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This document contains the safety data sheets of BLACK AND COLOUR OFFICE DEPOT REMANUFACTURED HP NO.364 MULTIPACK , as a combined document for this pack is not available.

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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product: ink used to fill HP364XL reman cartridge

Distributed by: Office Depot Europe B.V., the Netherlands

Supplier: Environmental Business Products Ltd.  
Address: 26 Chase Road, Park Royal, London, NW10 6BB  
Information: [stephanie.lawes@ebpgroup.com](mailto:stephanie.lawes@ebpgroup.com) 44 (0) 20 8838 6888

## 2. HAZARDS IDENTIFICATION

### Classification of the substance or mixture

Classification according to Regulation (EC) No1272/2008

The product is not classified according to the CLP regulation.

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC:** Not applicable

### Information concerning particular hazards for humans and environment:

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

### Classification system:

The classification was made according to the latest editions of the EU- lists, and expanded upon from company and literature data.

### Label elements

Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials.

### Special labeling of certain preparations:

Safety data sheet available for professional user on request.

### Other hazards

Results of PBT and vPvB assessment

- PBT: not applicable
- vPvB: not applicable

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures

Description: mixture of substances listed below with nonhazardous additions

Dangerous components: void

## 4. FIRST AID MEASURES

Description of first aid measures

General information: no special measures required

Inhalation: supply fresh air, consult a doctor in case of complaints.

Skin contact: generally the product does not irritate the skin.

Eye contact: rinse opened eye for several minutes under running water.

Ingestion: if symptoms persist consult a doctor.

**5. FIRE FIGHTING MEASURES**

Suitable extinguishing media: CO<sub>2</sub>, Powder, or water spray. Fight larger fires with water spray or alcohol resistant foam.

Special hazards arising from the substance or mixture: no further relevant information available

Advice for firefighters:

Protective equipment: no special measures required

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions: not required

Environmental precautions: dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up: absorb with liquid binding material.

**7. HANDLING AND STORAGE**

Precautions for safe handling: no special measures required

Information about protection against explosions and fires: no special measures required.

Conditions for safe storage, including any incompatibilities: no special requirements.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Exposure controls:

Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:

The lists valid during the making were used as basis. The usual precautionary measures are to be adhered to when handling chemicals.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties

General information

Appearance: liquid

Colour: black

Odour: characteristic

Self-igniting: product is not self-igniting

Solubility in water: fully miscible

pH value: 7-8

Density at 20 °C: 1.05 g/cm<sup>3</sup>

Solubility: soluble in water

Viscosity: 3mm<sup>2</sup>/s

**10. STABILITY AND REACTIVITY**

Reactivity: stable under normal conditions

Chemical stability: stable under normal conditions

Possibility of hazardous reactions: no dangerous reactions known if used according to specifications.

Conditions to avoid: No further relevant information available.

Incompatible materials: no data is available on this product.

Haz. decomp. Products: no dangerous decomposition products known.

**11. TOXICOLOGICAL INFORMATION**

Information on toxicological effects

Acute toxicity:

Primary irritant effect:

On the skin: no irritating effect

On the eye: no irritating effect

Sensitization: no sensitizing effects known.

**12. ECOLOGICAL INFORMATION**

Toxicity

Aquatic toxicity: no further relevant information available

Persistence and degradability: no further relevant information available

Behavior in environmental systems:

Bio accumulative potential: no further relevant information available

Mobility in soil: no further relevant information available

Additional ecological information:

General notes: Water hazard class 1. Do not allow product to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT: not applicable

vPvB: not applicable

Other adverse effects: no further relevant information available.

**13. DISPOSAL CONSIDERATIONS**

Waste treatment methods:

Recommendation: waste material must be disposed of in accordance with local and national regulations.

**14. TRANSPORT INFORMATION**

ADR/RD: the product is not classified as dangerous for carriage.

IMDG: the product is not classified as dangerous for carriage.

IATA: the product is not classified as dangerous for carriage.

No special precautions required for user.

**15. REGULATORY INFORMATION**

Chemical safety assessment: a chemical safety assessment has not been carried out

**16. OTHER INFORMATION**

The information contained in this safety data sheet is provided in accordance with the requirements of the regulations. The product as contained within an inkjet cartridge and used according to normal usage, doesn't present environmental or health risks. The cartridge should be treated in such a way so as no ink spills into the environment without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of this product are outside the supplier's control, the user is responsible for ensuring that requirements of relevant legislation are complied with.

The information contained herein is for health and safety guidance only and does not constitute a specification. It is, to the best of our knowledge and belief, accurate. However since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the end user to comply with all applicable laws and regulations.

Nothing contained herein is to be construed as a recommendation for use in violation of any patents or of applicable laws or regulations.

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product: ink used to fill HP364 CY reman cartridge

Distributed by: Office Depot Europe B.V., the Netherlands

Supplier: Environmental Business Products Ltd.

Address: 26 Chase Road, Park Royal, London, NW10 6BB

Information: [stephanie.lawes@ebpgroup.com](mailto:stephanie.lawes@ebpgroup.com) 44 (0) 20 8838 6888

**2. HAZARDS IDENTIFICATION**

Classification of the substance or mixture

Classification according to Regulation (EC) No1272/2008



GHS07

Eye Irrit 2A, H319 Causes serious eye irritation

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

**Information concerning particular hazards for humans and environment:**

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

**Classification system:**

The classification is according to the latest of the EU-lists, and extended by company and literature data.

**Label elements**

**Labelling according to EU regulations:**

The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EU" as issued in the latest valid version.

Observe the general safety regulations when handling chemicals.

**Special labelling of certain preparations:**

Safety data sheet available for professional user on request.

**Other hazards**

**Results of PBT and vPvB assessment**

PBT: Not applicable

vPvB: Not applicable

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

**Chemical characterization: Mixtures**

Name	Cas-No	Content	Classification	CLP Classification
2,2'(ethylenedioxy) diethanol	112-27-6	<10%		
Glycerol	56-81-5	<5%	substance with a community workplace limit	
2-pyrrolidone	616-45-5	<5%	Xn R22 Xi R36/38	Acute Tox 4, H302 Skin Irrit 2, H315 Eye Irrit 2, H319

Additional information: for the wording of the listed risk phrases refer to section 16.

**4. FIRST AID MEASURES**

General information: no special measures required.  
Inhalation: supply fresh air: if symptoms persist consult a doctor.  
Skin contact: generally the product does not irritate the skin.  
Eye contact: rinse opened eye for several minutes under running water.  
Swallowing: if symptoms persist consult doctor.  
Information for doctor: No further relevant information available.

**5. FIRE FIGHTING MEASURES**

Extinguishing media: CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
Special hazards arising from the substance or mixture: no further relevant information available.  
Advice for firefighters  
Protective equipment: no special measures required.

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures: not required,  
Environmental precautions: dilute with plenty of water. Do not allow to enter sewers/surface or ground water.  
Methods and material for containment and cleaning up: Absorb with liquid binding material (sand, diatomite, sawdust).  
No dangerous substances are released.

**7. HANDLING AND STORAGE**

Usage Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.  
Information about fire-and explosion protection: no special measures required  
Storage:  
Requirements to be met by storerooms and containers: No special requirements.  
Information about storage in one common storage facility: not required.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Components with limit values that require monitoring at the workplace:  
56-81-5 glycerol  
WEL long-term value: 10 mg/m<sup>3</sup>  
Exposure controls  
Personal protective equipment:  
General protective and hygiene measures:  
The usual precautionary measures for handling chemicals should be followed.  
Respiratory protection: Not required  
Protection of hands: Protective gloves  
Eye protection: Safety glasses recommended during refilling.  
Body protection: not required

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties  
General information  
Appearance:  
Form/State: Fluid  
Colour: Cyan  
Odour: Mild  
Solubility in water: Fully miscible

pH value at 20°C: 7.7  
Change in condition  
Melting point/melting range: undetermined  
Boiling point/boiling range: undetermined  
Flash point: not applicable  
Auto-igniting: product is not self-igniting  
Danger of explosion: product does not present an explosion hazard.  
Explosion limits: Lower: not applicable - Upper: not applicable  
Density at 20 °C: 1.3 g/cm<sup>3</sup>  
Viscosity at 20 °C: 3 mm<sup>2</sup>/s

## 10. STABILITY AND REACTIVITY

Chemical stability:

Thermal decomposition/conditions to be avoided: Stable under recommended storage and handling conditions.

Possibility of hazardous reactions: no dangerous reactions known if used according to specifications.

Conditions to avoid: no further relevant information available.

Incompatible materials: no further relevant information available.

Hazardous decomposition products: no dangerous decomposition products known.

## 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Primary irritant effect:

On the skin: no irritating effect

On the eye: no irritating effect

Sensitisation: no sensitizing effects known

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the products do not have any harmful effects in our experience and the information provided to us.

## 12. ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity: no further relevant information available

Persistence and degradability: no further relevant information available

Behavior in environmental systems:

Bio accumulative potential: no further relevant information available

Mobility in soil: no further relevant information available

Additional ecological information:

General notes:

Water hazard class 1: slightly hazardous for water

Do not allow undiluted product or large quantities to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT: not applicable

vPvB: not applicable

Other adverse effects: no further relevant information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods:**

Recommendation: waste material must be disposed of in accordance with local regulations.

Uncleansed packaging:

Recommendations: empty contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning. Packaging that cannot be cleansed are to be disposed of in the same manner as the product.

**14. TRANSPORT INFORMATION**

UN- number:

ADR, ADN, IMDG, IATA: None

UN proper shipping name:

ADR, ADN, IMDG, IATA: None

Transport hazard class:

ADR, ADN, IMDG, IATA: None

Packing group:

ADR, IMDG, IATA: None

Environmental hazards

Marine pollutant: No

Special precautions for user: Not applicable

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

UN "Model Regulation":

**15. REGULATORY INFORMATION****Special labeling of certain preparations:**

Safety data sheet available for professional user on request.

Chemical safety assessment: A chemical safety assessment has not been carried out.

**16. OTHER INFORMATION**

Relevant Phrases

H302 harmful if swallowed

H315 causes skin irritation

H319 causes serious eye irritation

R22 harmful if swallowed

R36/38 irritating to eyes and skin

The information contained in this safety data sheet is provided in accordance with the requirements of the regulations. The product as contained within an inkjet cartridge and used according to normal usage, doesn't present environmental or health risks. The cartridge should be treated in such a way so as no ink spills into the environment without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of this product are outside the supplier's control, the user is responsible for ensuring that requirements of relevant legislation are complied with.

The information contained herein is for health and safety guidance only and does not constitute a specification. It is, to the best of our knowledge and belief, accurate. However since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the end user to comply with all applicable laws and regulations.

Nothing contained herein is to be construed as a recommendation for use in violation of any patents or of applicable laws or regulations.

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

Product: ink used to fill HP364 MG reman cartridge

Distributed by: Office Depot Europe B.V., the Netherlands

Supplier: Environmental Business Products Ltd.

Address: 26 Chase Road, Park Royal, London, NW10 6BB

Information: [stephanie.lawes@ebpgroup.com](mailto:stephanie.lawes@ebpgroup.com) 44 (0) 20 8838 6888

**2. HAZARDS IDENTIFICATION**

Classification of the substance or mixture

Classification according to Regulation (EC) No1272/2008



GHS07

Eye Irrit 2A, H319 Causes serious eye irritation

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

**Information concerning particular hazards for humans and environment:**

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

**Classification system:**

The classification is according to the latest of the EU-lists, and extended by company and literature data.

**Label elements**

**Labelling according to EU regulations:**

The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EU" as issued in the latest valid version.

Observe the general safety regulations when handling chemicals.

**Special labelling of certain preparations:**

Safety data sheet available for professional user on request.

**Other hazards**

**Results of PBT and vPvB assessment**

PBT: Not applicable

vPvB: Not applicable

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

**Chemical characterization: Mixtures**

Name	Cas-No	Content	Classification	CLP Classification
2,2'(ethylenedioxy) diethanol	112-27-6	<10%		
Glycerol	56-81-5	<5%	substance with a community workplace limit	
2-pyrrolidone	616-45-5	<5%	Xn R22 Xi R36/38	Acute Tox 4, H302 Skin Irrit 2, H315 Eye Irrit 2, H319

Additional information: for the wording of the listed risk phrases refer to section 16.

**4. FIRST AID MEASURES**

General information: no special measures required.  
Inhalation: supply fresh air: if symptoms persist consult a doctor.  
Skin contact: generally the product does not irritate the skin.  
Eye contact: rinse opened eye for several minutes under running water.  
Swallowing: if symptoms persist consult doctor.  
Information for doctor: No further relevant information available.

**5. FIRE FIGHTING MEASURES**

Extinguishing media: CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
Special hazards arising from the substance or mixture: no further relevant information available.  
Advice for firefighters  
Protective equipment: no special measures required.

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures: not required,  
Environmental precautions: dilute with plenty of water. Do not allow to enter sewers/surface or ground water.  
Methods and material for containment and cleaning up: Absorb with liquid binding material (sand, diatomite, sawdust).  
No dangerous substances are released.

**7. HANDLING AND STORAGE**

Usage Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.  
Information about fire-and explosion protection: no special measures required  
Storage:  
Requirements to be met by storerooms and containers: No special requirements.  
Information about storage in one common storage facility: not required.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Components with limit values that require monitoring at the workplace:  
56-81-5 glycerol  
WEL long-term value: 10 mg/m<sup>3</sup>  
Exposure controls  
Personal protective equipment:  
General protective and hygiene measures:  
The usual precautionary measures for handling chemicals should be followed.  
Respiratory protection: Not required  
Protection of hands: Protective gloves  
Eye protection: Safety glasses recommended during refilling.  
Body protection: not required

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties  
General information  
Appearance:  
Form/State: Fluid  
Colour: Magenta  
Odour: Mild  
Solubility in water: Fully miscible

pH value at 20°C: 7.7  
Change in condition  
Melting point/melting range: undetermined  
Boiling point/boiling range: undetermined  
Flash point: not applicable  
Auto-igniting: product is not self-igniting  
Danger of explosion: product does not present an explosion hazard.  
Explosion limits: Lower: not applicable - Upper: not applicable  
Density at 20 °C: 1.3 g/cm<sup>3</sup>  
Viscosity at 20 °C: 3 mm<sup>2</sup>/s

## 10. STABILITY AND REACTIVITY

Chemical stability:

Thermal decomposition/conditions to be avoided: Stable under recommended storage and handling conditions.

Possibility of hazardous reactions: no dangerous reactions known if used according to specifications.

Conditions to avoid: no further relevant information available.

Incompatible materials: no further relevant information available.

Hazardous decomposition products: no dangerous decomposition products known.

## 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Primary irritant effect:

On the skin: no irritating effect

On the eye: no irritating effect

Sensitisation: no sensitizing effects known

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the products do not have any harmful effects in our experience and the information provided to us.

## 12. ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity: no further relevant information available

Persistence and degradability: no further relevant information available

Behavior in environmental systems:

Bio accumulative potential: no further relevant information available

Mobility in soil: no further relevant information available

Additional ecological information:

General notes:

Water hazard class 1: slightly hazardous for water

Do not allow undiluted product or large quantities to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT: not applicable

vPvB: not applicable

Other adverse effects: no further relevant information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods:**

Recommendation: waste material must be disposed of in accordance with local regulations.

Uncleansed packaging:

Recommendations: empty contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning. Packaging that cannot be cleansed are to be disposed of in the same manner as the product.

**14. TRANSPORT INFORMATION**

UN- number:

ADR, ADN, IMDG, IATA: None

UN proper shipping name:

ADR, ADN, IMDG, IATA: None

Transport hazard class:

ADR, ADN, IMDG, IATA: None

Packing group:

ADR, IMDG, IATA: None

Environmental hazards

Marine pollutant: No

Special precautions for user: Not applicable

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

UN "Model Regulation":

**15. REGULATORY INFORMATION****Special labeling of certain preparations:**

Safety data sheet available for professional user on request.

Chemical safety assessment: A chemical safety assessment has not been carried out.

**16. OTHER INFORMATION**

Relevant Phrases

H302 harmful if swallowed

H315 causes skin irritation

H319 causes serious eye irritation

R22 harmful if swallowed

R36/38 irritating to eyes and skin

The information contained in this safety data sheet is provided in accordance with the requirements of the regulations. The product as contained within an inkjet cartridge and used according to normal usage, doesn't present environmental or health risks. The cartridge should be treated in such a way so as no ink spills into the environment without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of this product are outside the supplier's control, the user is responsible for ensuring that requirements of relevant legislation are complied with.

The information contained herein is for health and safety guidance only and does not constitute a specification. It is, to the best of our knowledge and belief, accurate. However since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the end user to comply with all applicable laws and regulations.

Nothing contained herein is to be construed as a recommendation for use in violation of any patents or of applicable laws or regulations.

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product: ink used to fill HP364 YL reman cartridge

Distributed by: Office Depot Europe B.V., the Netherlands

Supplier: Environmental Business Products Ltd.

Address: 26 Chase Road, Park Royal, London, NW10 6BB

Information: [stephanie.lawes@ebpgroup.com](mailto:stephanie.lawes@ebpgroup.com) 44 (0) 20 8838 6888

## 2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No1272/2008



GHS07

Eye Irrit 2A, H319 Causes serious eye irritation

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

**Information concerning particular hazards for humans and environment:**

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

**Classification system:**

The classification is according to the latest of the EU-lists, and extended by company and literature data.

### Label elements

**Labelling according to EU regulations:**

The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EU" as issued in the latest valid version.

Observe the general safety regulations when handling chemicals.

**Special labelling of certain preparations:**

Safety data sheet available for professional user on request.

**Other hazards**

**Results of PBT and vPvB assessment**

PBT: Not applicable

vPvB: Not applicable

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical characterization: Mixtures**

Name	Cas-No	Content	Classification	CLP Classification
2,2'(ethylenedioxy) diethanol	112-27-6	<10%		
Glycerol	56-81-5	<5%	substance with a community workplace limit	
2-pyrrolidone	616-45-5	<5%	Xn R22 Xi R36/38	Acute Tox 4, H302 Skin Irrit 2, H315 Eye Irrit 2, H319

Additional information: for the wording of the listed risk phrases refer to section 16.

**4. FIRST AID MEASURES**

General information: no special measures required.  
Inhalation: supply fresh air: if symptoms persist consult a doctor.  
Skin contact: generally the product does not irritate the skin.  
Eye contact: rinse opened eye for several minutes under running water.  
Swallowing: if symptoms persist consult doctor.  
Information for doctor: No further relevant information available.

**5. FIRE FIGHTING MEASURES**

Extinguishing media: CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.  
Special hazards arising from the substance or mixture: no further relevant information available.  
Advice for firefighters  
Protective equipment: no special measures required.

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures: not required,  
Environmental precautions: dilute with plenty of water. Do not allow to enter sewers/surface or ground water.  
Methods and material for containment and cleaning up: Absorb with liquid binding material (sand, diatomite, sawdust).  
No dangerous substances are released.

**7. HANDLING AND STORAGE**

Usage Precautions for safe handling: Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.  
Information about fire-and explosion protection: no special measures required  
Storage:  
Requirements to be met by storerooms and containers: No special requirements.  
Information about storage in one common storage facility: not required.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

Components with limit values that require monitoring at the workplace:  
56-81-5 glycerol  
WEL long-term value: 10 mg/m<sup>3</sup>  
Exposure controls  
Personal protective equipment:  
General protective and hygiene measures:  
The usual precautionary measures for handling chemicals should be followed.  
Respiratory protection: Not required  
Protection of hands: Protective gloves  
Eye protection: Safety glasses recommended during refilling.  
Body protection: not required

**9. PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties  
General information  
Appearance:  
Form/State: Fluid  
Colour: Yellow  
Odour: Mild  
Solubility in water: Fully miscible

pH value at 20°C: 7.7  
Change in condition  
Melting point/melting range: undetermined  
Boiling point/boiling range: undetermined  
Flash point: not applicable  
Auto-igniting: product is not self-igniting  
Danger of explosion: product does not present an explosion hazard.  
Explosion limits: Lower: not applicable - Upper: not applicable  
Density at 20 °C: 1.3 g/cm<sup>3</sup>  
Viscosity at 20 °C: 3 mm<sup>2</sup>/s

## 10. STABILITY AND REACTIVITY

Chemical stability:

Thermal decomposition/conditions to be avoided: Stable under recommended storage and handling conditions.

Possibility of hazardous reactions: no dangerous reactions known if used according to specifications.

Conditions to avoid: no further relevant information available.

Incompatible materials: no further relevant information available.

Hazardous decomposition products: no dangerous decomposition products known.

## 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Primary irritant effect:

On the skin: no irritating effect

On the eye: no irritating effect

Sensitisation: no sensitizing effects known

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the products do not have any harmful effects in our experience and the information provided to us.

## 12. ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity: no further relevant information available

Persistence and degradability: no further relevant information available

Behavior in environmental systems:

Bio accumulative potential: no further relevant information available

Mobility in soil: no further relevant information available

Additional ecological information:

General notes:

Water hazard class 1: slightly hazardous for water

Do not allow undiluted product or large quantities to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT: not applicable

vPvB: not applicable

Other adverse effects: no further relevant information available.

## 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods:**

Recommendation: waste material must be disposed of in accordance with local regulations.

Uncleansed packaging:

Recommendations: empty contaminated packaging thoroughly. They can be recycled after thorough and proper cleaning. Packaging that cannot be cleansed are to be disposed of in the same manner as the product.

**14. TRANSPORT INFORMATION**

UN- number:

ADR, ADN, IMDG, IATA: None

UN proper shipping name:

ADR, ADN, IMDG, IATA: None

Transport hazard class:

ADR, ADN, IMDG, IATA: None

Packing group:

ADR, IMDG, IATA: None

Environmental hazards

Marine pollutant: No

Special precautions for user: Not applicable

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

UN "Model Regulation":

**15. REGULATORY INFORMATION****Special labeling of certain preparations:**

Safety data sheet available for professional user on request.

Chemical safety assessment: A chemical safety assessment has not been carried out.

**16. OTHER INFORMATION**

Relevant Phrases

H302 harmful if swallowed

H315 causes skin irritation

H319 causes serious eye irritation

R22 harmful if swallowed

R36/38 irritating to eyes and skin

The information contained in this safety data sheet is provided in accordance with the requirements of the regulations. The product as contained within an inkjet cartridge and used according to normal usage, doesn't present environmental or health risks. The cartridge should be treated in such a way so as no ink spills into the environment without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of this product are outside the supplier's control, the user is responsible for ensuring that requirements of relevant legislation are complied with.

The information contained herein is for health and safety guidance only and does not constitute a specification. It is, to the best of our knowledge and belief, accurate. However since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by use of this material. It is the responsibility of the end user to comply with all applicable laws and regulations.

Nothing contained herein is to be construed as a recommendation for use in violation of any patents or of applicable laws or regulations.