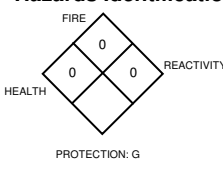


MATERIAL SAFETY DATA SHEET

Revision date: Aug 2019

1	Identification	Manufacturer Name	Nikita Transphase Adducts (P) Ltd, T-96 Tarapur MIDC, Boisar, 401 506, India Office: +91.22.2444 0141/0142, +91.22.6615 8844		
		Product Name	NIMUL D		
		Trade Name(s)	NIMUL D		
		Chemical Name	Aqueous solution of Fatty Dimethyl Ammonium Methosulfate (Surfactant Solution)		
		Chemical Formula	Proprietary		
		Mol Wt	-		
2	Components (Hazardous)	Ingredient Name	FDAM	Unreacted Fatty Amine	Water
		Percentage	Min 40%	Max 0.5%	55%
		CAS Number	NA (mixture)	NA (mixture)	7732-18-5
3	Hazards Identification 	Emergency Overview	May causes mild to moderate eye, skin and digestive tract irritation. In confined area vapors may cause headache.		
		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 irritation/redness.	Not Available	
		Ingestion	Data Not Available. Safe to assume irritation and nausea.	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. 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	> 90 ^o c		
		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.		

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		Eye	Approved goggles to be used at all times.
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	-
		Initial BP	NA
		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 , SO _x , NO _x
11	Toxicology	Oral LD50	Not Established
		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		Non Hazardous
15	Regulatory Information		US TSCA : Not Listed
16	Other Information		Health : 0 , Fire : 0, Reactivity : 0

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