

# SAFETY DATA SHEET

## GRAFO DRIER 54 0122/52

### 1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME GRAFO DRIER 54 0122/52  
PRODUCT NO. 54 0122/52  
APPLICATION Additive for Printing Ink  
SUPPLIER STEHLIN HOSTAG INK UK LTD  
UNIT D4 LINKMEL CLOSE  
QUEENS DRIVE INDUSTRIAL ESTATE  
NOTTINGHAM  
NG2 1NA  
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### 2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
Calcium Perborate	259-263-7	54630-47-6	15-20%	Xi;R36/37/38.
Zinc Oxide	215-222-5	1314-13-2	<2.5%	N;R50/53.

The Full Text for all R-Phrases are Displayed in Section 16

#### COMPOSITION COMMENTS

Preparation from vegetable oil, an organic cobalt salt and additives.

### 3 HAZARDS IDENTIFICATION

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION R52/53.

#### ENVIRONMENT

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest version.

### 4 FIRST-AID MEASURES

#### INHALATION

Move the exposed person to fresh air at once.

#### INGESTION

If accidentally swallowed obtain immediate medical attention. Keep at rest DO NOT INDUCE VOMITING!

#### SKIN CONTACT

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

#### EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Seek medical advice.

### 5 FIRE-FIGHTING MEASURES

#### EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Do not use water jet as an extinguisher, as this will spread the fire.

# GRAFO DRIER 54 0122/52

## SPECIAL FIRE FIGHTING PROCEDURES

Containers close to fire should be removed or cooled with water. Dike and collect extinguishing water.

## UNUSUAL FIRE & EXPLOSION HAZARDS

Fire will produce clouds of dense black smoke.

## SPECIFIC HAZARDS

Exposure to hazardous decomposition products may cause a health hazard. Appropriate breathing apparatus may be required.

## 6 ACCIDENTAL RELEASE MEASURES

### PERSONAL PRECAUTIONS

Provide adequate ventilation. Refer to protective measures listed in sections 7 and 8.

### ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the National Rivers Authority or other appropriate regulatory body. Avoid discharge into drains.

### SPILL CLEAN UP METHODS

Dam and absorb spillages with sand, earth or other non-combustible material. Clean area with a detergent- avoid the use of solvents. Collect in containers which can be sealed for disposal according to local authority regulations

## 7 HANDLING AND STORAGE

### USAGE PRECAUTIONS

Avoid eating, drinking and smoking when using the product. Avoid contact with skin and eyes. Comply with health and safety at work laws.

### STORAGE PRECAUTIONS

Containers which are open must be carefully resealed and kept upright to prevent leakage. Store in tightly closed original container in a cool, dry well-ventilated place. Keep away from sources of heat and direct sunlight. Store in accordance with national regulations concerning water pollution.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### ENGINEERING MEASURES

Provide adequate ventilation.

### RESPIRATORY EQUIPMENT

If the occupational exposure limits can't be met, in exceptional cases suitable respiratory protection should be worn only for a short period of time.

### HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves. The glove material has to be impermeable and resistant to the product. Nitrile gloves are recommended. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Barrier creams may help to protect the exposed areas of the skin. They should however not be applied once exposure has occurred.

### EYE PROTECTION

Wear approved safety goggles.

### SKIN PROTECTION

All parts of the skin should be washed after contact. Work clothes must not consist of textiles which show a dangerous melting behaviour in case of fire.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Paste		
COLOUR	White / off-white		
ODOUR	Characteristic		
SOLUBILITY	Partly or not miscible with water		
RELATIVE DENSITY	1.0	VOLATILE BY VOL. (%)	<0.5
FLASH POINT (°C)	>100		

## 10 STABILITY AND REACTIVITY

### STABILITY

Stable under recommended storage and handling conditions (see section 7)

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## MATERIALS TO AVOID

Keep well away from oxidising agents and strongly alkaline or strongly acidic materials in order to avoid exothermic reactions.

## HAZARDOUS DECOMPOSITION PRODUCTS

Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Smoke

## 11 TOXICOLOGICAL INFORMATION

### GENERAL INFORMATION

The preparation is classified according to the conventional method (calculation method of the EC-directive 1999/45/EC)

### SKIN CONTACT

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin, resulting in skin dryness. May be absorbed through the skin.

### EYE CONTACT

Eye splashes may cause irritation and reversible damage

## 12 ECOLOGICAL INFORMATION

### ECOTOXICITY

The product should not be allowed to enter drains, water courses or soil Harmful to fish and aquatic organisms.

### WATER HAZARD CLASSIFICATION

2 (Self assessment) hazardous for water

## 13 DISPOSAL CONSIDERATIONS

### GENERAL INFORMATION

Waste is classified as special waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

### DISPOSAL METHODS

Do not empty into drains.

### WASTE CLASS

08 03 13 waste ink other than those mentioned in 08 03 12

## 14 TRANSPORT INFORMATION

### GENERAL

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### MARINE POLLUTANT

No.

## 15 REGULATORY INFORMATION

### RISK PHRASES

R52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### SAFETY PHRASES

S29

Do not empty into drains.

S35

This material and its container must be disposed of in a safe way.

S61

Avoid release to the environment. Refer to special instructions/safety data sheets.

## 16 OTHER INFORMATION

### REVISION COMMENTS

Re-issued due to changes in most sections

### ISSUED BY

Paul R Hayden

### SDS NO.

9/001/e

### SAFETY DATA SHEET STATUS

Approved.

# GRAFO DRIER 54 0122/52

DATE

02/03/05

RISK PHRASES IN FULL

R36/37/38

Irritating to eyes, respiratory system and skin.

R50/53

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.