

MATERIAL SAFETY DATA SHEET

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1	Identification	Manufacturer Name	Nikita Transphase Adducts (P) Ltd, T-96 Tarapur MIDC, Boisar, 401 506, India Office: +91.22.2444 0141 / +91.22.2444 0142	
		Product Name	NIQUAT ATAC-3016	
		Shipping Name	Environmentally Hazardous Substance, Liquid NOS	
		Trade Name(s)	Alkyl Trimethyl Ammonium Chloride Solution	
		Chemical Name	Aqueous Solution of Cetyl Trimethyl Ammonium Chloride	
		Chemical Formula	C ₁₆ H ₂₃ (CH ₃) ₃ NCl	
		Mol Wt	-	
2	Components	Ingredient Name	Cetyl Trimethyl Ammonium Chloride	
		Percentage	30% +/- w/w	
		CAS Number	112-02-07	
3	Hazards Identification	Emergency Overview	Harmful if swallowed. May cause skin irritation. May Cause serious injuries to the eyes. In confined area vapors may cause headache. Toxic to aquatic organisms.	
		Potential Health Effects	Short Term	Long Term
		Inhalation	Causes irritation to upper respiratory track.	Not Available
		Skin	Causes irritation.	Not Available
		Eye	May cause severe irritation, redness and lead to chemical burns.	Not Available
		Ingestion	Data Not Available. Safe to assume harmful if swallowed	Not Available
4	First Aid Measures	Inhalation	Remove from exposure immediately, and introduce to fresh air.	
		Skin	Remove contaminated clothing. Wash exposed areas immediately and thoroughly with mild soap and water.	
		Eye	Do not rub eyes. Remove contact lenses. Flush thoroughly with water. If irritation persists consult doctor.	
		Ingestion	If possible spit out, and clean mouth. Do not induce vomiting. Seek immediate medical help.	
5	Fire Fighting Measures	Flash Point	-	
		Flammability Limits	IEL : N.A. UEL : N.A.	
		Extinguishing Media	CO ₂ , Dry Chemicals, Foam	
		Fire Fighting Procedures	During emergency conditions, exposure to thermal decomposition/combustion products may be hazardous. Approved self-contained, fully covered breathing apparatus must be used.	
		Usual Fire and Explosion Hazard	No explosive hazards are expected.	
6	Accidental Release Measures	In case of Spillage or Leakage	Handle in area suitable for containment of spills. Mop up with proper equipment. Avoid release to sewers or environment. Place recovered material in properly marked containers for disposal.	
7	Handling and Storage	Precautions	Avoid prolonged breathing of vapour. Use in areas with adequate ventilation.	
		Storage	Keep away from extremely hot areas, and keep containers sealed. Do not leave in open or semi-open condition.	
8	Exposure Controls / Personal Protection	Skin	Use appropriate clothing/ impermeable gloves etc to minimize exposure.	
		Ventilation	Maintain adequate flow of fresh air to maintain exposure levels minimal.	
		Respiration	If adequate ventilation not possible, use approved respiratory protection equipment.	
		Eye	Approved goggles to be used at all times.	

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9	Physical and Chemical Properties	Appearance	Water White to Light yellowish Liquid.
		Odor	Slightly sweet ammonical
		Solubility in Water	Miscible in all proportions
		Melting Pt	NA
		Freezing Pt	NA
		Specific Gr	Approx 0.95-1.0
		Initial BP	Approx 100 C
		Vap. Pres	-
10	Stability & Reactivity	Materials to Avoid	None known.
		Conditions to Avoid	None known.
		Haz Decomposition Products	Normal hydrocarbon combustion products, CO, CO ₂ , NO _x , Chlorides, hydrochloric acid.
11	Toxicology	Oral LD50	Rat : 250 mg/kg
		Dermal	Not Established
		Inhalation	Not Established
12	Ecological Information		Do not discharge into drains or the environment; dispose to authorized chemical waste collection point.
13	Disposal Consideration		Incinerate concentrated liquids in authorized facility or Dispose according to local law.
14	Transport Information	Shipping N	Environmentally Hazardous Substance, Liquid NOS
		UN No	3082
		Class :	9
		Packing Group	III
15	Regulatory Information	S Phrases	S2 Keep out of the reach of children. S24 Avoid contact with skin. S37 Wear suitable gloves. S61 Avoid release to the environment.
16	Other Information	R Phrases	R22 Harmful if swallowed. R36 Irritating to eyes. R37 Irritating to respiratory system.
		S Phrases	S7 Keep container tightly closed. S17 Keep away from combustible material. S25 Avoid contact with eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S27 Take off immediately all contaminated clothing. S28 After contact with skin, wash immediately with plenty of soap-suds. S29 Do not empty into drains

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