

**MATERIAL and SAFETY DATA SHEET**

Revision date: Aug 2019

1	<b>Identification</b>	Manufacturer Name	Nikita Transphase Adducts (P) Ltd, T-96 Tarapur MIDC, Boisar, 401 506, India Office: +91.22.2432 8735, Fax: +91.22.2432 3647		
		Product Name	POLYFLOC 50750		
		Shipping Name	-		
		Trade Name(s)	PolyFloc 550/950/1550/5500		
		Chemical Name	Solution of Amine-Epichlorohydrin CoPolymers		
		Chemical Formula	~[(CH <sub>2</sub> -CH.OH-CH <sub>2</sub> )(CH <sub>3</sub> ) <sub>2</sub> N <sup>+</sup> Cl] <sub>n</sub> ~		
		Mol Wt	-		
2	<b>Components</b>	Ingredient Name	Dimethylamine	Epichlorohydrin	Epi/DMA Copolymer
		CAS Number	124-40-3	106-89-8	92769-10-3
		Percentage	Max 0.5 %w/w	Max 0.1 %w/w	45-48% w/w
3	<b>Hazards Identification</b>	Emergency Overview	Harmful to aquatic organisms.		
		Potential Health Effects	Short Term	Long Term	
		Inhalation	May cause irritation to upper respiratory track.	Not Available	
		Skin	May cause mild irritation.	Not Available	
		Eye	May cause severe irritation, redness.	Not Available	
		Ingestion	Data Not Available. Assume harmful if swallowed	Not Available	
4	<b>First Aid Measures</b>	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	<b>Fire Fighting Measures</b>	Flash Point	-		
		Flammability Limits	IEL : N.A. UEL : N.A.		
		Extinguishing Media	Water, CO <sub>2</sub> , 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	<b>Accidental Release Measures</b>	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	<b>Handling and Storage</b>	Precautions	Avoid prolonged breathing of vapour, prolonged contact with eyes/skin. Use in areas with adequate ventilation.		
		Storage	Keep away from hot areas, and keep containers sealed. Do not leave in open or semi-open condition.		
8	<b>Exposure Controls / Personal Protection</b>	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. Do not use contact lenses.		

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9	<b>Physical and Chemical Properties</b>	Appearance	Light Yellow to Amber Viscous Liquid.
		Odor	Like epoxy resin/amine
		Solubility in Water	Miscible in all proportions
		pH	4-8 of 5% aqueous solution
		Freezing Pt	Below 0 deg C
		Specific Gr	Approx 1.1-1.15
		Autoignition Temp	Above 190 degC
10	<b>Stability &amp; Reactivity</b>	Materials to Avoid	Oxidizing agents.
		Conditions to Avoid	None known.
		Haz Decomposition Products	Normal hydrocarbon combustion products, CO, CO <sub>2</sub> , NO <sub>x</sub> , Chlorides, hydrochloric acid.
11	<b>Toxicology</b>	Oral LD50	Rat > 2000 mg/kg
		Dermal	Rat > 2000 mg/l
		Inhalation	Not Established, not expected to be toxic by inhalation.
12	<b>Ecological Information</b>		Do not discharge into drains or the environment; dispose to authorized chemical waste collection point. Not easily biodegradable.
13	<b>Disposal Consideration</b>		Reduce wastage by rinsing empty containers with water, and reusing this solution during application Incinerate concentrated liquids in authorized facility or dispose according to local law.
14	<b>Transport Information</b>	Shipping	Not Classified as Dangerous for Transport
15	<b>Regulatory Information</b>	R Phrases	R52/53 : Harmful to aquatic organisms/May cause long term adverse effects in the aquatic environment.
		S Phrases	S24 Avoid contact with skin. S37 Wear suitable gloves. S61 Avoid release to the environment.
16	<b>Other Information</b>	R Phrases	R22 Harmful if swallowed. R36 Irritating to eyes.
		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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