

1. IDENTIFICATION OF THE PREPARATION AND COMPANY.

Product Name and Code : Felt-Touch-Up Dye Pen  
A21000 AQUA - Standard Colors

NAME AND FULL ADDRESS OF COMPANY:

Heinrich König & Co.  
An der Rosenhelle 5  
61138 Niederdorfelden

EMERGENCY-CALL OF COMPANY : 49 / 6101 / 53 60 50 ( R & D )

Telephone-number ( in general ) : 49 / 6101 / 53 60 - 0  
Telefax : 49 / 6101 / 53 60 11

2. COMPOSITION/INFORMATION ON INGREDIENTS.

Contents of Water: 86 %

Substances presenting a health hazard within the meaning of the Dangerous Substances Directive 67/548/EEC.

Chemical character of composition: Wasserlack

Cas-No.	Names	Conc.	Symb.	R phrases
n.a.				

(See full text of R phrases under chapter 16)

3. HAZARDS IDENTIFICATION OF THE PREPARATION.

Prescription of possible hazard: n.a.

\_Llentz

Prescription of possible hazard for environment:

n.a.

4. FIRST AID MEASURES.

General :

In all cases of doubt, or when symptoms persist, seek medical attention.  
Never give anything by mouth to an unconscious person.

Inhalation :

Remove to fresh air, keep patient warm and at rest, if breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in recovery position and seek medical advice.

Eye contact :

Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart; seek medical advice.

Skin contact :

Remove contaminated clothing. Wash skin thoroughly with soap and water or use adequate skin cleaner. Do NOT use solvents or thinners.

Ingestion :

If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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5. FIRE-FIGHTING MEASURES.

Extinguishing media

Recommended: alcohol resistant foam, CO<sub>2</sub>, powders, water-spray.

Recommendations:

Due to the high percentage of water in the preparation, the mixture is not to be considered as "flammable".

Exposure to decomposition products in case of fire may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting water courses.

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6. ACCIDENTAL RELEASE MEASURES.

Due to the high percentage of water in the preparation, danger of ignition of fume/air - mixtures is not to be considered.

Refer to protective measures listed in sections 7 and 8. Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Do not allow to enter watercourses.

Clean preferably with a detergent; avoid use of solvents.

If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

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7. HANDLING AND STORAGE.

Hints for secure handling

During handling of this product, protection against ignition is not necessary because of lack of solvent.

No threshold values of hazardous materials has to be considered.

Avoid contact with eyes and skin.

During work, do not eat, drink or smoke.

Personal protection equipment see chapter 8.

According to lack of hazardous ingredients, no labeling is necessary - precautions while working with chemicals should be considered.

Hints for protection against fire and ignition

According to ingredients, no protection against fire or ignition has to be considered.

Storage:

Keep container tightly closed.

Avoid skin and eye contact. Avoid inhalation of vapor and spray mist.

Smoking, eating and drinking are forbidden in application area.

Observe label precautions. Store between 5 and 40 °C in a dry, well ventilated place away from sources of heat and direct sunlight.

Containers which have been opened must be carefully resealed and kept upright to prevent leakage.

Health measures:

Comply with the health and safety at work laws.

Always keep in containers of same material as the original one.

For personal protection see Section 8.

Never use pressure to empty : container is not a pressure vessel.

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION.

Engineering Measures.

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particles or spray mist, suitable respiratory protection must be worn.

Exposure Limits.

Occupational exposure limit for :

CAS-No.	Names	STEL	LTEL
n.a.			

Personal Protection.

Respiratory protection:

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection:

For prolonged or repeated contact, use nitrile, neoprene or latex rubber gloves.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Eye protection:

Use safety eyewear designed to protect against splash of liquids.

Skin protection.

All parts of the body should be washed after contact.

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9. PHYSICAL AND CHEMICAL PROPERTIES.

Form : liquid

Color: typical

Odor : typical

	value	unit	method
Flashpoint	:	not valid	
Viscosity	:	10 s 4 mmat	20°C (sec) Ford cup N°4
Spec. gravity	:	1.00 at	20°C (g/cm <sup>3</sup> )
Lower expl.Limit	:	not valid	
Upper expl.Limit	:	not valid	
Solubility in water:	:	soluble	
Melting point	:		°C
Boiling point	:	100	°C (theoretical value)
Percentage of VOC	:	1	
Vapor pressure	:	16 at	20°C mbar (theoretical value)
pH-Value	:	7.00	
Point of ignition	:	not valid	
Amount of solids	:	13.50	%
Volume of solids	:	13.47	Lit./100 kg

#### 9. STABILITY AND REACTIVITY.

Stable under recommended storage and handling conditions. (See section 7)  
 When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen. Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions. NONE OF THE UPPER DESCRIBED DECOMPOSED PRODUCTS WILL OCCUR UNDER NORMAL CONDITIONS AND PROPER USE!

#### 11. TOXICOLOGICAL INFORMATION.

There are no data available on the preparation itself.  
 Exposure to component solvents vapors concentration in excess of the stated occupational exposure limit may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system.  
 Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness in case of significant overexposure.  
 Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.  
 The liquid splashed in the eyes may cause irritation and reversible damage.

#### 12. ECOLOGICAL INFORMATION.

There are no data available on the preparation itself.  
 The product should not be allowed to enter drains or watercourses.

#### 13. DISPOSAL CONSIDERATIONS.

Do not allow into drains or watercourses.  
 Empty containers are to be deposited according to the official rules.

14. TRANSPORT INFORMATION.

Transport only in accordance with ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport.

A D R - transport by road

Transport document name:

Class : Kein Gefahrgut gem. den Vorschriften

Item :

packaging group : n.a.

I M D G - transport by sea

Proper shipping name :

IMDG-class : n.a. UN-No.: n.a. Page: n.a.

EMS-# : n.a. MfAG : n.a.

Packaging group : n.a.

Marpol : n.a.

I C A O / I A T A - transport by air

Proper shipping name :

ICAO/IATA decl. : n.a. UN-No.: n.a.

Packaging group : n.a.

IN GENERAL:

THIS PREPARATION IN OR WITH ITS CONTENTS IS NOT SUBJECT OF DANGEROUS GOODS REGULATIONS, NEITHER NATIONAL NOR INTERNATIONAL.

15. REGULATORY INFORMATION.

The requirements of the Classification Packaging and Labeling of Dangerous Substances Regulations.

The product is labeled as follows :

Danger classification :

n.a.

Contains:

n.a.

R phrases:

n.a.

S phrases:

2 Keep out of reach of children.

other phrases:

n.a.

TSCA: all ingredients listed

16. OTHER INFORMATION.

Full text of R phrases appearing in section 2 :

n.a.

The information of this MSDS is based on the present state of our knowledge and on current EEC and national laws, and we believe it is correct as of its date. However, because the material may be used under conditions over which we have no control or in ways, we cannot anticipate, we give no warranty, expressed or implied, as to the accuracy of the information, and assume no responsibility for any damage to person, property or business, arising from misuse.

The product is not to be used for other purposes as those specified under section 1 without first obtaining written handling-instructions! It is always the responsibility of the user to take all necessary steps in order to fulfill the demand of security-matters laid down in the local rules and legislation. The information in this MSDS is meant as a description of the safety requirements of our product; it is not to be considered as a guarantee of the products' properties.

The information in this Safety Data Sheet is required pursuant to Dangerous Substances Regulations 26.10.1993.

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