

SAFETY DATA SHEET

COBALT DRIERS 40B5000

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME COBALT DRIERS 40B5000
 PRODUCT NO. 40B5000
 APPLICATION Additive for Printing Ink
 SUPPLIER STEHLIN HOSTAG INK UK LTD
 UNIT D4 LINKMEL CLOSE
 QUEENS DRIVE INDUSTRIAL ESTATE
 NOTTINGHAM
 NG2 1NA
 Tel : 0115 9860477
 Fax : 0115 9862681

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
COBALT BIS (2-ETHLYHEXANOATE)	205-250-6	136-52-7	30-40%	Xi;R38. R43.
DISTILLATES (PETROLEUM), ACID-TREATED MIDDLE; GASOIL - UNSPECIFIED	265-113-1	64742-13-8	50-60%	Xn;R65.

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

COMPOSITION COMMENTS

Preparation of mineral oil and cobalt octoate

3 HAZARDS IDENTIFICATION

Irritating to skin. May cause sensitisation by skin contact.

CLASSIFICATION Xi;R38. R43.

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

GENERAL INFORMATION

When symptoms persist or in all cases of doubt seek medical advice.

INHALATION

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. If breathing stops, provide artificial respiration. Place unconscious person on the side in the recovery position and ensure breathing. Get medical attention.

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.

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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.

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. Prevent entry 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

Do not eat, drink or smoke 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

Name	Std	LT - ppm	LT - mg/m3	ST - ppm	ST - mg/m3
COBALT BIS (2-ETHYLHEXANOATE)	MEL		0.1 as Co mg/m3		

INGREDIENT COMMENTS

Cobalt bis (2-ethylhexanoate) 30-40%

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

EYE PROTECTION

Wear approved, tight fitting safety glasses where splashing is probable.

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

Liquid

COBALT DRIERS 40B5000

COLOUR	Violet		
ODOUR	Characteristic		
SOLUBILITY	Partly or not miscible Immiscible with water		
BOILING POINT (°C)	260	RELATIVE DENSITY	0.900
VOLATILE BY VOL. (%)	50 -60	FLASH POINT (°C)	>100
AUTO IGNITION TEMPERATURE (°C)	240		

10 STABILITY AND REACTIVITY

STABILITY

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

MATERIALS TO AVOID

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

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 also result in non-allergic contact dermatitis. 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

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.

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

LABELLING



Irritant

CONTAINS

COBALT BIS (2-ETHLYHEXANOATE)

RISK PHRASES

R38

Irritating to skin.

R43

May cause sensitisation by skin contact.

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SAFETY PHRASES

S23	Do not breathe vapour/spray.
S24	Avoid contact with skin.
S29	Do not empty into drains.
S35	This material and its container must be disposed of in a safe way.
S37	Wear suitable gloves.
S62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

16 OTHER INFORMATION

REVISION COMMENTS

Sections 8,10 & 11 amended from last version dated 17/03/04

ISSUED BY

Paul R Hayden

REVISION DATE 02/03/05

SDS NO. 9/001/a

SAFETY DATA SHEET STATUS

Approved.

RISK PHRASES IN FULL

R38	Irritating to skin.
R43	May cause sensitisation by skin contact.
R65	Harmful: may cause lung damage if swallowed.

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.