



Tech

Technical Data

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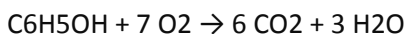
CRIMSON Organo Destruct

GENERAL DESCRIPTION:

Crimson Organo Destruct is a catalyzed organic oxidizing agent. The product has an affinity to ring structure organics, especially phenols, reducing them to less innocuous species. Crimson Organo Destruct typically works with minimal contact time. Aggressive mixing with wastewater is recommended.

This reaction uses catalytic amounts of oxygen ions to form highly reactive HO. And OOH. radicals. These hydroxyl radicals generated through the Crimson Organo Destruct reaction have been shown to nonspecifically oxidize a variety of complex organic compounds.

For example, the overall reaction for the complete oxidation of phenol to inorganic products is as follows:



PHYSICAL PROPERTIES:

- ◆ Form: Liquid
- ◆ Color: Purple
- ◆ Odor: None
- ◆ Specific Gravity: 1.02-1.03 kg/l at 68°F (20°C)
- ◆ Density: 8.5-8.6lb/US gal
- ◆ Solubility in Water: Complete
- ◆ pH (Neat): 5.1
- ◆ Freeze Point: 32°F (0°C)
- ◆ Viscosity: 3.0 cp at 60°F (15°C)
- ◆ Flash Point (PMCC): N/A

MATERIALS AND COMPATIBILITY

<u>Compatible</u>	<u>Not Compatible</u>
Stainless steel	Aluminum
Polypropylene	Bronze
Teflon	Copper
Vinyl	Mild steel
Hypalon	Neoprene
Viton	Nickel
Buna-N	

DOSAGE AND FEEDING:

The dosage of this blend is directly related to the untreated organic concentration. Crimson Organo Destruct typically works on contact. We can provide on-site assistance to determine product dosage and a cost based on influent organic concentrations.

STORAGE:

Store Crimson Organo Destruct at temperatures below 120°F (49°C) and above 45°F (4°C) to avoid loss of stability and precipitate formation. Once formed, the precipitate is difficult to resolubilize and loss of product activity will occur. Keep Crimson Organo Destruct from freezing. Freeze-thaw recovery is incomplete (small amount of precipitation). Freeze point is 32°F (0°C). The in-plant storage limit for this blend is six months under proper storage conditions. Bulk tanks should be of polyethylene or stainless steel construction.

[For more detail about product handling & safety info, please refer to the Material Safety Data Sheet](#)