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TRADE NAME SERIE 278-017 INTENDED USE DILUANT FOR SCREEN PRINTING INK MANUFACTURER PRINTCOLOR SCREEN LTD. CH-8965 BERI Tel. ++41-(0)56-648 85 85 FAX ++41-(0)56-66 EMERGENCY INFORMATION TELEPHONE NUMBER ++41-(0)44-251 51 51 2. COMPOSITION / INFORMATION ON INGREDIENTS 2.1 CHEMICAL CHARACTERISTICS OF PRODUCT: MIXTURE OF SOLVENTS 2.2 SUBSTANCES PRESENTING A HEALTH HAZARD WITHIN THE MEANING OF GUIDE-LINI ASSIGNED OCCUPATIONAL EXPOSURE LIMITS CAS-No DESIGNATION ACCORDING TO EC GUIDE-LINES CONCENTRATION DANGERS (WEIGHT-% LETTE 54839-24-6 1-Ethoxy-2-propylacetat > 60 - 7397-62-8 Butylhydroxyacetat > 60 - 7397-62-8 Butylhydroxyacetat < 20 Xi 112-34-5 2-(2-Butoxyethoxy)ethanol < 10 Xi (*) CLEAR TEXT OF R-PHRASES SEE SECTION 15 AND 16 3. HAZARDS IDENTIFICATION DANGER SIGN XI IRRITANT SPECIAL DANGER ADVICE FOR PERSONS AND ENVIRONMENT 4. FIRST AID MEASURES GENERAL In all cases of doubt or if symptoms persist, take medical adviby mouth to an unconscious person; call a physican. In contaminated clothing. INHALATION Remove to fresh air, keep the patient warm and at rest. If administer artificial respiration. Give nothing ba mouth. If un recovery position and seek medical advice.	18 85 ES N O			
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0.000 0.000 0.000				
	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skincleaner. DO NOT USE SOLVENTS OR THINNER.			
least 10 minutes, holding the eyelids apart, and seek medical a	Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.			
Induce vomiting.	Keep	at rest. Do NOT		
5. FIRE FIGHTING MEASURES	FIRE FIGHTING MEASURES			
EXTINGUISHING MEDIA RECOMMENDED Alcohol resistant foam, CO ₂ , powder, water spray/mist	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 (see Section 10). Decomposition products may be a hazard to be contained breathing apparatus may be required. Cool closed fire with water spray. Do not allow run-off from fire fighthing to courses.	nealth. conta	Appropriate self- iners exposed to		

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6.	ACCIDENTAL RELEASE MEASURES						
	PERSONAL PRECAUTIONS ENVIRONMENTAL 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.				
			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 CI UP / COLLECTING		Contain and collect spillages with non-co earth, vermiculite, diatomaceous earth and accordance with the waste regulations (see	place in a suitable container for d			
7.	HANDLING AND STORAGE						
	HANDLING						
	INFORMATION FOR SAFE HANDLING		Prevent the creation of flammable or exp avoid vapour concentrations exceeding the the product should only be used in areas fire and other sources of ignition. The p Electrical equipment should be protected other containers, only ground mains sho antistatic clothing and foot wear. Use spark skin. Smoking, eating and drinking should For personal protection see Section 8. Follow	e occupational exposure limits. In which have been cleared from distroduct may charge itself electroproperly. When pouring the prould be used. It is recommended proof tools. Avoid any contact with be prohibited in areas of storage	Moreover, rect light, statically. duct into to wear h eyes or and use.		
	PROTECTION AGA EXPLOSIONS AND	AINST	Vapours are heavier than air and may sre mixtures in combination with air. Prepara use earthing leads when transferring from c	tions may charge electrostatically			
	STORAGE						
	REQUIREMENTS FOR STORAGE ROOMS AND CONTAINERS		Electrical equipment should be protected to of the conducting type. Keep container tig Container is not a pressure vessel. No Containers which are opened must be car leakage. No ressurized container.	ghtly closed. Never use pressure smoking. Prevent unauthorized	to empty: I access.		
	ADVICE FOR COM STORAGE	IBINED	Store seperately from strong acid and all agents.	kaline materials as well as from	oxidizing		
	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 C	ONTROL	/ Personel Protection				
	ENGINEERING MEASURES						
	Provide adequate ventilation. Where reasonably practicable this should be achieved by use of local exhaust ventilation good general extration. If these are not sufficient to maintain concentrations of particulates and/or solvent vapours below 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.		ATION ACCORDING TO EC GUIDE-LINES	OCCUPATIONAL EXPOSURE LIMITS	Unit		
	54839-24-6		2-propylacetat	-	-		
	7397-62-8	Butylhydro		-	-		
	112-34-5	∠-(≥-Buto)	yethoxy)ethanol	20	ppm		

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SUVA/Switzerland regarding occupational exposure limits.

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

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	PERSONAL PROT						
	RESPIRATORY PROTECTION	If the solvent vapour concentration exceed the exposure limits, the use of breathing 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 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.					
9.	PHYSICAL AND CHEMICAL PROPERTIES						
	Form	liquid					
	Color	colorless-transparent					
	Odour	specific, like solvents					
		Value Unit Method					
	Boiling point	> 155 °C					
	Flash point	> 50 °C Abel-Pensky					
	Viscosity	app. 10 mPas (23°C)					
	Density pH-Value	0,95 g/cm³ (23 ℃) n.a.					
	Content of solve						
	Explosion limit	Lower 1,5 Upper 9,5 Vol% (solvent)					
	Solubility in water						
0.	STABILITY AND REACTIVITY						
	STABILITY	Stable under the recommended storage and handling conditions (see Section 7).					
	CONDITIONS TO A	VOID Keep away from oxidising agents and strongly alkaline and strongly acids to prevent the possibility of exothermic reaction.					
	DANGEROUS PRO						
	OF DECOMPOSITION	·					
11.	Toxicological Information There is no data available on the product itself. It is formulated within the SBPIM's guidelines on materials exclusion from printing inks and varnishes. Exposure to organic solvent vapours may result in adverse health effect such as irritation of the mucous membrane and the respiratory system and adverse effects on the rental and cent nervous systems. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extremation 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 cours be deposited where it can affect ground or surface waters. The Air Pollution Control requirements of regulations under the Environmental Protection Act may apply to the use of this product.						
13.	DISPOSAL CO	NSIDERATIONS					
	WASTE KEYS	VeVA-code 070704 Country Switzerland					
	PACKAGING	Waste key 070704 Country EC The container and packaging materials are recycable according to the local prescriptions and					

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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 Informations						
	Declarations according to the transport regulations for road (ADR), rail (RID), sea (IMO) and air (ICAO / IATA) transport.						
	LAND TRANSPORT	UN Number : 1210 ADR-Class 3 (Sondervorschrift 640 E) Transp. Designations: Printing ink related material Package group : III					
	MARITIME TRANSPORT	UN Number: 1210 IMO-Class 3 EmS-Nr. F-E, S-D Transp. Designations Printing ink related material Package group III Warning 3 Marine pollutant no					
	AIR TRANSPORT	UN Number : 1210 IATA/ICAO-Class 3 Transp.Designations Printing ink related material					
		Package group III					
15.	REGULATORY INFORMATION						
_	DANGER SYMBOL DANGER DESIGNATION HAZARD DETERMINING COMPONENTS OF LABE	Xi Irritant LLING 1-Ethoxy-2-propylacetat; Butylhydroxyacetat					
	R-PHRASES 10 41	Flammable Risk of serious damage to eyes					
	S-Phrases 16 24/25 29 60	Keep away from sources of ignition – No smoking Avoid contact with skin and eyes Do not empty into drains This material and ist container must be disposed of as hazardous waste					
	CLASSIFICATION ACCORDING TO BAG (SWITZERLAND) AND GERMAN DIRECTIVES						
	CH-SZID LUFTREINHALTEVERORD IMMISSIONSSCHUTZ BRANDSCHUTZ WASSERHAUSHALT	See also label					
	THE INFORMATION CONTAINED IN THIS SAFETY DATA SHEET DOES NOT CONSTITUTE THE USER'S OWN ASSESSMENT OF WORKPI 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 INFORMAT						
	R-Phrases see also See 10 Flammable 36 Irritating to 41 Risk of seri						

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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