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1.	IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY								
	TRADE	NAME	SERIE 600-HDS						
	INTENDED USE		HARDENER FOR 2-COMPONENT SCREEN PRINTING INKS						
	MANUFAC	TURER	PRINTCOLOR SCREEN LTD. CH-8965 BERIKON TEL ++41-(0)56-648 85 85 FAX ++41-(0)56-648 85 00						
	EMERGENCY I	NFORMATION	TELEPHONE NUMBER ++4	1-(0)44-251 51 5	51				
2.	COMPOSIT	COMPOSITION / INFORMATION ON INGREDIENTS							
	2.1 CHEMICA	AL CHARACTEI	RISTICS OF PRODUCT: ISOCY	ANATE, 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-NoDesignation A822-06-0HEXAMETHYLE		ACCORDING TO EC GUIDE-LINES	CONCENTRATION WEIGHT-%	DANGERSYMBOL LETTER	R-PHRASES (*)			
			ENE-1,6-DIISOCYANATE	< 0,15	Т	23-36/37/38-42/43			
	28182-81-2	Aliphatic Poly	isocyanate	~100	Xi	43			
	(*) CLEAR TEX	T OF R-PHRASE	ES SEE SECTION 15 AND 16						
3.	HAZARDS	IDENTIFICA	TION						
	DANGER SIGN	1	XI						
	SPECIAL DANG		May cause sensitization by	y skin contact					
	FOR PERSONS ENVIRONMENT								
4.		MEASURES	6						
	GENERAL In all cases of doubt or if symptoms persist, take me by mouth to an unconscious person; call a ph 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 CONTAC	т	Remove contaminatedclothing. 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								
	EXTINGUISHING MEDIA								
	RECOMMENDED Alcohol resistant foam, CO ₂ , powder, water spray/mist								
	EXTINGUISHING MEDIA								
	NOT SUITABLE Waterjet, exothermic reaction with water possible								
	SPECIAL PRO		Appropriate breathing appara			aduate of combustion			
	RECOMMENDATIONS Fire will produce dense black smoke containing hazardous products of combust (see Section 10). Decomposition products may be a hazard to health. Appropriate s contained breathing apparatus may be required. Cool closed containers exposed fire with water spray. Do not allow run-off from fire fighthing to enter drains or wa courses.					ealth. Appropriate self- containers exposed to			

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6.	ACCIDENTAL RELEAS	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. 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 SAFE HANDLING	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 sread along floors. They may form explosiv mixtures in combination with air. Preparations may charge electrostatically: Alway use earthing leads when transferring from one container to another.						
	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, 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.						
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)							
	822-06-0 HEXAMETH	ATION ACCORDING TO EC GUIDE-LINES HYLENE-1,6-DIISOCYANATE Polyisocyanate	OCCUPATIONAL EXPOSURE LIMITS 0,005 	DNIT ppm 				
		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.						

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ATORY TION OTECTION						
	ION Use protective gloves, e.g. Neoprene. At lasting or repeated contact of the with the skin, use protecting emulsions. Observe recommendations manufacturer. After washing hands replace lost skin fat by fat containing skin c					
OTECTION	Safety glasses as protection against splashes of solvents should be worn.					
ROTECTION						
PHYSICAL AND CHEMICAL PROPERTIES						
Form liquide						
	transparent					
	without smell					
	Value Unit Method					
point oint	> 250 ℃ > 150 ℃					
oint ty	app.3000 mPas (23℃)					
L y	$1,13 \text{ g/cm}^3$ (23°C)					
ie	n.a.					
t of solvent	0 Weight-%					
on limit	Lower n.a. Upper n.a. Vol% (solvent)					
ty in water	Reaction with water at 23 °C					
STABILITY AND REACTIVITY						
ГҮ	Stable under the recommended storage and handling conditions (see Section 7).					
ONS TO AVOID	ND 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.					
OUS PRODUCT	In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produce.					
TOXICOLOGICAL INFORMATION						
There is no data available on the product itself. It is formulated within the SBPIM's guidelines on materials for exclusion fror printing inks and varnishes. Exposure to organic solvent vapours may result in adverse health effects such as irritation of th mucous membrane and the respiratory system and adverse effects on the rental and central nervous systems. Symptom include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme casas loss of consciousness. Repeate 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.						
ECOLOGICAL INFORMATION						
There is no data available on the product itself. The product should not be allowed to enter drains or water courses of 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.						
DISPOSAL CONSIDERATIONS						
	-code 1640 Country Switzerland					
Keys VVS						
SA		YS VVS-code 1640 Country Switzerland				

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14.	TRANSPOR		TIONS								
	Transport within the user's premises: 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). No dangerous good following transport regulations!										
	LAND TRANSPO ADR/RID + GO		UN-NUMBER PACKAGING GROUP VG: III TRANSP. DESIGNATION ADR/RID-CLASS ADR/RID-LETTER								
	MARITIME TRANSPORT IMDG/GGVSEA		IMDG-CLASS EMS-NO. MARINE POLLUTANT				UN-No.:		WARNING SIGN		
	AIR TRANSPOR ICAO/IATA	Т	TRANSP. DESIC IATA/ICAO-CL PACKAGING GR TRANSP. DESIC	GNATION ASS OUP		UN-No	.:	WARNING	G SIGN		
15.	REGULATORY INFORMATION										
	CLASSIFICATION ACCORDIN DANGER SYMBOL DANGER DESIGNATION HAZARD DETERMINING COMPONENTS OF LABELLING		Xi Irritant Isocyanates	ECTIVES							
	R-PHRASES	43	May cause se	ensitizatior	by skin c	ontact					
	S-PHRASES	20/21When using don't eat, drink or smoke24/25Avoid contact with skin and eyes51Use only in well-ventilated areas									
	P-PHRASES										
			<u>G TO BAG (Switzerla</u>		ND) AND GERMAN DIRECTIVE See also la						
	CH-GIFTGESETZGEBUNG LUFTREINHALTEVERORDNUNG IMMISSIONSSCHUTZ BRANDSCHUTZ		LRV-class TA-Luft VbF-class	1 NO	% % B\	2 II ′D-class	% N.E.	3 III	% %		
	WASSERHAUSHALT			f-assessm		H 3	BRD 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 INFORMATIONS										
	23 To: 36/37/38 IRR 42/43 MA	Y CAUSE SINSIT	,	ATION AND		-ACT					
Regui to the the si with. Nation	NFORMATION CONT LATIONS. THE PROE E SUPPLIER AND OB JPPLIER'S CONTROI THE INFORMATION NAL LEGISLATION. I	AINED IN THIS SA DUCT SHOULD NOT TAINING WRITTEN L, THE USER IS RES CONTAINED IN TH T PROVIDES GUIDA	FETY DATA SHEET BE USED FOR PURP HANDLING INSTRUCT SPONSIBLE FOR ENS HIS SAFETY DATA S NCE ON HEALTH, SA CAL PERFORMANCE	T IS PROVIDE POSES OTHER TIONS. AS TH SURING THAT SHEET IS BA	THAN THOS E SPECIFIC THE REQUIN SED ON TH	GE SHOWN I CONDITION REMENTS O E PRESENT FAL ASPECT	N SECTION 1 S OF USE OF T F RELEVANT L STATE OF P S OF THE PRO	WITHOUT FIF THE PRODUC LEGISLATION (NOWLEDGE	RST REFERRING T ARE OUTSIDE ARE COMPLIED AND CURRENT		