

JOOP STOOP PRINTMAKERS INK & PAPER

Material Safety Data Sheet According to 91/155 EC

Printing date 14-01-2004

Reviewed on 04.04.2003

1 Identification of substance

Product details

Trade name: Joop Stoop Lithographic inks

Application of the substance / the preparation Printing inks

Informing department:

JOOP STOOP HOLLAND BV

PB 782

7400 AT Deventer - Holland +31(0)570-677712

2 Composition/Data on components:

Chemical characterization :

Printing ink -Preparation of colouring agents, binders, solvents and auxiliary products

Dangerous components, which are presenting a health hazard under the scope of the Dangerous Substances Directive 67/548/EWG

CAS: 64742-13-8 *Distillates (petroleum), acid-treated middle* Xn; R 65-66 5 -10%

EINECS: 265-113-1

Aliphatic, cycloparaffinic. aromatchydrocarbons."Xn" Xn; R 65 < 2.5%

Additional information'

For information about ingredients with occupational exposure limits see section 8.

For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

No hazardous substance or preparation according to EEC-Directives 67/548/EEC or 88/379/EEC.

Hazard designation: void

Information pertaining to particular dangers for man and environment

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

4 First aid measures

After skin contact

Remove contaminated clothing immediately.

Wash skin thoroughly with soap and water or use recognised skin cleanser.

Do NOT use solvents or thinners.

After eye contact

Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

Remove contact lenses.

Seek medical advice.

After swallowing

If accidentally swallowed obtain immediate medical attention!

Keep at rest.

Do NOT induce vomiting.

5 Fire fighting measures

Suitable extinguishing agents

Alcohol resistant foam, CO₂, powders, water spray, if applied under high pressure.

For safety reasons unsuitable extinguishing agents Waterjet.

Special hazards caused by the material, its products of combustion or flue gases:

Exposure to hazardous decomposition products may cause a health hazard.

Appropriate breathing apparatus may be required.

Cool closed containers exposed to fire with water spray.

Fire will produce dense black smoke.

Additional information Collect run-off from fire fighting.

6 Accidental release measures

Person-related safety precautions:

Ventilate the area.

Refer to protective measures listed in section 7 and 8.

Measures for environmental protection:

If the product contaminates rivers and lakes or sewages inform respective authorities.

Do not allow to enter drains.

Measures for cleaning/collecting:

Clean preferably with a detergent.

Avoid use of solvents.

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local regulations.

7 Handling and storage

Handling

Information for safe handling:

Smoking, eating and drinking should be prohibited in application area.

For personal protection see section 8

Comply with health and safety at work laws.

Avoid skin and eye contact.

Avoid breathing vapours.

Storage

Requirements to be met by storerooms and containers:

Never use pressure to empty: container is not a pressure vessel.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Keep container tightly closed.

Further information about storage conditions:

Store in a dry, well ventilated place.

Always keep in containers of the same material as the original one.

Keep away from heat and direct sunlight.

Store in accordance with the particular national regulations concerning water pollution.

8 Exposure controls and personal protection

Additional information about design of technical systems: Provide adequate ventilation.

Components with critical values that require monitoring at the workplace:

Numerical data -if specified -are taken from the valid national lists.

Personal protective equipment

Protection of hands:

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

For prolonged or repeated contact use protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the

preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material) on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: not necessary

Body protection:

The skin should be washed after contact.

Working clothes must not consist of textiles, which show a dangerous melting behaviour in case of fire.

9 Physical and chemical properties:

General Information

Form: Highly viscous
Colour: depends on used pigment
Smell: Weak, characteristic '

Change in condition

Boiling point/Boiling range: 232°C
Flash point: > 100°C
Ignition temperature: 240.0°C
Density at 20°C 1.000 g/cm³
Solubility in / Miscibility with Water: partly or not miscible
Organic solvents: -%

10 Stability and reactivity

Thermal decomposition / conditions to be avoided:

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

Materials to be avoided:

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

Dangerous products of composition:

Exposition to high temperatures may produce hazardous decompositions: products such as: carbon dioxide, carbon monoxide, smoke, oxides of nitrogen (NO_x).

11 Toxicological information

The Preparation is classified according to the conventional method (calculation method of the EC-directive 881379/EEC).

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in desiccation of the skin.

The liquid splashed in the eyes may cause strong irritation and reversible damage.

12 Ecological information:

The product should not be allowed to enter drains or water courses or the soil.

13 Disposal considerations

Product:

Recommendation Do not allow to enter drains.

Uncleaned packagings:

Recommendation :

Not emptied containers and ink residues are hazardous waste.

Emptied containers should be supplied to scrap utilisation resp. recycling.

14 Transport information

Not classified according to transport regulations for dangerous goods (like ADRIRID etc.)

Land transport ADRIRID and GGVS/GGVE (cross-border/domestic)

Designation of goods: -

15 Regulatory information

Designation according to EC guidelines:

No hazardous substance or preparation according to EC-directives 6715481EEC or 8813791EEC.

16 Other information:

The users working conditions are beyond our knowledge and control.

It is always the responsibility of the user to take all necessary steps in order to fulfil the demands laid down in the local rules and legislation.

The information in this MSDS is meant as a description of safety requirements of our product; it is ! not to be considered as a guarantee of the product's properties.

The information of this MSDS is based on the present state of our knowledge and on current EU and national laws.

Relevant R-phrases

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.