

SAFETY DATA SHEET

SHEETFED PANTONES

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME SHEETFED PANTONES
 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
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2 COMPOSITION/INFORMATION ON INGREDIENTS

| Name | EC No. | CAS-No. | Content | Classification |
|--------------|--------|---------|---------|----------------|
| Mineral Oils | | | 15-20% | Xn;R65. R66. |

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

COMPOSITION COMMENTS

Preparation from organic and inorganic pigments and/or carbon black, resins, vegetable and mineral oils,.

3 HAZARDS IDENTIFICATION

Not regarded as a health or environmental hazard under current legislation.

EC Directives 67/548/EEC and 1999/45/EC

4 FIRST-AID MEASURES

GENERAL INFORMATION

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

INHALATION

Move into fresh air and keep at rest.

INGESTION

If acidentally 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.

SPECIAL FIRE FIGHTING PROCEDURES

Containers close to fire should be removed immediately or cooled with water. Do not allow run-off from fire fighting to enter drains or watercourses.

SHEETFED PANTONES

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

Wear protective clothing as described in Section 8 of this safety data sheet. 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

Absorb in vermiculite, dry sand or earth and place into containers. 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. Clothes and rags contaminated with ink, lacquer or oxidative drying oil may cause self ignition. Keep them in closed and fireproof containers.

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

Not necessary if room is well ventilated.

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 approved, tight fitting safety glasses where splashing is probable.

OTHER PROTECTION

Provide eyewash station.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

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 | Varying | | |
| ODOUR | Characteristic | | |
| SOLUBILITY | Partly or not miscible | | |
| BOILING POINT (°C) | 101 | RELATIVE DENSITY | 1.05 @ 20c |
| VAPOUR PRESSURE | <0.1 hPa | FLASH POINT (°C) | > 100 CC (Closed cup). |

10 STABILITY AND REACTIVITY

SHEETFED PANTONES

STABILITY

Stable under normal temperature conditions and recommended use.

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.

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

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

Dispose of waste and residues in accordance with local authority requirements.

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

NC Not classified.

SAFETY PHRASES

NC Not classified.

ENVIRONMENTAL LISTING

Non hazardous substance or preparation according to EC directives 67/548/EEC or 88/379/EEC

Contains hydroquinone,cobalt bis(2-ethylhexanoate)May produce an allergic reaction

16 OTHER INFORMATION

REVISION COMMENTS

Re-issued due to changes in most sections

ISSUED BY

Paul R Hayden

REVISION DATE

09/02/05

REV. NO./REPL. SDS GENERATED

Issue 2

SDS NO.

3/001

SAFETY DATA SHEET STATUS

Approved.

SHEETFED PANTONES

RISK PHRASES IN FULL

- R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.

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.