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Specification Sheet

AMMONIUM THIOCYANATE

Code No.	SCN No.	CAS No.	Effective Date	Product Manager	Rev. No.	Approved By
AMTCCC	3280	1762-95-4	June 3, 2004	MDS	No. 4	SDM

CHARACTERISTICS:	White, deliquescent crystals; soluble in water, alcohol, acetone and ammonia. Keep out of light or product will darken.
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SPECIFICATIONS:	Assay (after drying)	98.0% min.
	Loss on drying	2.3% max.
	Ignition residue	0.1% max.
	Water insoluble matter	60 ppm max.
	Chloride	0.05% max.
	Sulfate	0.05% max.
	Iron	2 ppm max.
	Heavy metals	20 ppm max.
	pH (5% aqueous solution at 25°C)	4.5-6.0
	Iodine consuming substances	0.5% max.
	Particle size thru a 10 mesh screen	100%
	Color (50% solution) (APHA)	35 max.

STOCKING POINTS:	Houston, TX
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PACKAGING:	25 kg 2 ply PE laminated Kraft paper bag, 40 bags per pallet
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APPLICATIONS:	Textile:	Dye assist, swelling agent.
	Metallurgical:	Separator, extractor of metals.
	Metal finishing:	Plating, flotation agent.
	Photographic:	Stabilizer, accelerator, etc.
	General:	Fire retardant in wood and plastics, thinning agent/catalyst reactant in producing glues, urea-formaldehyde resins, adhesives, synthesis of selective herbicides, used in H ₂ O ₂ production, water tracer in oil fields.

OTHER:	Shelf life is one year before it will pick up enough moisture to reduce the assay and go out of spec. Keep away from any Iron source. It will react with it to discolor the solution (pink to red). The freezing point of this product is slightly below 0°C for 51% solution.
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