

Trade name: MA 2010 black

	Hazard pictogra	ams	(Contd. of page 1)
	GHS02 GHS0	05 GHS07 GHS08 GHS09	
	Signal word Dat	nger	
	Phosphoric acid C. I. Solvent (C. I. Solvent V	Violet 8	
	Hazard statemen	Blue 4 < 0,1% Michler's Ketone	
	H225 Highly fla H315 Causes sk: H318 Causes sen H317 May cause H341 Suspected H351 Suspected	ammable liquid and vapour.	
•	Precautionary s	statements	
	P101	If medical advice is needed, have product container or label at hand.	
		Keep out of reach of children.	
	P103	Read label before use.	
	P210 P303+P361+P353	Keep away from heat/sparks/open flames/hot surfaces No smoking. IF ON SKIN (or hair): Remove/Take off immediately all contaminated cloth skin with water/shower.	ling. Rinse
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove cont if present and easy to do. Continue rinsing.	act lenses,
	P310	Immediately call a POISON CENTER/doctor.	
	P405	Store locked up.	
	P501	Dispose of contents/container in accordance with local/regional/national international regulations.	
	2.3 Other hazar		
		and vPvB assessment	
	PBT: Not applie		
•	vPvB: Not appl:	icable.	

SECTION 3: Composition/information on ingredients

· 3.2 Chemical characterisation: Mixtures

Mixture of the following substances, containing non-hazardous substances and colouring agents. • Description:

All ingredients of the ink Speedflow are pre-registered according to 1907/2006/EC (REACH). For pre-registration numbers refer to the list attached to his MSDS.

· Dangerous components:		
CAS: 64-17-5	ethanol	50-100%
EINECS: 200-578-6	\forall riam. Eq. 2, E25, \forall Eye rifte. 2, E91	
CAS: 107-98-2	1-Methoxy-2-propanol	2,5-10%
EINECS: 203-539-1	🔞 Flam. Liq. 3, H226; 🚸 STOT SE 3, H336	
CAS: 12645-31-7	Phosphoric acid mono-bis-(2-ethylhexyl)-ester	2,5-10%
EINECS: 235-741-0	Skin Corr. 1B, H314	
CAS: 84281-86-7	C. I. Solvent Violet 8	2,5-10%
EINECS: 282-630-8	🔶 Eye Dam. 1, H318; 🚸 Acute Tox. 4, H302	
CAS: 495-54-5	C. I. Solvent Orange 3	2,5-10%
EINECS: 207-803-7	 Muta. 2, H341; Carc. 2, H351; Aquatic Chronic 1, H410; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 	
CAS: 6786-83-0	C. I. Solvent Blue 4 < 0,1% Michler's Ketone	<u><</u> 1,0%
EINECS: 229-851-8	🚸 Skin Sens. 1B, H317; Aquatic Chronic 3, H412	
• Additional information: For the wording of the listed risk phrases refer to section 16.		

SECTION 4: First aid measures

· 4.1 Description of first aid measures

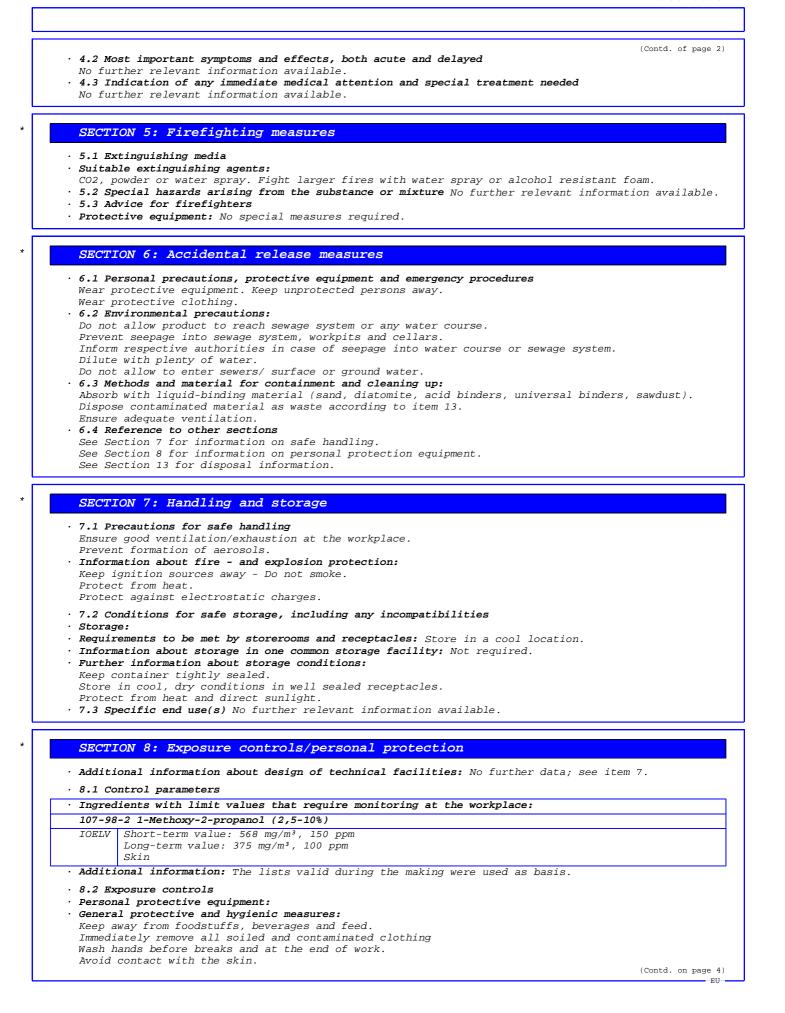
· After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.
- · After swallowing: If symptoms persist consult doctor.

(Contd. on page 3) EU



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EU

Avoid contact with the eyes and skin.
Respiratory protection:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:
Protective gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the product/ the product/ the substance/ the preparation/ the chemical mixture

preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material** The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection:



Tightly sealed goggles

· 9.1 Information on basic physical and chemical properties	
General Information	
Appearance:	
Form:	Fluid
Colour: Odour:	According to product specification
Odour threshold:	Product specific Not determined.
04041 01100010140	
Important information on protection of health	and and
environment, and on safety.	-
	-
pH-value at 20 °C:	5
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	78 °C
Flash point:	13 °C
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	287 °C
Decomposition temperature:	Not determined.
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits:	
Lower:	1,7 Vol %
Upper:	15,0 Vol %
Vapour pressure at 20 °C:	59 hPa
Density:	Not determined.
Relative density	Not determined.
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with	
water:	Fully miscible.
Partition coefficient (n-octanol/water):	Not determined.

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Viscosity:	
Dynamic at 20 °C:	4,2 mPas
Kinematic:	Not determined.
Solvent content:	
Organic solvents:	76,2 %
Solids content:	14,7 %
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

· 10.1 Reactivity

- 10.2 Chemical stability
- · Thermal decomposition / conditions to be avoided:
- No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- · 10.4 Conditions to avoid No further relevant information available. 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- · 11.1 Information on toxicological effects
- · Acute toxicity:
- · Primary irritant effect:
- · on the skin: Irritant to skin and mucous membranes.
- · on the eye: Strong irritant with the danger of severe eye injury.
- · Sensitisation: Sensitisation possible through skin contact.
- · Additional toxicological information: The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Irritant
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction) Muta. 2, Carc. 2

SECTION 12: Ecological information

- · 12.1 Toxicity
- Aquatic toxicity:

6786-83-0 C. I. Solvent Blue 4 < 0,1% Michler's Ketone

- EC50 / 48h 0,025 mg/l (Daphnie)
- · 12.2 Persistence and degradability No further relevant information available.
- \cdot 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · Ecotoxical effects:
- Remark: Very toxic for fish
- Additional ecological information:
- · General notes:

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground. Also poisonous for fish and plankton in water bodies.

- Very toxic for aquatic organisms · 12.5 Results of PBT and vPvB assessment
- · PBT: Not applicable.
- **vPvB:** Not applicable.
- · 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation
- Must not be disposed together with household garbage. Do not allow product to reach sewage system. European waste catalogue

H			
	08 00 00	WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS,	
		VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS	
H			
	08 01 00) wastes from MFSU and removal of paint and varnish	
_ L		-	
	08 01 11*	waste paint and varnish containing organic solvents or other dangerous substances	
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Uncleaned packaging:

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- Recommendation: Disposal must be made according to official regulations.
 Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport informatio	n
14.1 UN-Number	
ADR, IMDG, IATA	UN1263
14.2 UN proper shipping name	
ADR	1263 PAINT, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS
IMDG	PAINT (chrysoidine, triarylmethan dye, blue),
IATA	MARINE POLLUTANT PAINT
14.3 Transport hazard class(es)	FAINI
ADR	
Class	3 (F1) Flammable liquids.
Label	3
Class	3 Flammable liquids.
Label	3
Class Label	3 Flammable liquids. 3
14.4 Packing group	
ADR, IMDG, IATA	II
14.5 Environmental hazards:	Product contains environmentally hazardous substances: chrysoidine
Marine pollutant:	Yes Sumbol (figh and tree)
Special marking (ADR):	Symbol (fish and tree) Symbol (fish and tree)
14.6 Special precautions for user	Warning: Flammable liquids.
Danger code (Kemler):	33
EMS Number:	<i>F-E</i> , <u><i>S-E</i></u>
14.7 Transport in bulk according to Anne MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	5L
Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml
	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
Transport category	2
Tunnel restriction code	D/E
IMDG Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E2
	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
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· Remarks:	1263 Paint (dye-stuff C.I. Solvent Orange 3), Marine Pollutant
• UN "Model Regulation":	UN1263, PAINT, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS, 3, II

SECTION 15: Regulatory information

 \cdot 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations:

Technical instructions (air):

Class	Share in %
NK	50-100

Waterhazard class: Water hazard class 3 (Self-assessment): extremely hazardous for water.
 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Relevant phrases H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H302 Harmful if swallowed. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness. H341 Suspected of causing genetic defects. H351 Suspected of causing cancer. H410 Very toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects. Abbreviations and acronyms: RDD: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) IATA-DCR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICAO: International Civil Aviation Organisation ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO) ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) Plam. Liq. 2: Flammable liquids, Hazard Category 2 Plam. Liq. 3: Flammable liquids, Hazard Category 3 Acute Tox. 4: Acute toxicity, Hazard Category 4 Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 1 Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 1 Eye Irrit. 2: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1 Muta. 2: Germ cell mutagenicity, Hazard Category 2 Muta. 2: Germ cell mutagenicity, Hazard Category 2 Carc. 2: Carcinogenicity, Hazard Category 2 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3 Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1 Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3 * Data compared to the previous version altered. EU