

SAFETY DATA SHEET

No.: 00970/RG/E

According to 91/155/EWG

Serie 140-20004/14

Date of issue / revised : 08-12-2005

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1.	IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY				
	TRADE NAME SERIE 140-20004/14				
	INTENDED USE INKJET-VORDRUCKLACK				
	MANUFACTURER PRINTCOLOR SCREEN LTD. CH-8965 BERIKON				
	TEL ++41-(0)56-648 85 85 FAX ++41-(0)56-648 85 00				
	EMERGENCY INFORMATION TELEPHONE NUMBER ++41-(0)44-25151 51				
2.	COMPOSITION / INFORMATION ON INGREDIENTS				
	CHEMICAL CHARACTERISTICS OF PRODUCT: SYNTHETIC RESINS IN WATER AND LESS THAN 5 % BY WEIGHT SOLVENTS				
	2.2 SUBSTANCES PRESENTING A HEALTH HAZARD WITHIN THE MEANING OF GUIDE-LINES No.67/548/EC OR ASSIGNED OCCUPATIONAL EXPOSURE LIMITS				
	CAS-No..	DESIGNATION ACCORDING TO EC GUIDE-LINES	CONCENTRATION	DANGERSYMBOL	R-PHRASES (*)
	872-50-4	M-PYROL	< 5	Xi	36/38
	(*) CLEAR TEXT OF R-PHRASES SEE SECTION 15				
3.	HAZARDS IDENTIFICATION				
	DANGER SIGN NONE				
	THE PRODUCT IS NOT CLASSIFIED AS DANGEROUS ACCORDING TO THE CHIP-REGULATIONS				
4.	FIRST AID MEASURES				
	GENERAL	In all cases of doubt or if symptoms persist, take medical advice. Never give anything by mouth to an unconscious person; call a physician. Remove all contaminated clothing.			
	INHALATION	Remove to fresh air, keep the patient warm and at rest. If breathing has stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.			
	SKIN CONTACT	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. DO NOT USE SOLVENTS OR THINNER.			
	EYE CONTACT	Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.			
	INGESTION	If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.			
5.	FIRE FIGHTING MEASURES				
	EXTINGUISHING MEDIA				
	RECOMMENDED	Alcohol resistant foam, CO ₂ , powder, water spray/mist			
	EXTINGUISHING MEDIA NOT SUITABLE	Waterjet			
	SPECIAL PROTECTION	Appropriate breathing apparatus may be required			
	RECOMMENDATIONS	Fire will produce dense black smoke containing hazardous products of combustion (see Section 10). Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.			

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6.	ACCIDENTAL RELEASE MEASURES			
	PERSONAL PRECAUTIONS	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 airborne concentrations higher than the occupational exposure limits. 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	Exclude sources of heat, sparks and open flames		
	STORAGE			
	REQUIREMENTS FOR STORAGE ROOMS AND CONTAINERS	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
	872-50-4	M-PYROL	400	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 occupationalexposure limits.			
	PERSONAL PROTECTION			
	RESPIRATORY PROTECTION	If exposure to hazardous substances identified above cannot be controlled by the provision of local exhaust ventilation and good general extraction, suitable respiratory protective equipment should be worn.		
	SKIN PROTECTION	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		
	EYE PROTECTION	Safety glasses as protection against splashes of water-solvents mixtures should be worn.		
	BODY PROTECTION	Cotton or cotton/synthetic overalls or coveralls are normally suitable. Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of body should be washed after contact.		

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9.	PHYSICAL AND CHEMICAL PROPERTIES						
	Form	Pasty to liquid					
	Color	Transparent, light milky					
	Odour	specific					
		Value	Unit	Method			
	Boiling point	> 100	°C				
	Flash point	n.a.	°C				
	Viscosity	12000	mPas	(23 °C)			
	Density	1,01	g/cm³	(23 °C)			
	pH-Value	ca. 8					
	Content of solvent	< 5	Weight-%				
	Explosion limit	Lower	n.a.	Upper	n.a.	Vol.-% (solvent)	
	Solubility in water	completely					at 23 °C
10.	STABILITY AND REACTIVITY						
	STABILITY	Stable under the recommended storage and handling conditions (see Section 7).					
	CONDITIONS TO AVOID	Keep away from oxidizing agents and strongly alkaline and strongly acids to prevent the possibility of exothermic reaction.					
	DANGEROUS PRODUCTS OF DECOMPOSITION	In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produce.					
11.	TOXICOLOGICAL INFORMATION						
	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 renal 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.	ECOLOGICAL INFORMATION						
	There is no data available on the product itself. The product should not be allowed to enter drains or water courses 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.	DISPOSAL CONSIDERATIONS						
	WASTE KEYS	VVS-Code	080307	Country	Switzerland		
			080307	Country	EC		
	PACKAGING	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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14.	TRANSPORT INFORMATION			
	Declarations according to the transport regulations for road (ADR), rail (RID), sea (IMO) and air (ICAO / IATA) transport. NOT RESTRICTED !!			
	LAND TRANSPORT	UN Number	:	ADR-Class
		Transp. Designations: Package group :		
	MARITIME TRANSPORT	UN Number	:	IMO-Class EmS-Nr.
		Transp. Designations Package group Warning Marine pollutant		
	AIR TRANSPORT	UN Number	:	IATA/ICAO-Class
		Transp. Designations Package group		
15.	REGULATORY INFORMATION			
	CLASSIFICATION ACCORDING TO EEC DIRECTIVES			
	DANGER SYMBOL	None		
	DANGER DESIGNATION	None		
	HAZARD DETERMINING COMPONENTS OF LABELLING			
	R-PHRASES	---		
	S-PHRASES	20/21 24/25	When using do not eat, drink and smoke Avoid contact with skin and eyes	
	CLASSIFICATION ACCORDING TO BAG (SWITZERLAND) AND GERMAN DIRECTIVES			
	CH-GIFTGESETZGEBUNG	See also label		
	LUFTREINHALTEVERORDNUNG	LRV-class	1 %	2 %
	IMMISSIONSSCHUTZ	TA-Luft	I %	II %
	BRANDSCHUTZ	VbF-class	N.E.	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 WORK.			
16.	OTHER INFORMATION			
	R-Phrases 36/38 Irritating to eyes and 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.				