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§			_				
1.	IDENTIFICATION OF SUBSTANCE, PREPARATION AND COMPANY						
	TRADE	NAME	SERIES 700-HDR				
	INTENDED USE		HARDENER FOR 2-COMPONENT PAD PRINTING INKS				
	MANUFAC	CTURER	Printcolor Screen LTD. Deco Technology Group TEL 714-639-3326 FAX 714-639-2261 TEL FRUONE NUMBER 200 F35 F0F3				
2.			TELEPHONE NUMBER 800-535-5053 RMATION ON INGREDIENTS				
	2.1 CHEMIC	2.1 CHEMICAL CHARACTERISTICS OF PRODUCT: POLYISOCYANATES					
	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 A	CCORDING TO EC GUIDE-LINES	CONCENTRATION WEIGHT-%	DANGER SYMBOL LETTER	R-Phrases (*)	
	822-06-0		IE-1,6-DIISOCYANATE	< 0,15	Т	23-36/37/38-42/43	
	 (*) CLEAD TE	ALIPHATIC POLY		>99	Χı	43	
3.		(*) CLEAR TEXT OF R-PHRASES SEE SECTION 15 AND 16 HAZARDS IDENTIFICATION					
	DANGER SIG	:NI	XI IRRITANT			<u> </u>	
		NGER ADVICE	May cause sensitizaytion I	by skin contact			
	FOR PERSONS AND - Contains Isocyanates -						
	ENVIRONMENT						
4.	FIRST AID	FIRST AID MEASURES					
	GENERAL In all cases of doubt or if symptoms persist, take medical advice. Never of by mouth to an unconscious person; call a physican. Immediately 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 w proprietary skincleaner. DO NOT USE SOLVENTS OR THINNER.						
	EYE CONTACT Contact lenses should be removed. Irrigate copiously with clean, fresh water 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 FIGH	HTING MEAS	URES				
	EXTINGUISH	ING M EDIA					
	RECOMMEN	DED	Alcohol resistant foam, CO ₂ ,	powder, water spr	ay/mist		
	EXTINGUISHING MEDIA NOT SUITABLE Waterjet, exothermic reaction with water possible						
	SPECIAL PROTECTION		Appropiate 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 secontained 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 wat courses.			ealth. Appropriate self- containers exposed to			

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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.

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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

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 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 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)					
CAS-No.	DESIGNATION ACCORDING TO EC GUIDE-LINES	OCCUPATIONAL EXPOSURE LIMITS	Unit		
822-06-0	HEXAMETHYLENE-1,6-DIISOCYANATE	0,005	ppm		
	Aliphatic polyisocyanate				

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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PERSONAL PROTECTION If the solvent vapour concentration exceed the exposure limits, the use of breathing RESPIRATORY apparatus is practical or necessary (breathing protection measures) **PROTECTION** Use protective gloves, e.g. Neoprene. At lasting or repeated contact of the product SKIN PROTECTION

> 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 solvents 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.

PHYSICAL AND CHEMICAL PROPERTIES 9.

Form liquide Color transparent Odour like solvents

Value Unit Method

Boiling point > 250 °C Flash point > 150 °C

Viscosity app.3500 mPas (23°C) **Density** 1,15 g/cm³ (23°C)

pH-Value 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

STABILITY AND REACTIVITY 10.

Stable under the recommended storage and handling conditions (see Section 7). **STABILITY**

Keep away from oxidising agents and strongly alkaline and strongly acids to prevent the **CONDITIONS TO AVOID**

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.

In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon **DANGEROUS PRODUCTS**

dioxide and oxides of nitrogen may be produce. OF DECOMPOSITION

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 vapours 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, fatique, muscular weakness, drowsiness and in extreme casas 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 VeVA-code 080501 Country Switzerland

080501 EC Waste key (acc.TA-Abfall) Country

The container and packaging materials are recycable according to the local prescriptions and **PACKAGING** 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 INFO	RMATIONS						
	Declarations according to the transport regulations for road (ADR), rail (RID), sea (IMO) and air (ICAO / IATA) transport. No dangerous good							
	LAND TRANSPORT	UN Number :						
		Transp. Designations:						
		Package group :						
	MARITIME TRANSPORT	UN Number :						
		Transp. Designations						
		Package group						
	Marine pollutant							
AIR TRANSPORT UN Number :								
	Transp.Designations							
		Package group						
15.	5. REGULATORY INFORMATION							
	CLASSIFICATION ACCORDING TO EEC DIRECTIVES							
	DANGER SYMBOL Xi Irritant							
	DANGER DESIGNATION							
	HAZARD DETERMINING	Isocyanates						
	COMPONENTS OF LAB	ELLING						
	R-PHRASES 43 May cause sensitization by skin contact							
	S-PHRASES 20/21 24/25	When using don't eat, drink or smoke Avoid contact with skin and eyes						
CLASSIFICATION ACCORDING TO BAG (SWITZERLAND) AND GERMAN DIRECTIVES								
	CH-SZID See also label							
	LUFTREINHALTEVERORD		%					
	IMMISSIONSSCHUTZ	TA-Luft I % II % III	%					
	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 WORKPL							
	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.								
	R-Phrases							
		nhalation						
	R 23 Toxic by inhalation R 36/37/38 Irritating to eyes, respiratory system and skin							
	R 42/43 May cause sensitization by inhalation and skin contact							
	The state of the s							

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.

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