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Specification Sheet

ENSULIZOLE USP (Phenylbenzimidazole Sulfonic Acid) (Chemsol HS)

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
HSWCIP	-	27503-81-7	January 4, 2012	ATR	No. 1	KSG

CHARACTERISTICS:	Practically odorless white to off-white powder
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SPECIFICATIONS:	Assay	98.0-102.0%
	Identification	
	Infra-red (197K)	To pass test
	Ultra-violet (197U)	To pass test
	UV Specific Extinction $E_{1\text{ cm}}^{1\%}$ at 302 nm	920-1,000
	Loss on drying	2.0% max

STOCKING POINTS:	Not stocked yet. Will fly in.
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PACKAGING:	30 kg fiber drum with double polyethylene liner
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APPLICATIONS:	Water soluble UVB protection sunscreen active. For maximum protection it is included in the water phase of oil in water or water in oil emulsions, paired with avobenzene, titanium dioxide, or zinc oxide in the oil phase. Because it is water-soluble, it has the characteristic of feeling lighter on the skin. As such, it is often used in sunscreen lotions or moisturizers whose aesthetic goal is a non-greasy finish.
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SPECIAL STORAGE INSTRUCTIONS:	Store at -20° to 6°C, out of direct light, in original unopened containers.
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OTHER:	Meets USP-29 Monograph for Ensulizole USP Also known as 2-Phenyl-1H-benzimidazole-5-sulfonic acid.
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SHELF LIFE:	If stored at cool temperature and out of direct light product will be stable for 24 months. Effective June 2012 the new FDA regulations are in place defining labeling claims on sunscreen products for broad-spectrum, water resistant, skin cancer , etc. These new regulations should be consulted accordingly.
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