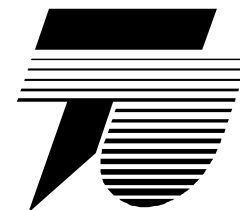


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6. ACCIDENTAL RELEASE MEASURES

- 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.
- 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

Vapour are heavier than air and may spread 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 separately 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 extraction. If these are not sufficient to maintain concentrations of particulates and/or solvent vapour 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	UNIT
1330-20-7	XYLENE	100	ppm
108-65-6	2-METHOXY-1-PROPYLENEACETATE	50	ppm
26471-62-5	2,4-/2,6-DIISOCYANAT-TOLUENE	0,01	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 occupational exposure limits.

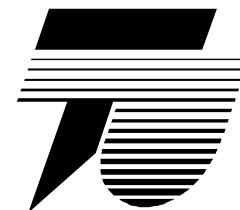
PERSONAL PROTECTION

RESPIRATORY PROTECTION

If the solvent vapour concentration exceed the exposure limits, the use of breathing apparatus is practical or necessary (breathing protection measures)

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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 clothing 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	liquide				
Color	transparent, light yellow				
Odour	like solvents				
	Value	Unit	Method		
Boiling point	> 135	°C			
Flash point	> 35	°C			
Viscosity	395	s (23°C)	DIN 53211		
Density	1,135	g/cm ³ (23°C)			
pH-Value	n.a.				
Content of solvent	< 35	Weight-%			
Explosion limit	Lower	1,2	Upper	9,0	Vol.-% (solvent)
Solubility in water	Reaction with water				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 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 resulting 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, 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 vapours 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	X(1640)	Country	Switzerland
	Waste key (acc. TA-Abfall)	080302	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.

LAND TRANSPORT	UN Number :	1210	ADR-Class	3		
	Transp. Designations:	Printing ink and printing ink related material				
	Package group	III				
MARITIME TRANSPORT	UN Number :	1210	IMO-Class	3.3	EmS-Nr.	F-E, S-D
	Transp. Designations	Printing ink and 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

CLASSIFICATION ACCORDING TO EEC DIRECTIVES

DANGER SYMBOL Xn
DANGER DESIGNATION Harmful
HAZARD DETERMINING Isocyanates
COMPONENTS OF LABELLING Xylene (Mixture of Isomeres)
R-PHRASES 10 Flammable
 20/21 Harmful by inhalation and in contact with skin
S-PHRASES 20/21 When using don't eat, drink or smoke
 24/25 Avoid contact with skin and eyes
 51 Use only in well-ventilated areas
P-PHRASES ---

CLASSIFICATION ACCORDING TO BAG (SWITZERLAND) AND GERMAN DIRECTIVES

CH-GIFTGESETZGEBUNG	4	BAG T No.	614384		See also label				
LUFTREINHALTEVERORDNUNG	LRV-class	1	%	2	< 15	%	3	< 20	%
IMMISSIONSSCHUTZ	TA-Luft	I	%	II	< 35	%	III		%
BRANDSCHUTZ	VbF-class	N.E.		BVD-class	N.E.				
WASSERHAUSHALT	WGK	(self-assessment)		CH	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

16. OTHER INFORMATION

See Section 15, R-Phrases
 R 23 Toxic by inhalation
 R 36 Irritating to eyes
 R 38 Irritating to skin
 R 42 May cause sensitization by inhalation
 R 36/37/38 Irritating to eyes, respiratory system 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.