

TECHNICAL BULLETIN

INHIBIDOR DE OLORES

Product Description:

Proprietary Silicone Polymer

Product Benefits:

For use on fabric, hard surfaces, locker rooms, public areas and automobile interiors

Effective additive to sunscreens and deodorants

Water soluble and stable

Safe and non toxic

Non staining

Results in minutes

Description

H-Sil OE is a silicone based odor eliminator designed for industrial, consumer and specific personal care applications. H-Sil OE acts as an odor eliminator by neutralizing the nitrogen groups that are present in most odors. H-Sil OE is a concentrate that can be diluted 5-10% by weight into water for most applications and 1-2% for use in personal care products. No other additives are needed. Fragrances can be added to the dilution by using common surfactants and fragrance bases. H-Sil OE has been tested against the following odors with success at a 5%-10% use level: smoke, butyric acid (body odor), amine odors, urine and ammonia. 5% dilutions of OE were compared against leading industrial and consumer products via test panel with success and consistently out lasted the competitive products.

Typical Properties

Odor	Mild to acetic as is
Water Solubility	Soluble
Appearance	Clear liquid
Solids	26 - 28%

Packaging

55 gallon non-returnable drum, 440 lbs net
5 gallon plastic pail, 40 lbs net

Storage and Handling

Store at room temperatures; tightly reseal drums after use. Do not store in direct sunlight or in freezing temperatures.

Should be used within 12 months of delivery.

Panel Test Results for Odor Control

Product Performance Attributes:

H-Sil OE outperforms the top odor neutralizers currently on the market

H-Sil OE works without the use of potentially offensive masking agents.

H-Sil OE is substantive to the surface and thus provides long lasting results even against repeated insults.

H-Sil OE is effective against a broad range of odors including cigarette smoke.

Panel Test Methodology and Results:

An odor control test compared H-Sil OE against two leading brand consumer products and common baking soda. The odor neutralizers were evaluated against particularly offensive odors that were applied to 50/50 cotton/poly blend fabric swatches by sealing the swatches in a jar containing an open vial of odorant. The swatches were allowed to absorb the odorants for at least 1 hour.

After the odorants had fully saturated the fabric the swatches were sprayed with each liquid odor neutralizer until moist, allowed to air dry for 5 minutes, and then sealed in a jar for an hour. Baking soda was placed with each fabric in a sealed jar for 1 hour.

The fabrics were rated for odor elimination using a 0-10 scale, with 0 = Worst Odor Control and 10 = Best Odor Control. Odorants are listed below along with the averaged scores of the odor neutralizers against each odorant.

