



SPECIALTY ENVIRONMENTAL CHEMICALS AND EQUIPMENT

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

- Tank Cleaning
- LEL Control
- Line Cleaning
- Spill Control
- Rail Car Cleaning

PRODUCT DILUTIONS (2 Examples)

Chemical Requirements when Neutralizing Pure Mercaptan Heel

1. To determine Mercaptolyte 200 needed (gallons), multiply heel x 1.5
2. To determine water needed (gallons), multiply Mercaptolyte 200 x 5
3. To determine sodium hypochlorite (12.5%) needed, add #1 and #2 together. Note: Follow instructions below on how to apply this mixture.

Chemical Requirements when Cleaning Specific Tank Volumes (No Heel)

To flood a given tank volume, follow these simple steps:

1. To determine Mercaptolyte 200 needed, multiply tank volume (gal) x .05
2. To determine water needed, multiply tank volume x .65
3. To determine Sodium Hypochlorite (12.5%) needed, multiply tank volume x .30 *Mix Mercaptolyte 200 and water first, then mix in sodium hypochlorite.

HAZARDOUS INFORMATION

Specific Hazard	Eye and skin irritant
Flash Point (°F)	Above 220°
Biodegradability	Excellent
pH	10.5-11.5
Unusual Hazards	See precautions below
Other Information	Do not use Hydrogen Peroxide

PACKAGING INFORMATION

Available Quantities	5, 30, 55 and bulk quantities
Packaging Material	Poly
Other Information	Do not let product freeze.

APPLICATION INSTRUCTIONS/PRECAUTIONS:

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Application Instructions (How to apply mixture to heels):

1. Immediately mix the three chemical amounts which were determined under Product Dilutions. Make sure to mix Mercaptolyte 200 and water first, then sodium hypochlorite.
2. Make sure vessel containing mercaptan heel is vented to a scrubber or other emission control device!
3. Slowly introduce mixture into vessel containing heel.
4. Watch for temperature spikes. Add more water as needed.
5. Once added, agitate mixture as much as possible.
6. After at least one hour the mixture should have significant less odor.
7. Allowing to set for up to 12 hours may be necessary.
8. Adding more chemical media may be necessary in some cases to complete neutralization.

Precautions when using Sodium Hypochlorite (12.5%):

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.



www.vapor-tech.net

PO Box 107, Hitchcock, TX 77563
phone **409.316.0173** | fax **281.754.4876**

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