



JBS ASSOCIATES

- Phuphuwadih, P.O. Jungalpur
Govindpur, Jharkhand - 828109
- +91 9431 1232 82 / 9431 3196 67
- www.jbschem.com
- sales@jbschem.com

MATERIAL SAFETY DATA SHEET

GENERAL:-

The normal precautions relating to handling chemicals & local regulations on industrial hygiene must be observed. The place of work must be well ventilated & safety goggles should be worn.

SAFETY DATA SHEET:-

All known data relating to safety have been compiled in the light of the state of the art in the safety data sheet for **PAC 86**.

INDUSTRIAL HYGIENE:-

According to the experience we have gained over many years & other information at our disposal PAC 86 does not exert any harmful effects on health provided it is used for the purpose for which it is intended & the principles of sound manufacturing practice are adhered to.

01.	Chemical products & Company Identification	PAC 86 JBS ASSOCIATES Govindpur, Dist: Dhanbad, State: Jharkhand, India - 828109
02.	Composition / information on ingredients Chemical Characterization	Solution of Amine, H ₂ O and Non Hazardous Ingredients. Solid : 40 – 42% , Sp Gr 1.15 ± 0.02
03.	Potential Hazard information	Critical Hazard to man & environment - None
04.	First Aid Measures	
	a) Eye Contact	Flush immediately with plenty of water for at least 15 minutes. Get medical attention.
	b) Skin Contact	No harmful effect for the skin.
	c) Inhalation	Remove affected person to fresh air. If symptoms persist obtain medical attention.
	d) Ingestion	If swallowed obtain medical attention. Induce Vomiting only on advice of physician.

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05.	Fire Fighting measures	
	a) Extinguish Media Suitable	Water spray, dry extinguishing media, Carbon dioxide. Contaminated extinguishing water must be disposed with local Regulation.
	b) Combustion Products	Carbon Monoxide, Carbon dioxide, Sulfur dioxide.
06.	Accidental Relief Measures	
	a) After spillage / leakage / Gas leakage	Wipe up with adsorbent tissue or cloth. Remove any Spills, residues, with small amount of water. Dispose according to local regulations.
	b) Environmental Precautions	Preferably do not discharge product into Natural water without Pretreatment.
07.	Handling or Storage	
	Precautions to be taken during storage	Store in shaded areas & away from direct sunlight. Protect from extremes of heat & cold. Use in ventilated areas only.
08.	Exposure control / Personal Protection	
	a) Exposure Limits	MAK (DFG, 1997)
	b) Personal Protective equipments	
	i) Respiratory Protection	Filtering half mask
	ii) Eye Protection	Safety Goggles
	iii) Skin Protection	Impervious gloves
	iv) Other	Plastic Apron, Face Shield, Hat, Boots. Observe the usual precautions when handling chemicals.
	c) Industrial Hygiene	Wash hands before breaks & after finishing work. Do not eat, drink or smoke at work place.
09.	Physical & Chemical Properties	
	- Form	Liquid
	- Color	Yellowish
	- Odor	Characteristics
	Change in Physical State	
	- Boling Point (°c)	>115
	- Melting Point (°c)	N/A
	- Flash Point (°c)	N/A
	Auto ignition in temperature (°c)	N/A
	Explosion Limit	

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	- Lower	N/A
	- Upper	N/A
	Specific Gravity (at 25°C)	1.15 ± 0.02
	Vapour Pressure, mbar	N/A
	Viscosity (at 25°C)	N/A
	PH Value	7 ± 1
	Solubility in Water (°C)	Soluble
10.	Stability & Reactivity	
	a) Hazardous decomposition Product	Carbon Monoxide, Carbon dioxide, Sulfur dioxide.
	b) Hazardous Reactions	None Known.
11.	Information on Toxicity	In our experience & according to information available to us the product is not harmful to health provided it is handled & used in accordance with given recommendations.
12.	Information on Ecological effects	
	Elimination information	The product can be virtually eliminated from water by a biotic processing, e.g. adsorption on to activated sludge. It is preferable not to discharge product into Natural water with out pretreatment.
13.	Disposal	If spills, wash out with water. Absorb with dry sand vermiculite or special spill absorbent for water based materials. Dispose by incineration or by land fill as permitted by local Regulations.
14.	Transport	Not classified hazardous under transport regulations.
15.	Regulation	The material is not subject to special labeling.
16.	Other Information	The above data are based on our product knowledge. However, they shall not constitute a guarantee for any specific product features & shall not establish a legally valid contractual relationship.