

SAFETY DATA SHEET

UV PANTONE CONTINUOUS FORMS BLENDING INKS

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME	UV PANTONE CONTINUOUS FORMS BLENDING INKS
PRODUCT NO.	Various
APPLICATION	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
Acrylates (R36/38)			<30%	Xi;R36/38.
Acrylates (R36/38)			10-15%	Xi;R36.
Acrylates (R36/38)			15-20%	Xi;R36/37/38. N;R51/53.
Pentaerythritol Tetraacrylate	225-644-1	4986-89-4	<5%	R43 Xi;R36/38
Pentaerythritol Triacrylate	222-540-8	3524-68-3	<2%	R43 Xi;R36/38
Photoinitiator			<1%	Xn;R22. N;R50/53.
Photoinitiator			<5%	N;R50/53.

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

COMPOSITION COMMENTS

Preparation of organic and inorganic pigments and / or carbon black, synthetic resins (modified acrylates), photoinitiators and additives.

3 HAZARDS IDENTIFICATION

May cause sensitisation by skin contact. Irritating to eyes, respiratory system and skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

CLASSIFICATION Xi;R36/37/38. R43. N;R51/53.

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

GENERAL INFORMATION

When symptoms persist or in all cases of doubt seek medical advice. Do not give victim anything to drink if they are unconscious.

INHALATION

Provide rest, warmth and fresh air. Perform artificial respiration if breathing has stopped. Place unconscious person on the side in the recovery position and ensure breathing. Get medical attention.

UV PANTONE CONTINUOUS FORMS BLENDING INKS

INGESTION

DO NOT induce vomiting. Get medical attention immediately. Keep at rest

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.

SPECIAL FIRE FIGHTING PROCEDURES

Water spray should be used to cool containers. 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

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

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 Forward for disposal

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid eating, drinking and smoking when using the product. For personal protection see section 8 Comply with health and safety at work laws. Avoid contact with skin and eyes.

STORAGE PRECAUTIONS

Store in tightly closed original container in a cool, dry well-ventilated place. Containers which are open must be carefully resealed and kept upright to prevent leakage. 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. 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 splash-proof eye goggles to prevent any possibility of eye contact.

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.

UV PANTONE CONTINUOUS FORMS BLENDING INKS

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Paste		
COLOUR	Various		
ODOUR	Characteristic		
SOLUBILITY	Partly or not miscible with water		
BOILING POINT (°C)	101	RELATIVE DENSITY	1.076 @ 20c
VAPOUR PRESSURE	0.1 hPa @ 20c	FLASH POINT (°C)	>100

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 be absorbed through the skin.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

The product should not be allowed to enter drains , water courses or soil Toxic for aquatic organisms

ACUTE FISH TOXICITY

Toxic for fish

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 12 waste ink containing hazardous substances

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



Dangerous for
the
environment

UV PANTONE CONTINUOUS FORMS BLENDING INKS

CONTAINS	Pentaerythritol Tetraacrylate Pentaerythritol Triacrylate
RISK PHRASES	R36/37/38 Irritating to eyes, respiratory system and skin. R43 May cause sensitisation by skin contact. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
SAFETY PHRASES	S23 Do not breathe vapour/spray. S24 Avoid contact with skin. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S29 Do not empty into drains. S35 This material and its container must be disposed of in a safe way. S37 Wear suitable gloves.

16 OTHER INFORMATION

REVISION COMMENTS

Re-issued due to changes in most sections

ISSUED BY

Paul R Hayden

REVISION DATE

15/03/05

SDS NO.

5/005

SAFETY DATA SHEET STATUS

Approved.

RISK PHRASES IN FULL

R22	Harmful if swallowed.
R36	Irritating to eyes.
R36/37/38	Irritating to eyes, respiratory system and skin.
R36/38	Irritating to eyes and skin.
R43	May cause sensitisation by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	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.