



Busperse[®] 39

- **Highly Effective Water-Based Dispersant**
- **Non-Foaming**

Busperse 39 is an effective general purpose, anionic dispersant for use in water-based systems, such as emulsion and water-reducible coatings, pigment slurries, and adhesives. Busperse 39 is composed of substances that have been allowed for use under 21 CFR § 173.310 and 176.170 of the U.S. Food and Drug Administration regulations.

TYPICAL CHARACTERISTICS

Appearance.....Translucent, pale yellow liquid
Density @ 25°C (77°F) 1.28 – 1.30 g/ml
Approximate volume per kilogram..... 775 ml
pH (1% solution)..... 8.5 – 10.0

APPLICATION

Busperse 39 may be used in coatings at levels between 0.3% and 1.0%, based on total weight of the formulation. Excess amounts of dispersant should be avoided due to the potential for increasing water sensitivity of the film. For use in pigment slurries, Busperse 39 should be evaluated in the range of 0.3% to 1.5%, based on total weight of the dry pigment. In adhesives, Busperse 39 may be used at levels between 0.2% and 0.5%, based on total weight of the formulation. Testing is recommended for all systems to determine the level required to provide adequate dispersion.

BENEFITS OF BUSPERSE 39 TREATMENT

Dispersing Efficiency

Busperse 39 is a water-soluble anionic polyelectrolyte with excellent pigment-dispersing properties. The combination in Busperse 39 of a highly effective active ingredient and a high solids content results in a dispersant which can be used at very low concentrations.

Viscosity Stability

Paint formulations using Busperse 39 consistently exhibit exceptional viscosity stability in heat-aging studies, even when using reactive pigments such as Busan 11-M1

Low Foaming Characteristics

Busperse 39 displays low foaming tendencies. In addition, because Busperse 39 is used at lower levels, and may allow the reduction or complete elimination of the use of additional surfactants, coatings made with Busperse 39 exhibit minimal foaming tendencies during production and application.

Gloss

Latex enamels can achieve maximum gloss using Busperse 39 as the dispersant. It demonstrates excellent compatibility with glycols and it is therefore ideally suited for use in glycol-based grinds used in the formulation of gloss paints.

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including **NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE**. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. The exclusive remedy against seller shall be a claim for damages not to exceed the purchase price of the product, without regard to whether such a claim is based upon breach of warranty or tort. Any controversy or claim arising out of or relating to this contract, or breach thereof, shall be settled by arbitration in accordance with the commercial arbitration rules of the American Arbitration Association, and judgement upon the award rendered by the Arbitrator(s) may be entered in any court having jurisdiction thereof.

Colour Acceptance

Busperse 39 demonstrates good colour acceptance with glycol and water-dispersed colourants, as well as dry ground pigments. In laboratory tests, evaluating pigment flocculation and floating, Busperse 39 was found to equal or superior to leading competitive dispersants.

Corrosion Resistance

Busperse 39 effectively disperses reactive pigments, yet it is not corrosive to ferrous metals. In addition, Busperse 39 can be used at low concentrations. Therefore, Busperse 39 is highly suitable for use in corrosion-resistant latex paints and other exterior paints where minima water sensitivity is required.

PACKAGING AND HANDLING

Busperse 39 is a liquid packed in nonreturnable drums, returnable semi-bulk containers, and in bulk.

When formulating with this product, the finished formula should be tested for stability and compatibility with the intended shipping container.

Improper handling of this product can be injurious to workers. **Observe all safety precautions shown on the label and in the Material Safety Data Sheet.**

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