

SAFETY DATA SHEET

In compliance with
The Chemicals (Hazard Information and Packaging for Supply) Regulations 1994

1. (A) THE PREPARATION

Micro-pad ink

(B) THE COMPANY

Dormy
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2. INFORMATION ON INGREDIENTS

The ink is a complex mixture of a variety of components, including glycols, organophosphates, polyvinyl chloride, oleo-esters, resin and dye. Composition varies slightly according to colour. The only component listed in the regulations is:

Tricresyl phosphate (mmm/mmp/mpp/ppp isomers) - CAS: 1330-78-5
- used in all colours.

3. HAZARDS IDENTIFICATION

The ink should pose no serious hazards in normal use, providing sensible handling precautions are taken. Components in its make-up will cause skin and eye irritation on contact with the liquid. Staining will occur where ink is in contact with the skin, this may be removable with soap and water, but any residual staining degrade over time.

The material contains no volatile components as should not give of any appreciable amounts of vapour at room temperatures, however during heat curing the vapours evolved should not be inhaled.

4. FIRST-AID MEASURES

Skin: wash with soap and water, remove contaminated clothing. Some irritation may occur if contact is prolonged, seek medical attention if this is severe or persistent. It may be found that sensitive individuals may suffer an adverse reaction to any number of components in the gel.

Eyes: rinse with water. Seek medical attention if irritation is prolonged or severe.

Ingestion: rinse out mouth with water, induce vomiting if swallowed and if casualty is conscious. Seek medical attention.

5. FIRE-FIGHTING MEASURES

Water spray, foam, CO₂ or dry powder.

The gel will evolve toxic fumes (CO_x, PO_x, NO_x, HCl, aldehydes) during combustion. The use of SCBA for fire fighters is recommended where large quantities of ink is involved.

6. ACCIDENTAL RELEASE MEASURES

Soak up spillage with inert absorbent material: e.g. sand or earth. Exposed personnel should wear suitable PPE (section 8). Organophosphates are marine pollutants and the material should not be permitted to enter drains or water courses.

7. HANDLING AND STORAGE

Wear suitable PPE (section 8).

The preparation should be stored away from foodstuffs. Store in a cool place.

Keep away from children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Gloves/apron - almost any liquid resistant gloves or clothing will protect the skin, natural rubber is ideal. PVC gloves may tend to crack after prolonged usage.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: thick, coloured liquid

pH: N/A

Boiling range: see other data.

Flash point: lowest component flash point is 124°C

Autoflamability:

Explosive properties:

Oxidising properties: none

Vapour pressure: almost none

Relative density: c 1.2 @20°C

Solubility: not water miscible.

Other data: product will begin to fuse to a solid at about 50°C, this will increase rapidly as the temperature increases.

10. STABILITY AND REACTIVITY

Generally stable. Will degrade at temperatures above 300°C. Product will start to fuse above 50°C, this process increasing rapidly as the temperature is increased.

11. TOXICOLOGICAL INFORMATION

The organophosphate components are marine pollutants. General low order of toxicity is low unless large quantities are ingested or are allowed to remain in contact with the skin for extensive periods.

12. ECOLOGICAL INFORMATION

Marine pollutant, toxic to fish and invertebrates.

13. DISPOSAL CONSIDERATIONS

Dispose of according to local regulations.

14. TRANSPORT INFORMATION

The following information applies:-

ROAD:

class 9 group III UNNo: 3082 ADR: class 11c

SEA:

class 9 group III UNNo: 3082 marine pollutant.

AIR:

class 9 group III UNNo: 3082

15. REGULATORY INFORMATION

The preparation shall carry a label clearly printed with the following information:-

- a) the name full address and telephone number of the supplier as set out in section 1 B;
- b) the trade name or designation - Micro-ink.
- c)i) identification of hazardous constituents: tricresyl phosphate
- ii) the indication(s) of danger and the symbol(s): Xn.
- iii) the risk phrases:
Harmful in contact with the skin and if swallowed.
- iv) the safety phrases:
Keep out of reach of children.
After skin contact, wash with plenty of soap and water.

16. OTHER INFORMATION

The ink is essentially a two part material. An ink (composed of glycols and dyes) which marks the surface to which the stamp is applied, and a PVC plastisol (PVC and plasticisers). The properties of the fused material (i.e. after heat moulding) will be different to the un-fused ink.