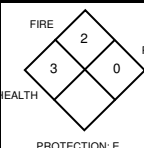


## MATERIAL SAFETY DATA SHEET

Revision date: Aug 2019

1	<b>Identification</b>	Manufacturer Name	Nikita Transphase Adducts (P) Ltd, T-96 Tarapur MIDC, Boisar, 401 506, India Office: +91.22.2444 0141/0142, +91.22.6615 8844	
		Supplier Names	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	Formaldehyde solution	
		Trade Name(s)	Formasol 46	
		Chemical Name	Formaldehyde Methanol Solution	
2	<b>Composition Information on Hazardous Ingredients</b>	Ingredient Name	Formaldehyde	Methanol
		Percentage	>45%	>50%
		CAS Number	50-0-0	67-56-1
3	 <p><b>Hazards Identification</b></p>	General	Liquid and Vapours are flammable.	
		Eye	Causes eye irritation and burns. Prolonged and excessive contact can cause blindness.	
		Skin	Causes skin irritation and burns. The toxicological properties of this material have not been fully investigated.	
		Ingestion	Causes severe irritation of the digestive tract. May cause blindness or be fatal if ingested. Will cause nausea, dizziness, headache,	
		Inhalation	Harmful if inhaled. Will cause respiratory tract, throat irritation.	
		Chronic	No information found.	
		Carcinogenic	Prolonged exposure to Formaldehyde is considered carcinogenic to the nasopharyngeal region. It is listed as OSHA carcinogen/ Anticipated Carcinogen by NTP.	
4	<b>First Aid Measures</b>	Eye	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get Medical aid.	
		Skin	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing and destroying contaminated clothing and shoes.	
5	<b>Fire Fighting Measures</b>	<p>As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear, During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Combustible liquid.</p> <p>Extinguishing Media :</p> <p>In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Use agent most appropriate to extinguish fire.</p>		
6	<b>Accidental Release Measures</b>	<p>Eliminate Ignition sources.</p> <p>General Information : Use proper personal protective equipment as indicated in Section 8.</p> <p>Spills/Leaks : Use film forming foams to cover spillage. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways, Clean up spills immediately, observing precautions in the Protective Equipment section. Scoop up with a nonsparking tool, then place into a suitable container for disposal. Remove all sources of ignition. Provide ventilation.</p>		

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7	Handling and Storage	Handling	Wash hands thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Keep away from heat, sparks and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind or expose empty containers to heat, sparks or open flames. Product may generate static charge. Ensure all storage tanks, transfer pumps, lines are properly insulated.
		Storage	Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Product may generate static charge. Ensure all storage tanks, transfer pumps, lines are properly insulated
8	Exposure Controls / Personal Protection	Engineering Control	Use adequate ventilation to keep airborne concentrations low. Exposure Limits Personal Protective Equipment. Dilution Ventilation is generally not sufficient.
		Eyes	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulation in 29 CFR 1910.133 or European Standard EN166.
		Skin	Wear appropriate protective gloves to prevent skin exposure.
		Clothing	Wear appropriate protective clothing to prevent skin exposure.
		Respirators	Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
9	Physical & Chemical Properties	Physical State	Liquid
		Color	Colorless to light yellow
		Odor	Strong pungent characteristic formaldehyde odour.
		pH	4-7
		Sp gr	Approx 1
		Viscosity	Not available
		Boiling Point	About 85 deg C
		Freezing/Melting Point	Below 0 deg C
		Autoignition Temperature	Not available
		Flash Point	43 deg C
		Explosion Limits, lower	Not available
		Explosion Limits, upper	Not available
		Decomposition Temperature	
		Solubility in water	Miscible
Molecular Weight	Formaldehyde : 30 Methanol : 32 Water : 18		
10	Stability & Reactivity	Chemical Stability	Stable under normal temperatures and pressures.
		Conditions to Avoid	Incompatible material, ignition sources, excess heat, strong oxidants
		Incompatibilities with other Materials	Oxidizing agents
		Hazardous Decomposition products	Carbon monoxide, irritating and toxic fumes and gases, carbon dioxide
		Hazardous Polymerization	Has not been reported

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11	Toxicology	Primary target Organs	Eye, Skin
		Primary Entry Route (s)	Eye, Skin
		Medical Conditions aggravated by Overexposure	None Know
		<b>ACUTE TOXICITY</b>	
		<b>PARAMETER</b>	<b>RESULT</b>
		Acute Oral Toxicity	Oral LD50 : 800 mg/kg (rats)
		Acute Inhalation Toxicity	LC50 474ppm (rats/4hours)
		Acute Dermal Toxicity	LD50 270mg/kg (rabbit)
		Eye Irritancy	Severe
12	Ecological Information	Dermal Irritancy	Full strength 24 hours
		Skin Sensitization	Not determined
		Ecotoxicity	Not Determined
		Mobility	Not Determined
		Persistence and Degradability	Not Determined
13	Disposal Consideration	Bioaccumulation Potential other Adverse Effects	Not Determined
		Ozone Depleting Substances	Nonet
		Disposal Methods	This material, if discarded, is considered a hazardous. Incineration is best option.
14	Transport Information	Safe Handling of Wastes	Refer to section 8 for information pertaining to personal protective equipment and exposure controls when handling this material for disposal.
		Community Provision	Dispose of this material at a local, state or federally approved land fill, incinerator or recovery facility.
		Emergency Response Guidebook	As per Indian Transport rules.
		Dot Bulk Shipping name	Formaldehyde Solutions
		UN No	2209
		Hazard Class	8
		Packing Grp	III
15	Regulatory Information	DOT Label (s)	NA
		ADR/RID Classification	NA
16	Other Information	IATA Classification	Corrosive
		CHEMICALS INVENTORIES STATUS	
		India and Overseas	Compliant
			This product is a used to mask foul odours of industrial products.

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