

EPOLEON..... Odor Neutralizer

= EPOLEON N-11-87 =

Epoleon N-11-87 concentrated water-based product is biodegradable and water soluble compounds. The formulas are designed to chemically react, varying degrees, with particular types of gases. In today's climate of ecological awareness, we are proud to offer products that control odors in an environmentally responsible and enhancing way.

Through methods of chemical reaction, counteraction and absorption, **Epoleon N-11-87** formulas neutralize odorous gases upon contact. Here are four examples of how **Epoleon N-11-87** converts obnoxious, often problematic gases into stable, non-harmful and odor-free compounds.

1. **Ammonia** { NH_3 }
 $-\text{CH}_2\text{COOH} + \text{NH}_3 \rightarrow -\text{CH}_2\text{COONH}_4$
2. **Trimethylamine** { $(\text{CH}_3)_3\text{N}$ }
 $-\text{CH}_2\text{COOH} + (\text{CH}_3)_3\text{N} \rightarrow -\text{CH}_2\text{COONH}(\text{CH}_3)_3$
3. **Hydrogen Sulfide** { H_2S }
 $-\text{CH}_2\text{COONa} + \text{H}_2\text{S} \rightarrow \text{NaHS} + -\text{CH}_2\text{COOH}$
4. **Methyl Mercaptan** { CH_3SH }
 $-\text{CH}_2\text{COONa} + \text{CH}_3\text{SH} \rightarrow \text{CH}_3\text{SNa} + -\text{CH}_2\text{COOH}$

A diluted **Epoleon N-11-87** can be sprayed directly into digester tanks, over the surface of sludge as it's transported to drying beds, or during dehydration.

A diluted **Epoleon N-11-87** can be incorporated into perimeter fogging system or manually sprayed over the surface of the landfill. **Epoleon N-11-87** should be applied regularly in order to effectively reduce odors and prevent ensuing complaints from neighbors.

An exact agenda is ultimately left for the end-users to determine, based on the strength of odors, how frequently the landfill is added to and weather conditions such as wind direction and temperature.

Epoleon N-11-87 physical properties :

PH.....	5.1 – 6.3 (at 25°C)
SP. Gravity.....	1.02 ± 0.05 (at 25°C)
Range of Molecular Weight.....	50 – 800
Vap. Pressure.....	Same as Water

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