

INKS PS3300-6C

COMPOSITION/INFORMATION ON INGREDIENTS :

Chemical characterization

- Ink based on VC-copolymers and on solvents

HAZARDS IDENTIFICATION

BUTYLGLYCOL ACETATE

CAS no. 112-07-2

EINECS no. 203-933-3

Concentration $\geq 60 < 70$ %-b.w. Classification Xn;R20/21

CYCLOHEXANONE

CAS no. 108-94-1

EINECS no. 203-631-1

Concentration $\geq 20 < 25$ %-b.w.

Classification R10

Xn;R20

Xi;R38-41

HAZARDS POSSIBILITIES

Hazard symbols

Xn Harmful

R phrases

20/21 Harmful by inhalation and in contact with skin. 38 Irritating to skin.

41 Risk of serious damage to eyes.

Specific hazards to man and the environment

The product is water polluting.

FIRST AID MEASURES

General information

- Immediately remove all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical attention. Unconsciousness: lateral position - call a physician.

After inhalation

- Take the casualty into the fresh air and keep warm. Irregular breathing/no breathing: artificial respiration. Call a physician.

After skin contact

- Wash away with soap and water and rinse.

Do NOT use solvents or thinners!

After eye contact

- Flush with plenty of water (10 - 15 min.). Call a physician.

After ingestion

- Call a physician. Keep at rest. Do not induce vomiting.

FIRE-FIGHTING MEASURES

Suitable extinguishing media

- Carbon dioxide, foam, sand, dry extinguishing agent.

Extinguishing media that must not be used for safety reasons

- Water jet should not be used because water is not mixable with a lot of organic solvents and such solvents will spread on the water surface.

Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases

- In case of fire, dangerous smoke gases such as carbon dioxide, carbon monoxide, soot, nitrogen oxides, metal oxides and halogenated hydrogens can be produced. Therefore, take suitable precautionary measures for fire fighting. Residues remaining after a fire have to be disposed of appropriately.

Special protective equipment for fire -fighting

- Breathing apparatus with an independent source of air may be required.

Other information

- Cool endangered containers with water in case of fire.

ACCIDENTAL RELEASE MEASURES

Personal precautions

Keep away from sources of ignition. Provide for good ventilation. Do not breathe vapours. Refer to protective measures listed in sections 7 and 8.

Environmental precautions

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

Methods for cleaning up/taking up

Remove by liquid absorbing material (e.g. kieselguhr) and process according to waste regulations. Clean preferably with a detergent; avoid use of solvents.



HANDLING AND STORAGE Handling

Advice on safe handling

- Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limit. Do not leave containers open. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Avoid contact with skin and eyes. Avoid inhalation of vapour and spray mist. When using do not eat, drink or smoke.

Comply with the health and safety at work laws.

Advice on protection against fire and explosion

- Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Operators should wear antistatic footwear and clothing. No sparking tools should be used.

Classification of fires: B (Combustible liquid substances)

Temperature class: T3

STORAGE

Requirements for storage rooms and vessels

- Recommended storage temperature: 15-20°C. Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Hints on storage assembly

- Keep away from oxidizing agents, from strongly alkaline and strongly acid materials.

Further information on storage conditions

- Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Keep away from sources of ignition. Keep containers dry and cool.

EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional hints on technical system design.

- Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn. Ingredients with occupational exposure limits to be monitored

CYCLOHEXANONE

2000/39/EC

Value: 10 ml/m³ - 40,8 mg/m³ Stel: 20 ml/m³ - 81,6 mg/m³

Skin resorption / sensibilisation: skin

WEL/EH40

Value: 10 ml/m³

Stel: 20 ml/m³

Skin resorption / sensibilisation: skin

BUTYLGLYCOL ACETATE 2000/39/EC

Value: 20 ml/m³ - 133 mg/m³ Stel: 50 ml/m³ - 333 mg/m³

Skin resorption / sensibilisation: skin

WEL/EH40

Value: 20 ml/m³

Stel: 50 ml/m³

Skin resorption / sensibilisation: skin

