

MATERIAL SAFETY DATA SHEET

According 91/155/EEC

Product Name : **Caligo Safe Wash Etching Inks**

Revision Date : **June 2005**

PREPARATIONS CLASSIFIED AS NOT DANGEROUS

Important : The concerning preparation is not classified as dangerous within the meaning of the European directive 99/45/EC of 31 May 1999 concerning the mutual adjustment of legal and law judicial conditions concerning grouping, packing and characteristics of dangerous preparations.

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

Product name : *Caligo Safe-Wash Etching Inks*
Intended use : *Printing inks*
Name, full address : *Caligo Ltd*
Linden House
Monk Street Abagavenny
Monmouthshire
Phone Number : *00 44 (0)1633 861421*

2. COMPOSITION/INFORMATION ON INGREDIENTS

The ingredients are regarded as proprietary and trade secrets.

3. HAZARD IDENTIFICATION

Contains no hazardous Ingredients (93/112/EEC)
This preparation is not classified as dangerous according to EEC directive 99/45/EEC.

4. FIRST AID MEASURES

General *In all cases of doubt, or when symptoms persist, seek medical attention.*
Never give anything by mouth to an unconscious person.

Inhalation *Not likely to occur. Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Give nothing by mouth. If unconscious, place in the recovery position and seek medical advice.*

Eye contact *Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart, and seek medical advice.*

Skin contact *Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners.*

Ingestion *If accidentally swallowed, obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.*

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5. FIRE FIGHTING MEASURES

Extinguishing media *Recommended : alcohol resistant foam, CO₂, powder.
Not to be used : water jet.*

Recommendations *Fire will produce dense black smoke. Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool containers exposed to fire with water spray Do not allow run-off from fire fighting to enter drains or water courses.*

6. ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and provide adequate ventilation. Avoid breathing of vapours. Refer to protective measures listed in Section 7 and 8. Contain and collect spillage's with non-combustible absorbent materials e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with the local waste regulations (see Section 13).

Clean preferably with a detergent ; avoid the use of solvents.

If the product enters drains or sewers the local water company should be contacted immediately ; in the case of contamination of streams, rivers or lakes, the National Rivers Authority should be contacted.

7. HANDLING AND STORAGE

Handling

Keep the container tightly closed. Exclude sources of heat, sparks and open flame.

Avoid skin and eye contact. Avoid inhalation of vapour and spray mist.

Smoking, eating and drinking should be prohibited in areas of storage and use.

For personal protection, see Section 8.

*Never use pressure to empty the container. The container is not a pressure vessel.
Always keep in containers made of the same material as the supplied container.*

Follow the rules of labour protection.

Storage

*Observe the label precautions. Store between 4 and 30 degrees C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight. No smoking. Prevent unauthorised access. Containers which are opened should be properly resealed and kept upright to prevent leakage. Store separately from oxidising agents and strongly alkaline and strongly acidic materials.
Suitable storage media: most plastics/mild steel.*

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures *Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.*

Personal Protection

Respiratory protection *Not applicable.*

Hand protection *When skin exposure may occur, advice should be sought from glove suppliers on appropriate types.*

Barrier creams may help to protect exposed areas of the skin. They should not be applied once exposure has occurred.

Eye protection *Eye protection designed to protect against liquid splashes should be worn.*

Skin protection *Protection clothing should be worn by the personnel*

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : *Paste*
Flash point : *> 100 °C*
Boiling point : *> 240 °C*
Viscosity : *n.d.a.*
Specific gravity : *+ 1*
Vapour density : *n.d.a.*
Solubility in water : *Emulsifiable*
Further information :

10. STABILITY AND REACTIVITY

Stable under the recommended storage and handling conditions. (See Section 7). When exposed to high temperatures, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produced. Keep away from oxidising agents and strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction.

11. TOXICOLOGICAL INFORMATION

Unlikely to be hazardous under normal conditions of use. There is no data available on the product itself.

Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

Splashes in the eyes may cause irritation and reversible local damage.

12. ECOLOGICAL INFORMATION

There is no data available on the product itself.

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13. **DISPOSAL CONSIDERATIONS**

Wastes and emptied containers should be disposed of in accordance with applicable federal, state and local regulations.

14. **TRANSPORT INFORMATION**

The product is not regulated by the regulations of transport.

15. **REGULATORY INFORMATION**

The product is not classified as dangerous within the meaning of the EC Directive 99/45/EC.

Supply Label details: Ref. CHIP 2

Risk phrases : None

Safety Phrases : None

16. **OTHER INFORMATION**

The information contained in this safety datasheet is provided in accordance with the requirements of the Chemicals (Hazard Information and Packaging) Regulations.

The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.