

# SAFETY DATA SHEET

According to 91/155/EWG

Series 140-ME/100

Date of issue / revised : 25-09-2006

No. : 01045/RG/e

Page 1 of 4

<b>1.</b>	<b>IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY</b>																									
	<b>TRADE NAME</b> <b>SERIE 140-ME/100</b> <b>INTENDED USE</b> <b>SILVER (ECO-VERSION)</b> <b>MANUFACTURER</b> <b>PRINTCOLOR SCREEN LTD. CH-8965 BERIKON</b> TEL ++41-(0)56-648 85 85      FAX ++41-(0)56-648 85 00 <b>EMERGENCY INFORMATION</b> <b>TELEPHONE NUMBER ++41-(0)44-251 51 51</b>																									
<b>2.</b>	<b>COMPOSITION / INFORMATION ON INGREDIENTS</b>																									
	<b>2.1 CHEMICAL CHARACTERISTICS OF PRODUCT:</b> <b>RESINS AND ALUMINIUM PIGMENTS IN SOLVENTS</b>  <b>2.2 SUBSTANCES PRESENTING A HEALTH HAZARD WITHIN THE MEANING OF GUIDE-LINES No.67/548/EC OR ASSIGNED OCCUPATIONAL EXPOSURE LIMITS</b>																									
	<table border="1"><thead><tr><th>CAS-No..</th><th>DESIGNATION ACCORDING TO EC GUIDE-LINES</th><th>CONCENTRATION WEIGHT-%</th><th>DAANGERSYMBOL LETTER</th><th>R-PHRASES (*)</th></tr></thead><tbody><tr><td>107-98-2</td><td>1-Methoxy-2-Propylalcohol</td><td>&lt; 45</td><td>--</td><td>10</td></tr><tr><td>34590-94-8</td><td>Dipropylenglycolmethylether</td><td>&lt; 40</td><td>--</td><td>--</td></tr><tr><td>107-41-5</td><td>Hexylenglycol</td><td>&lt; 5</td><td>--</td><td>36-38</td></tr><tr><td>--</td><td>Aluminium powder</td><td>&lt; 10</td><td>F</td><td>10-15</td></tr></tbody></table> (*) CLEAR TEXT OF R-PHRASES SEE SECTION 15 AND 16	CAS-No..	DESIGNATION ACCORDING TO EC GUIDE-LINES	CONCENTRATION WEIGHT-%	DAANGERSYMBOL LETTER	R-PHRASES (*)	107-98-2	1-Methoxy-2-Propylalcohol	< 45	--	10	34590-94-8	Dipropylenglycolmethylether	< 40	--	--	107-41-5	Hexylenglycol	< 5	--	36-38	--	Aluminium powder	< 10	F	10-15
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<b>3.</b>	<b>HAZARDS IDENTIFICATION</b>																									
	<b>DANGER SIGN</b> -- <b>SPECIAL DANGER ADVICE</b> Flammable <b>FOR PERSONS AND ENVIRONMENT</b>																									
<b>4.</b>	<b>FIRST AID MEASURES</b>																									
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No. : 01045/RG/e

According to 91/155/EWG

Series 140-ME/100

Date of issue / revised : 25-09-2006

Page 2 of 4

6.	ACCIDENTAL RELEASE MEASURES			
	PERSONAL PRECAUTIONS	Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in Sections 7 and 8.		
	ENVIRONMENTAL PRECAUTIONS	Do not allow to enter drains or water courses. If the product contaminates rivers, lakes and drains or soil, inform the responsible local authorities.		
	METHODS FOR CLEANING UP / COLLECTING	Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with the waste regulations (see Section 13).		
7.	HANDLING AND STORAGE			
	HANDLING			
	INFORMATION FOR SAFE HANDLING	Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations exceeding the occupational exposure limits. Moreover, the product should only be used in areas which have been cleared from direct light, fire and other sources of ignition. The product may charge itself electro-statically. Electrical equipment should be protected properly. When pouring the product into other containers, only ground mains should be used. It is recommended to wear antistatic clothing and foot wear. Use spark-proof tools. Avoid any contact with eyes or skin. Smoking, eating and drinking should be prohibited in areas of storage and use. For personal protection see Section 8. Follow legal protective and safety instructions.		
	INFORMATION ABOUT PROTECTION AGAINST EXPLOSIONS AND FIRES	Vapours are heavier than air and may spread along floors. They may form explosive mixtures in combination with air. Preparations may charge electrostatically: Always use earthing leads when transferring from one container to another.		
	STORAGE			
	REQUIREMENTS FOR STORAGE ROOMS AND CONTAINERS	Electrical equipment should be protected to the appropriate standard. Floors should be of the conducting type. Keep container tightly closed. Never use pressure to empty: Container is not a pressure vessel. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage. No ressurized container.		
	ADVICE FOR COMBINED STORAGE	Store seperately from strong acid and alkaline materials as well as from oxidizing agents.		
	FURTHER ADVICE FOR STORAGE	Store at a cool and well ventilated place. Avoid heating and direct sunlight. Keep away from flammable matters and observe instructions on the labels. Always keep in containers of same material as the original one.		
8.	EXPOSURE CONTROL / PERSONEL PROTECTION			
	ENGINEERING MEASURES			
	Provide adequate ventilation. Where reasonably practicable this should be achieved by use of local exhaust ventilation and good general extration. If these are not sufficient to maintain concentrations of particulates and/or solvent vapours below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn. (See 'Personal protection' below).			
	COMPONENTS WITH CRITICAL VALUES THAT REQUIRE MONITORING AT THE WORKPLACE (EXPOSURE LIMITS)			
	CAS-No.	DESIGNATION ACCORDING TO EC GUIDE-LINES	OCCUPATIONAL EXPOSURE LIMITS	UNIT
	107-98-2	1-Methoxy-2-Propylalcohol	100	ppm
	34590-94-8	Dipropylenglycolmethylether	50	ppm
	107-41-5	Hexylenglycol	5	ppm
	--	Aluminium powder	3A	mg/m3
	The above values have been taken from the valid list (f.e. TRGS 900) of the Federal Republic of Germany or from the Regulations of SUVA/Switzerland regarding occupational exposure limits.			

# SAFETY DATA SHEET

No. : 01045/RG/e

According to 91/155/EWG

Series 140-ME/100

Date of issue / revised : 25-09-2006

Page 3 of 4

	<b>PERSONAL PROTECTION</b>					
	<b>RESPIRATORY PROTECTION</b>	If the solvent vapor concentration exceed the exposure limits, the use of breathing apparatus is practical or necessary (breathing protection measures)				
	<b>SKIN PROTECTION</b>	Use protective gloves, e.g. Neoprene. At lasting or repeated contact of the product with the skin, use protecting emulsions. Observe recommendations of the manufacturer. After washing hands replace lost skin fat by fat containing skin creams				
	<b>EYE PROTECTION</b>	Safety glasses as protection against splashes of solvents should be worn.				
	<b>BODY PROTECTION</b>	Cotton or cotton/synthetic overalls or coveralls are normally suitable. Personal should wear antistatic clothing's made of natural fiber or of high temperature resistant synthetic fiber. All parts of body should be washed after contact.				
9.	<b>PHYSICAL AND CHEMICAL PROPERTIES</b>					
	<b>Form</b>	liquid				
	<b>Color</b>	Silver metallic				
	<b>Odour</b>	like solvents				
		<b>Value</b>	<b>Unit</b>	<b>Method</b>		
	<b>Boiling point</b>	> 120	°C			
	<b>Flash point</b>	> 45	°C			
	<b>Viscosity</b>	app. 400	mPas	(23 °C)		
	<b>Density</b>	app. 0,94	g/cm³	(23 °C)		
	<b>pH-Value</b>	--	1:1 in water			
	<b>Content of solvent</b>	< 90	Weight-%			
	<b>Explosion limit</b>	Lower	2,3	Upper	12,5	Vol.-% (solvent)
	<b>Solubility in water</b>	Not miscible			at 23 °C	
10.	<b>STABILITY AND REACTIVITY</b>					
	<b>STABILITY</b>	Stable under the recommended storage and handling conditions (see Section 7).				
	<b>CONDITIONS TO AVOID</b>	Keep away from oxidizing agents and strongly alkaline and strongly acids to prevent the possibility of exothermic reaction.				
	<b>DANGEROUS PRODUCTS OF DECOMPOSITION</b>	In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produce.				
11.	<b>TOXICOLOGICAL INFORMATION</b>					
	There is no data available on the product itself. It is formulated within the SBPIM's guidelines on materials for exclusion from printing inks and varnishes. Exposure to organic solvent vapors may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects on the rental and central nervous systems. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness. Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eyes may cause irritation and reversible local damage.					
12.	<b>ECOLOGICAL INFORMATION</b>					
	There is no data available on the product itself. The product should not be allowed to enter drains or watercourses or be deposited where it can affect ground or surface waters. The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to the use of this product.					
13.	<b>DISPOSAL CONSIDERATIONS</b>					
	<b>WASTE KEYS</b>	VeVA-code	<b>080312</b>	Country	Switzerland	
		Waste key (acc.TA-Abfall)	<b>080312</b>	Country	EC	
	<b>PACKAGING</b>	The container and packaging materials are recyclable according to the local prescriptions and regulations				
DO NOT ALLOW INTO DRAINS OR WATER COURSES OR DISPOSE OF WHERE GROUND OR SURFACE WATERS MAY BE AFFECTED. WASTES, INCLUDING EMPTIED CONTAINERS, ARE CONTROLLED WASTES AND SHOULD BE DISPOSED OF IN ACCORDANCE WITH REGULATIONS MADE UNDER THE CONTROL OF POLLUTION ACT AND THE ENVIRONMENTAL PROTECTION ACT.						

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Page 4 of 4

14.	TRANSPORT INFORMATIONS									
	<b>Transport within the user's premises:</b> Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of accident or spillage. Transport only according to the transport regulations for road (ADR), rail (RID), sea (IMDG) and air (ICAO/IATA).									
	LAND TRANSPORT ADR/RID + GGVS/GGVE		UN-NUMBER TRANSP. DESIGNATION ADR/RID-CLASS		1210 PRINTING INK 3 III					
	MARITIME TRANSPORT IMDG/GGVSEA		UN-No EMS-No.		1210 F-E, S-D		WARNING SIGN IMO-CLASS		3 3	
	AIR TRANSPORT ICAO/IATA		MARINE POLLUTANT TRANSP. DESIGNATION UN-No.		NO PRINTING INK 1210		IATA/ICAO		3 WARNING SIGN 3	
			PACKAGING GROUP TRANSP. DESIGNATION		III PRINTING INK					
15.	REGULATORY INFORMATION									
	CLASSIFICATION ACCORDING TO EEC DIRECTIVES									
	DANGER SYMBOL		-							
	DANGER DESIGNATION									
	HAZARD DETERMINING		1-Methoxy-2-propylalcohol							
	COMPONENTS OF LABELLING									
	R-PHRASES 10		Flammable							
	S-PHRASES 2		Keep out of the reach of children							
	16		Keep away from sources of ignition – No smoking							
	24/25		Avoid contact with skin and eyes							
	33		Take precautionary measures against static discharges							
	CLASSIFICATION ACCORDING TO BAG (SWITZERLAND) AND GERMAN DIRECTIVES									
	CH-SZID		See also label							
	LUFTREINHALTEVERORDNUNG		LRV-class		1 %		2 %		3 < 90 %	
	IMMISSIONSSCHUTZ		TA-Luft		I %		II %		III < 90 %	
	BRANDSCHUTZ		VbF-class		III		BVD-class		N.E.	
	WASSERHAUSHALT		WGK		(self-assessment)		1			
	THE INFORMATION CONTAINED IN THIS SAFETY DATA SHEET DOES NOT CONSTITUTE THE USER'S OWN ASSESSMENT OF WORKPLACE RISKS AS REQUIRED BY OTHER HEALTH AND SAFETY LEGISLATIONS. THE PROVISION OF THE HEALTH AND SAFETY AT WORK ETC. ACT AND THE CONTROL SUBSTANCES HAZARDOUS TO HEALTH REGULATIONS APPLY TO THE USE OF THIS PRODUCT AT									
16.	OTHER INFORMATIONS									
	R-Phrases (see also Section 15)									
	R 10		Flammable							
	R 15		Contact with water liberates extremely flammable gases							
	R 36		Irritating to eyes							
	R 38		Irritating to skin							
THE INFORMATION CONTAINED IN THIS SAFETY DATA SHEET IS PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF THE CHIP REGULATIONS. THE PRODUCT SHOULD NOT BE USED FOR PURPOSES OTHER THAN THOSE SHOWN IN SECTION 1 WITHOUT FIRST REFERRING TO THE SUPPLIER AND OBTAINING WRITTEN HANDLING INSTRUCTIONS. AS THE SPECIFIC CONDITIONS OF USE OF THE PRODUCT ARE OUTSIDE THE SUPPLIER'S CONTROL, THE USER IS RESPONSIBLE FOR ENSURING THAT THE REQUIREMENTS OF RELEVANT LEGISLATION ARE COMPLIED WITH. THE INFORMATION CONTAINED IN THIS SAFETY DATA SHEET IS BASED ON THE PRESENT STATE OF KNOWLEDGE AND CURRENT NATIONAL LEGISLATION. IT PROVIDES GUIDANCE ON HEALTH, SAFETY AND ENVIRONMENTAL ASPECTS OF THE PRODUCT AND SHOULD NOT BE CONSTRUED AS ANY GUARANTEE OF TECHNICAL PERFORMANCE OR SUITABILITY FOR PARTICULAR APPLICATIONS.										