAL SPECIFICATION & CHARACTERISTICS

S.No.	Test Properties	Result
01.	Physical Form	Pale Brown Colour Liquid
02.	Ionic Character	Non-ionic
03.	Molecular Weight	677 approx (average)
04.	Major Component Ratio	Carbon : 34.92 Parts
		Oxygen : 09.52 Parts
		Hydrogen :55.56 Parts
05.	Active Matter/ Solid Content	88± 2%
06.*	Solubility	Easily Soluble with water
07.	Stability	Stable in hard & brackish water
08. *	pH	7 (Neutral)
		7.0 - Pure Product
		6.82 - 1:1000 dilution
		6.70 - 1:2500 dilution
		6.61 - 1:5000 dilution
09.	Corrosion Test in	Non Corrosive
	Comparison with tap water	Improve the life of metal (tanker & accessories
		Of spraying system
		Metal Result
		Mild Steel - 20%
		Bronze - 62%
		Copper - 17%
		Aluminium - 74%
10.*	Specific Gravity	1.0539
11.*	Phenol	Nil / Not present
12.*	Chloride	Nil / not present
13.*	Waste Oil	Nil / Not present
14.	Bio - degradable	Bio - degraded

S.No.	Test Properties	Result		
15.	Hazardous & Toxic Metal	ANYALYTE	Regulatory Levels mg/L MOEF/CECB / CIL Limit	Results with Detection Limit ppm (mg/L)
		Metal	RCRA Limit	Results
		Arsenic (As)	5	Nil
		Barium(Ba)	100	Nil
		Cadmium (Cd)	1	Nil
		Chromium(Cr)	5	Not detected
		Lead (Pb)	5	0.016
		Mercury (Hg)	0.20	Not detected
		Selenium (Se)	1	0.170
		Silver (Ag)	5	Not detected
16.	CO Toxicity	Carbon Monoxide (CO) – not observed approx 130° Centigrade		
17.*	Effect on Skin	No adverse effect		
18.	Effect on Eye	No effect is observed because at normal temperature & pressure no gases was evaporated		
19.*	Effect on Inhalation	No irritation by inhalation at room temperature		
20.*	Effect on Plants	No adverse effect on plant		
21.	Effect on Earth Worm	No adverse effect on Earth worm		
22.	Effect on Aquatic Life	No adverse effect on Pond Fish		
23.	Toxicity	Non Toxic, Easily Bio – degradable & Environment Friendly.		
24.*	Flash Point	More than 158° Centigrade		
25.*	Flammability	Non flammable at normal temperature		
26.	Flow Characteristic	Free Flowing Liquid above 15 deg Centigrade		
27.*	Conductivity	Mixing with water shows Ionizing		
28.*	Surface Tension	28± 3 Dynes / Centimetre 26.45 on 1:1000 28.42 on 1:2500 32.09 on 1: 5000		
29.*	Aliphatic Test	Long chain Hydrocarbon		
36.	Stability	Eighteen months from the date of manufacturing under storage conditions.		
37.	Precaution for Use	May use Hands Gloves		
38.	Transportation & Handling of Spills	Do not drop the plastic container from any height & save the container to strike with any harder materials such as stone, iron / metal rods, metal nails.		
		Do not Drink the Mixture of Water & DUSTRON		
		May Use Goggles		
39.	Container Disposal	Reused after thoroughly washed with water		