



## Technical Data Sheet

Curoxyl® BP 42 USP is an aqueous based benzoyl peroxide dispersion in the form of a gel. Curoxyl® BP 42 USP can be the starting point for topically applied anti-acne creams, face and body washes, cleansers and medicated pet shampoo formulations. The Food and Drug Administration (FDA) has affirmed that benzoyl peroxide, the active ingredient in Curoxyl® BP 42 USP, is generally recognized as safe (GRAS) as a direct human food ingredient and as a topically applied active pharmaceutical compound. AnRIPT Study shows that 10% Curoxyl® is a **NON-PRIMARY IRRITANT** and a **NON-PRIMARY SENSITIZER**. Virtually odor free, Curoxyl® BP 42 USP, improves material handling safety and decreases the risk of worker exposure to fumes which are frequently associated with the use of other organic peroxides.

### USP Monograph: Benzoyl Peroxide Gel

Test:	Specification:
Assay	90.0 - 125.0% of label claim (Claim 40 %)
Identification	Matches Standard
pH	2.8 - 6.6
<b>Related Compounds:</b>	
Benzoic Acid	NMT 25%
Ethyl Benzoate	NMT 1%
Any other impurity other than Methylparaben and Propylparaben	NMT 2%
Sum of all impurities other than Benzoic Acid, Ethyl Benzoate, and Benzaldehyde	NMT 2%

### Quality:

Curoxyl® BP 42 USP is manufactured at a current Good Manufacturing Practices (cGMP) compliant facility. The cGMP standards are FDA regulated requirements that ensure the products produced meet specific requirements for identity, strength, quality, and purity. Curoxyl® BP 42 USP Gel has been exclusively tested for reactivity and flammability. The results show that Curoxyl® represents a minimal reactivity and fire hazard. The FDA guidelines for cGMP standards are established to ensure all aspects of drug development are carried out under safe and effective quality processes intended to avoid contamination and provide consistently repeatable quality characteristics.

### Formulation Compatibility

Compatible With:	Not Compatible with:
Various PEGS	Alcohols
Waxes	Amines
Cosmetic Oils	Amine Based Biocides
Emollients	Chlorine/Chloride Releasing Biocides
Vegetable Oils	Most Sulfur Containing Compounds
Propylene Glycols	Any Reducing Agent
Glycerol	Transition Metals

