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1.	IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY						
	TRADE NAME		SERIE 500-GL				
	INTENDED USE		HARDENER FOR UV-INKS, SPEC. SERIES 540 ON GLASS				
	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)1-2515151				
2.	COMPOSIT	ION / INFOR	RMATION ON INGREDIE	NTS			
	2.1 CHEMICA	2.1 CHEMICAL CHARACTERISTICS OF PRODUCT: ISOCYANATE, SOLVENT FREE					
		2.2 SUBSTANCES PRESENTING A HEALTH HAZARD WITHIN THE MEANING OF GUIDE-LINES NO.67/548/EC OR ASSIGNED OCCUPATIONAL EXPOSURE LIMITS					
	CAS-No		ACCORDING TO EC GUIDE-LINES	CONCENTRATION WEIGHT-%	DANGERSYMBOL LETTER	R-PHRASES (*)	
	822-06-0	HEXAMETHYLE	NE-1,6-DIISOCYANATE	< 0,15	Т	23-36/37/38-42/43	
	(*) CLEAR TEX	T OF R-PHRASE	S SEE SECTION 16	1	1		
3.	HAZARDS		TION				
	DANGER SIGN SPECIAL DANGER ADVICE FOR PERSONS AND ENVIRONMENT		FREE Contains Isocyanates - See Section 15				
4.	FIRST AID	MEASURES	6				
	General		In all cases of doubt or if symptoms persist, take medical advice. Never give anything by mouth to an unconscious person; call a physican. Immediately 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 ba 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 skincleaner. 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 swaalowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.				
5.	FIRE FIGHTING MEASURES						
	EXTINGUISHIN	IG MEDIA					
	RECOMMENDED		Alcohol resistant foam, CO ₂ , powder, water spray/mist				
	EXTINGUISHIN NOT SUITABL		Waterjet, exothermic reaction with water possible				
	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 fighthing to enter drains or water courses.				

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6.	ACCIDENTAL RE	ACCIDENTAL RELEASE MEASURES						
	PERSONAL PRECAUTI ENVIRONMENTAL PRECAUTIONS	Avoid breathing vapours. Refer to protective measures listed in Sections 7 and	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. 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 CLEAN UP / COLLECTING	Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container. The contaminated area should be cleaned up immediately with a suitable decontaminant. One possible (flammable) decontaminant comprises: Water (45 parts by volume)/ethanol or isopropanol (50 parts)/conc. (d:0.880) ammonia solution (5 parts). A non-flammable alternative is sodium carbonate (5 parts)/water (95 parts). Add the same decontaminant to any residues and allow to stand for several days in a non-sealed container until no further reaction occurs. once this stage is reached, close the container and dispose of in accordance with the waste regulations (see Section 13). Do not allow to enter drains or water courses.						
7.	HANDLING AND STORAGE							
	Handling							
	INFORMATION FOR SA 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. Electrica 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 protective and safety instructions.						
	INFORMATION ABOUT PROTECTION AGAINST EXPLOSIONS AND FIR	Vapours are heavier than air and may sread 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 COMBINE STORAGE	Store seperately from strong acid and alkaline materials as well as from oxidizing agents, amines, alcohols and water.						
	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.						
3.	EXPOSURE CONTROL / PERSONEL PROTECTION							
	ENGINEERING MEAS	URES						
	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).							
		ITICAL VALUES THAT REQUIRE MONITORING AT THE WORKPLACE (EXPOSURE LIMI	TS)					
	i i i i i i i i i i i i i i i i i i i	DESIGNATION ACCORDING TO EC GUIDE-LINES Occupational Exposure Limits AMETHYLENE-1,6-DIISOCYANATE 0,005	Unit ppm					
		been taken from the valid list (f.e.TRGS 900) of the Federal Republic of Germany or vitzerland regarding occupationalexposure limits.	from the					

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	PERSONAL PROTECTION					
	RESPIRATORY PROTECTION	If the solvent vapour concentration exceed the exposure limits, the use of breathin apparatus is practical or necessary (breathing protection measures)				
	SKIN PROTECTION Use protective gloves, e.g. Neoprene. At lasting or repeated contact of the product with the skin, use protecting emulsions. Observe recommendations of the manufacture After washing hands replace lost skin fat by fat containing skin creams					
	EYE PROTECTION Safety glasses as protection against splashes of solvents should be worn.					
	BODY PROTECTION	Cotton or cotton/synthetic overalls or coveralls are normally suitable. Personal shoul				
	wear antistatic clothings made of natural fiber or of high temperature resistant sy fiber. All parts of body should be washed after contact.					
Э.	PHYSICAL AND CHEMICAL PROPERTIES					
		liquide				
		transparent				
	Odour	without smell				
		Value Unit Method				
	Boiling point	> 250 °C				
	Flash point	> 150 °C				
	Viscosity	3250 mPas (23°C)				
	Density pH-Value	1,150 g/cm³ (23°C) n.a.				
	Content of solvent	0 Weight-%				
	Explosion limit	Lower n.a. Upper n.a. Vol% (solvent)				
	Solubility in water	Reaction with water at 23 °C				
0.	STABILITY AND REACTIVITY					
	Stable under the recommended storage and handling conditions (see Section 7).					
	CONDITIONS TO AVOID	Keep away from oxidising agents and strongly alkaline and strongly acids to prevent the possibility of exothermic reaction. Uncontrolled exothermic reactions occur with amines and alcohols. The product reacts slowly with water resultiong in evolution of carbonic dioxide. In closed containers, pressure build up could result in distortion, blowing and in extreme cases bursting of the container.				
	DANGEROUS PRODUCTS OF DECOMPOSITION	In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbo 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 printing inks and varnishes. Exposure to organic solvent vapours may result in adverse health effects such as irritation mucous membrane and the respiratory system and adverse effects on the rental and central nervous systems. Syn include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme casas loss of conscious Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-contact dermatitis and absorption through the skin. Splashes in the eyes may cause irritation and reversible local dama					
12.	ECOLOGICAL INFOR	MATION				
	There is no data available on the product itself. The product should not be allowed to enter drains or water courses or deposited where it can affect ground or surface waters. The Air Pollution Control requirements of regulations made under Environmental Protection Act may apply to the use of this product.					
13.	DISPOSAL CONSIDERATIONS					
	WASTE KEYS VVS-code 1640 Country Switzerland					
		key (acc.TA-Abfall) 080302 Country EC intainer and packaging materials are recycable according to the local prescriptions an ons				
Оо оо		DURSES OR DISPOSE OF WHERE GROUND OR SURFACE WATERS MAY BE AFFECTED. WASTES, INCLUDING				

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14.	. TRANSPORT INFORMATIONS							
	Declarations according to the transport regulations for road (ADR), rail (RID), sea (IMO) and air (ICAO / IATA) transport. NOT RESTRICTED !!							
	LAND TRANSPORT	UN Number : Transp. Designations: Package group	ADR-Class					
	MARITIME TRANSPORT	UN Number : Transp. Designations Package group	IMO-Class Warning	EmS-Nr.				
	AIR TRANSPORT	Marine pollutant UN Number Transp.Designations	IATA/ICAO-Class					
	D	Package group						
15.	REGULATORY INFORMATION							
_	DANGER SYMBOL DANGER DESIGNATION HAZARD DETERMINING COMPONENTS OF LABE	Isocyanates	,					
	R-PHRASES							
	S-PHRASES20/21When using don't eat, drink or smoke24/25Avoid contact with skin and eyes51Use only in well-ventilated areas							
	CH-GIFTGESETZGEBUNG LUFTREINHALTEVERORD IMMISSIONSSCHUTZ BRANDSCHUTZ WASSERHAUSHALT	NUNG LRV-class 1 TA-Luft I VbF-class NO WGK (self-asses	614300 See % 2 % II BVD-class N sment) CH 3 B	also label % 3 % % III % .E. IRD 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 INFORMAT	IONS						
	-	nhalation e sensitization by inhalation a o eyes, respiratory system an						
REGUL REFER ARE OU ARE CO CURRE	LATIONS. THE PRODUCT SHO RING TO THE SUPPLIER AND C UTSIDE THE SUPPLIER'S CONT OMPLIED WITH. THE INFORMA ENT NATIONAL LEGISLATION.	DULD NOT BE USED FOR PURPOSE DBTAINING WRITTEN HANDLING INSTR ROL, THE USER IS RESPONSIBLE FO TION CONTAINED IN THIS SAFETY D	ES OTHER THAN THOSE SHO PUCTIONS. AS THE SPECIFIC C R ENSURING THAT THE REQUII ATA SHEET IS BASED ON THE F I, SAFETY AND ENVIRONMENT	THE REQUIREMENTS OF THE CHIP WWN IN SECTION 1 WITHOUT FIRST ONDITIONS OF USE OF THE PRODUCT REMENTS OF RELEVANT LEGISLATION PRESENT STATE OF KNOWLEDGE AND TAL ASPECTS OF THE PRODUCT AND ARTICULAR APPLICATIONS.				