

Material Safety Data Sheet

(EC 1907/2006)

General Environmental and Safety Information for Handling

1. Identification of the substance / preparation and of the company / undertaking

Product Name : Sublisplash Sublimation Ink - Black
First issued: 1.10.2013, Version 1.05
Use : Inkjet printing ink
Company address: **Print Equipment GmbH & Co. KG**
Asbachstraße 10
D-77833 Ottersweier, Germany
www.printequipment.de
Tel +49 (0) 7223-2815-0
(Hours 08:30 – 17:30 Mon to Thurs; 08:30 – 17:00 Fri)

2. Composition / information on ingredients

General description Mixture of pigments in aqueous media.

Hazardous ingredients Hazards shown below refer to named substance. Concentration in preparation is shown on the right.

Dispersion Hazard symbols Xi	2-5%
R43 H317	
Rheology modifier	1-10%
Diethylene Glycol, Hazard symbols, Xn	5-15%
R22 H302	
2-Dimethylaminoethanol	>0.01%

3. Hazards identification

Overview: A coloured liquid

Classification in accordance with regulation (EC) No 1272/2008



GHS07 Warning

Skin sens. 1 H317 May cause an allergic skin reaction

Classification according to directive 67/548/EEC or Directive 1999/45/EC

R43 Xi Sensitising May cause sensitisation by skin contact

3.2 Label Elements

This substance is classified and labelled according to the CLP regulation

Hazard pictograms



GHS07

Signal word Warning

Hazard determining component of substance/mixture

Diethylene Glycol

Hazard statements

H302 Harmful if swallowed

C.I. Disperse blue 360

Hazard statements

H317 May cause an allergic skin reaction

Potential Environmental Effects: No significant environmental hazards are expected if material is released to the environment.

Caution: Avoid skin and eye contact.

4. First Aid Measures

General First Aid

Seek medical advice if any symptoms arise apparently due to contact with this product.

Skin contact

After contact with skin, wash with plenty of water or soap and water. If irritation persists, or there is any sign of tissue damage, seek medical advice. Remove contaminated clothing and wash before re-use.

Eye contact

Sublisplash® by Print Equipment

In case of contact with eyes rinse immediately with plenty of water for at least 15 minutes. Seek medical advice.

Inhalation

If symptoms due to inhalation are observed, remove person to fresh air. If symptoms persist, seek medical advice.

Ingestion

If swallowed, rinse mouth with plenty of water and give water to drink. Do not induce vomiting. Seek medical advice.

5. Fire-fighting measures

General fire-fighting

This product is not considered a fire hazard

Extinguishing media

Water spray, foam, dry chemical, CO₂.

Special exposure hazards

May decompose if involved in a fire, releasing irritant/toxic fumes.

Protective Equipment

Under fire conditions wear full protective clothing and self contained breathing apparatus

6. Accidental Release measures

Personal protection

Contact with skin and eyes should be avoided. Wear impervious gloves and safety glasses or goggles.

Environmental protection

It is not anticipated that this product poses any significant environmental hazards. However, as a matter of good practice, prevent entry of liquid into sewers and water courses

Disposal

Absorb on sand or earth and place in container for safe disposal. Containers should be sealed and labelled. Flush away any traces which cannot be recovered by other means with copious amounts of water, and detergent if available.

Remove container of waste material to disposal site.

7. Handling and storage

Handling

Follow proper standards of industrial hygiene. Avoid contact with skin and eyes,

Storage

Container should be kept sealed and stored in cool dry conditions

Avoid temperatures above 40°C and below 5°C.

8. Exposure controls/personal protection

Exposure Guidelines

No exposure guidelines have been established for this product.

Exposure controls

Engineering measures, such as the provision of local exhaust ventilation or containment, should always be taken before personal protection equipment is necessary. Monitoring should be provided to ensure that exposure levels are kept below specified level - see above. For advice and guidance on protective equipment see the PEE regulations 1992 and the booklet HS(g)53 "RPE: A Practical Guide for users". Non-UK customers should contact their national competent authority for local advice.

Personal protection

Respiratory protection

In the event of inadequate ventilation : wear suitable respirator conforming to EN405 FFABE1P2SL standard.

Hand protection

Liquid resistant gloves are recommended to minimise skin contact.

Eye protection

Wear suitable eye protection such as goggles conforming to EN 166/5.

Skin protection

Work overalls. Limited splash protection coveralls conforming to EN 340 complex design Cat.3, Type 5 & 6. Wash hands and face thoroughly with mild soap before eating and drinking.

Environmental exposure controls:

This product should be used in accordance with national and international regulations and following the principles of BAT (best Available

Technique). See also section 16.

9. Physical and chemical properties

Physical form Low viscosity Liquid

Colour Black / Odour Feint

PH 7-10

Boiling point/boiling range 90-100°C

Melting point/melting range not applicable

Flash point not applicable

Flammability not applicable

Autoflammability not applicable

Explosive properties none known
Oxidizing properties none known
Vapour pressure not known
Relative density 1g/cm³
Water solubility miscible
Fat solubility not known
Partition coefficient(n-octanol/water) not known

10. Stability and reactivity

Stability of substance

Stable under normal conditions.

Conditions to avoid

Avoid temperatures above 40°C and below 5°C

Materials to avoid

Strong reducing agents.

Oxidizing agents such as chlorates, bromates and nitrates

Hazardous decomposition products

The substances arising from the thermal decomposition of this product cannot be accurately predicted. Any fumes are potentially irritant/toxic and suitable protection should be worn.

11. Toxicological Information

General toxicology

This information has been determined by consideration of the toxicological data for the components and for analogous products.

Skin contact

May cause slight irritation

Acute dermal toxicity : no data available.

Eye contact

May cause slight irritation

Not classified by the conventional method

Inhalation

No data available

Ingestion

No data available

12. Ecological information

General ecological information

The contamination of rivers and soil should be avoided.

Mobility

The pigment in this dispersion is virtually insoluble in water. It will be largely removed from waste water in biological effluent treatment plants by filtration and absorption. It will accumulate in the resulting sludge, which should be treated accordingly.

Persistence

No data available

Ecotoxicity

No data available

Water pollution class (WGK) Class 2 (contaminating)

(VwVwS group classification)

WGK = classification in accordance with German Water Resources Act.

AOX :

None

Heavy water contact

This product does not contain heavy metals as part of its structure. Any present will be in trace quantities in line with the ETAD limits for heavy metals in dyestuffs.

Ecological information on ingredients

Coloured ink: Acute toxicity to fish, Limit test LC₅₀:>100 mg/L

Activated Sludge Respiration Inhibition: EC₅₀:> 1000 mg/L

13. Disposal considerations

Product disposal

Removed material and / or unwanted product should be disposed of in accordance with local regulations.

Disposal of unclean containers

Consider local reuse or recycling. If this is not possible, dispose of as for product.

14. Transport information

This product is not classified as dangerous for transport.

Keep separated from foodstuffs.

UN No -
CDG-CPL classification -
IMDG-Code -
ADR/RID -
ICAO/IATA -

15. Regulatory information

This safety datasheet complies with the requirement of Regulation (EC) No. 1907/2006 (REACH).
Contains no REACH substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances
Label for supply

Risk phrases

Xn Harmful
R22 Harmful if swallowed
H302 Harmful if swallowed
Xi Sensitising
R43 Xi Sensitising May cause sensitisation by skin contact
GH307 Sensitising
H317 May cause allergic skin reaction

Safety phrases

Regulatory references, EC

This preparation is classified according to the dangerous preparations directive 99/45/EC and its Adaptations.
S60 Material and container must be disposed of as hazardous waste

Regulatory references, UK

This product is classified according to the Chemicals (Hazard Information AND Packaging for Supply) Regulations 2002 (CHIP3)

Regulatory references, Germany

VwVwS Annex reference: Water hazard class (WGK)1, low hazard to waters (Classification according to VwVwS, Annex 4)

12th Ordinance implementing the Federal Immission control Act-12.BImSchV: Is not subject of the 12 BImSchV (Hazardous Incident Ordinance)

Chemical Safety Assessment: No chemical safety assessment has been carried out

16. Other information

Other information

This safety data sheet has been prepared in accordance with the requirements of the data sheet directive 91/155/EEC and its Amendments.

Full text of R and H phrases appearing in this Safety Data Sheet.

Text of R-Phrases

R22 Harmful if swallowed
R43 Xi Sensitising May cause sensitisation by skin contact

Text of H-Phrases

H302 Harmful if swallowed
H317 Skin sens. 1 May cause allergic skin reaction

Full Text of Warning

GHS07 Warning

Environmental Legislation

Environmental Protection Act 1990
Water Resources Act 1991
Special Waste Regulations 1996
Integrated Pollution Prevention and Control, 96/61/EEC
Hazardous Waste Directive, 91/689/EEC.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulation.

The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.

End of data sheet.