



MATERIAL SAFETY DATA SHEET
 HP Industrial Printing
 8b Hatzoran St. – 42505 – Netanya - Israel
 Information telephone number: +972-9-892-4628
 Fax: +972-9-892-4900

MSDS: PT20

Catalog Number: 510-000017 (3.8 kg bottle), 510-000018 (15.2 kg box)			
MSDS first issue date: November 2000		Latest Revision: November 2006	
1	<u>Identification of Substance</u> Activating solution to prepare vinyl coated substrate to absorb printing inks. Form: Aqueous solution of selected salts and low vapor pressure organic chemicals.		
2.1	<u>Composition of the Preparation</u>	<u>CAS #</u>	<u>%</u>
	2.1.1 Calcium acetate	62-54-4	6-10
	2.1.2 Methyl lactate	547-64-8	1-3
	2.1.3 BYK 348 (wetting agent)	Non toxic	0.4-1.5
	2.1.4 Butyl carbitol	112-34-5	1.5-5
	2.1.5 Water		to 100%
	Note: Composition could vary according to specific substrates.		
2.2	<u>Information on Components</u> Hazardous Components:		
			<u>UN #</u>
	Magnesium chloride		None
	Sodium chloride		None
	Calcium chloride		None
	Caicium acetate		None
	Methyl lactate		None
	BYK 348		None
	Butyl carbitol		3334 Class 9
	[Please refer to specific components MSDS]		
3	<u>Hazard Identification - Risk Phrases:</u> R-22 Harmful if swallowed R-36 Irritating to the eyes, especially when heated R-37 Irritating to the respiratory tract, when heated [Please refer also to specific components MSDS]		
4	<u>First Aid Measures according to Routes of Exposure</u> 4.1 Inhalation: Should not be harmful unless heated. Remove patient to fresh air. 4.2 Skin Contact: Remove exposed cloth and socks. Wash well with soap and water. 4.3 Eyes Contact: Check for contact lenses and remove them. Immediately flush open eyes with water for at least 15 minutes. Promptly transfer to hospital without considering patient condition. 4.4 Ingestion: If victim is conscious, give two glasses of water and if not give none. Transfer to hospital.		
5	<u>Fire Fighting Measures</u> The activating aqueous solution is normally not flammable at room temperature, but could emit flammable vapors when heated close to water boiling point. Wear self-contained breathing apparatus during fire fighting since toxic vapors may be emitted by fire. Extinguishing media: Dry Powder, Carbon dioxide and regular Foam.		
6	<u>Accidental Release Measures</u> Spill cleaning: Wear rubber gloves, rubber boots and safety glasses. Use adsorbent materials such as sand, sawdust, vermiculite or other general-purpose commercial adsorbents to clean up the spill as much as possible. Use brooms and shovels to collect mixture into disposal bin. Wipe clean the floor with wet cloths, and dispose of them in the bin. Rinse affected area with water. Dispose of contaminated clothing and gloves in the same disposal bin.		



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7	<u>Handling and Storage</u> Always use safety glasses and rubber gloves when handling chemicals. Store in a ventilated storage room. Protect from heat.
8	<u>Exposure Control / Personal Protection</u> Exposure: General machine and room ventilation are usually adequate. Protection: Safety glasses, rubber gloves, safety shower and eye washer nearby.
9	<u>Physical and Chemical Properties</u> The activating solution consists of a rather viscous aqueous solution of blends of high vapor pressure and high boiling point organic chemicals, with salts. Its properties could be globally estimated as follows: Melting point: sub-zero Boiling point: always above water boiling point Flash point: n.d. but likely above 80 degrees Celsius Vapor pressure: always less than water at 20 degrees Celsius Specific gravity: 1.05 pH value: near neutral Flammability limits in air: n.d., but normally not flammable at room temperature.
10	<u>Stability and Reactivity</u> Stable. Conditions to avoid: high temperatures, contact with strong oxidizing agents and strong alkalis.
11	<u>Toxicological Information</u> Acute Toxicity by Route of Exposure: see MSDS of individual components. Inhalation Not known as toxic at room temperature Skin contact Should be considered as irritant. Eye contact Irritant. Avoid contact, especially when heated. Ingestion Do not swallow. Chronic toxicity: see MSDS of individual components.
12	<u>Ecological Information</u> The solution could impair biodegradability, but has not been tested as such.
13	<u>Disposal Considerations</u> Dispose according to local regulations. When no regulations apply, dispose of spills and contaminated material in closed drums at permitted landfill sites, through registered transporters.
14	<u>Transport Information</u> Not classified as hazardous material by UN, DOT, ADR, IMDG and IATA.
15	<u>Regulatory Information</u> ACGHI: TLV not attributed OEL: not mentioned EC labeling: Symbol not required R phrases: R-22, R-36, R-37 (see paragraph 3 above) S phrases: S-15, S-24, S-26, S-28, S-29, S-37, S-39, S-46, S-56.
16	<u>Other Information</u> Refer to specific components MSDS.
The information in this MSDS was compiled from sources we believe to be reliable. However, the information is provided with no warranty, expressed or implied, regarding its correctness. Product is based on blends of specific components, each with its own MSDS, which should also be consulted. The conditions or methods of use or disposal of the material are beyond our control and may be beyond our knowledge. The MSDS is issued for the sole purpose to help user by providing health, safety and environmental data whenever available.	