

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	Antiox SP		
		Trade Name(s)	Antiox SP		
		Chemical Name	Mixture of Styrenated Phenols		
		Chemical Formula	HO-C ₆ H ₃ -(CH-CH ₃ C ₆ H ₅) ₂ (average)		
		Mol Wt	302-342 (average)		
2	Composition Information on Ingredients	Ingredient Name	Mixture of Mono-Di-Tri Styrenated Phenols	Unreacted Phenol	Unreacted Styrene
		Percentage	> 98%	< 1.0 %	<1.0%
		CAS Number	61788-44-1	13127-88-3	9003-53-6
3	Hazards Identification	Emergency Overview	Causes mild to moderate eye, skin and digestive tract irritation. In confined area vapors may cause headache. Harmful to aquatic life.		
		Potential Health Effects	Short Term		
		Inhalation	May cause irritation to upper respiratory track.		
		Skin	May cause mild irritation/redness.		
		Eye	May cause irritation/redness.		
		Ingestion	Data Not Available. Safe to assume irritation and nausea.		
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. 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	> 160 deg C		
		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	When exposed to excessive heat and open flames, will emit acid/irritant fumes and/or smoke. 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. Avoid prolonged/repeated dermal exposure. Use in areas with adequate ventilation. Keep from excessive heat, sources of fire or sparks.		
		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 prevent 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.		
9	Physical & Chemical	Appearance	Highly Viscous Water-white to straw-colored clear liquid		

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	Properties	Odor	Phenolic
		Solubility in Water	NIL
		Viscosity	>5000 cps @ 20 degC
		Specific Gr	Approx 1.08
10	Stability & Reactivity	Materials to Avoid	Strong Oxidizing agents
		Conditions to Avoid	None known.
		Haz Decomposition Products	Normal hydrocarbon combustion products, CO, CO2.
11	Toxicology	Oral LD50	> 2000 (mg/kg) Rat
		Dermal	> 7000 (mg/kg) Rat
		Inhalation	Not Established
12	Ecological Information		EC50 (green algae) 2 mg/L Not Biodegradable 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	Classification DOT ADR, IMDG, IATA Environmental hazards Marine pollutant Special marking (ADR) Special marking (IATA) Special precautions for user Danger code (Kemler) EMS Number Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	UN No 3082 UN Packing Group : III Class :9 Proper Shipping Name : Environmentally Hazardous Substance, Liquid NOS. Void III Product contains environmentally hazardous substances: Phenol, styrenated Symbol (fish and tree) Symbol (fish and tree) Symbol (fish and tree) Warning: Miscellaneous dangerous substances and articles 90 F-A,S-F Not applicable.
15	Regulatory Information	EC labeling symbols	Dangerous for the Environment.
		Hazard Symbol	N
		R Phrases	R53 May cause long-term adverse effects in an aquatic environment.
		S Phrases	S24 Avoid contact with skin. S36 Wear suitable protective clothing. S37 Wear suitable gloves. S60 This material and/or its container must be disposed off as hazardous waste. S61 Avoid release to the environment.
	Other Information		This product is a hindered phenolic antioxidant.

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		HMIS Rating	Health 1 Flammability 0 Reactivity 0 PPI : X Legend : 0 : Minimal Hazard 1 : Slight Hazard X : Personal Protective Clothing to be supplied by user depending on usage conditions.

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