

Product Data Sheet

Product Name: Mercaptolyte 200

Description: Chemical media designed to neutralize mercaptan odors through encapsulation/oxidation. This product alone will help encapsulate mercaptan residues, providing moderate odor control. However, when mixed with sodium hypochlorite solution and applied, it provides immediate oxidation of the mercaptan.

Product Uses & Applications		Application Instructions	
Tank Cleaning		Dilution Rate (Mercaptolyte 200)	5:1 with water
LEL Control		Application Rate	10:1 (See Supplemental Section Below)
Line Cleaning		Special Instructions	See Supplemental Application Section Below
Spill Control		<u>When Mixing with Sodium Hypochlorite:</u>	
Rail Car Cleaning		Once product has been diluted with water, a 1:1 mix with sodium hypochlorite solution will provide robust solution for fast oxidation of the mercaptan residues. Apply immediately after mixing. <u>Do not use hydrogen peroxide with this product under any circumstance!</u>	
Hazardous Information		Packaging Information	
Specific Hazard	Eye and skin irritant	Available Quantities	5,30, 55, and bulk quantities
Flash Point (°F)	Above 220	Packaging Material	Poly
Biodegradability	Excellent	<u>Other Information:</u>	
pH	10.5 to 11.5	Do not let product freeze.	
Unusual Hazards	See Precautions Below		
Other Information	Do not use Hydrogen Peroxide!		

Supplemental Application Data

Application Instructions (when mixed with the oxidizer):

In order to reduce the effect of an exothermic reaction, follow these simple tips:

- It takes 10 parts of the Mercaptolyte/Water/Bleach mixture of safely neutralize 1 gallon of pure mercaptan. Thus, for a tank that has 20 gallons of mercaptan heel, you will need 200 gallons of the mixture to neutralize that product.
- Make sure you determine amount of heel to be treated so that you have the proper amount of chemical made-up.
- If after the application you notice a significant heat reaction, add extra water to help cool the liquid.

Precautions when using Sodium Hypochlorite:

When using the oxidizer (sodium hypochlorite), it is important to know the following facts:

- #1: The reaction with Mercaptan will generate an acidic off-gas. This being said, the vessel being cleaned must be vented to the air or a chemical scrubber. Failure to do so could result in an explosion or rupture of the tank.
- #2: The acid off-gas may need to be treated by a chemical scrubber. The acid is sulfuric in nature.
- #3: An exothermic reaction does take place during the process. Make sure to have extra water and ventilation available in case temperature gets to an unsafe level.

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