

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product: ink used to fill Canon CLI-521 Yellow 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 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 human 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.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by 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 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	CLP Classification
Ethanol	64-17-5	<10%	Flam Liq. 2, H225
Glycerol	56-81-5	<5%	substance with a community workplace exposure limit
2-Pyrrolidone	616-45-5	<2%	Eye Irrit. 2A H319

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

4. FIRST AID MEASURES

Description of first aid measures

General information: no special measures required.

Inhalation: supply fresh air. Seek medical attention if symptoms persist.

Skin contact: generally the product does not irritate the skin

Eye contact: flush eyes thoroughly with water for 15 minutes. Seek medical attention if irritation persists.

Swallowing: consult a doctor if symptoms persist.

Information for doctor: no further relevant information available

Indication of any immediate medical attention and special treatment needed: no further relevant information available.

5. FIRE FIGHTING MEASURES

Suitable extinguishing agents:

Extinguishing media: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing agents: no special measures required.

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

Advice for firefighters:

Protective equipment: no special measures required.

Additional information: collect contaminated firefighting water separately. It must not enter the sewage system.

Cool endangered receptacles with water spray.

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

Handling:

Precautions for safe handling: no special precautions are necessary if used correctly.

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

Storage:

Requirements to be met by storerooms and containers:

Store in a cool location.

Use only containers specifically designed for this product.

Further information about storage conditions:

Store in cool, dry conditions in well-sealed containers.

Protect from heat and direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with limit values that require monitoring at the workplace:

64-17-5 ethanol

WEL\ Long Term value: 1920 mg/m³, 1000ppm

56-81-5 glycerol

WEL\ Long-term value: 10 mg/m³

Exposure controls

Personal protective equipment:

General protective and hygiene measures:

The usual precautionary measures for handling chemicals should be followed.

Wash hands before breaks and at the end of work.

Do not eat or drink while working.

Breathing equipment: Not required

Protection of hands: Protective gloves

Eye protection: Safety glasses

Body protection: Protective work clothing.

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: 8.5

Change in condition

Melting point/melting range: undetermined

Boiling point/boiling range: undetermined

Flash point: not applicable

Auto-igniting: not determined

Danger of explosion: product does not present an explosion hazard.

Vapor pressure: not determined

Density at 20 °C: 1.04 g/cm³

Viscosity at 20 °C: 3 mm²/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

Acute toxicity:

Primary irritant effect:

On the skin: no irritant effect

On the eye: no irritant effect

Sensitisation: no sensitizing effects known.

Additional toxicological information: 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 product does not have any harmful effects.

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 of it 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: disposal must be made in accordance with local regulations.

14. TRANSPORT INFORMATION

UN- number:

DOT, ADR, ADN, IMDG, IATA: None

UN proper shipping name:

DOT, ADR, ADN, IMDG, IATA: None

Transport hazard class:

DOT, ADR, ADN, IMDG, IATA: None

Packing group:

ADR, IMDG, IATA: None

Environmental hazards

Marine pollutant: No

Special precautions for user: Not applicable

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

H319 causes serious eye irritation.

H225 highly flammable liquid and vapour.

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 not be treated in such a way 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 Canon CLI-521 MG reman cartridge

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Information : 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 human 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.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by 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 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	CLP Classification
Ethanol	64-17-5	<10%	Flam Liq. 2, H225
Glycerol	56-81-5	<5%	substance with a community workplace
exposure limit			
2-Pyrrolidone	616-45-5	<2%	Eye Irrit. 2A H319

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

4. FIRST AID MEASURES

Description of first aid measures

General information: no special measures required.

Inhalation: supply fresh air. Seek medical attention if symptoms persist.

Skin contact: generally the product does not irritate the skin

Eye contact: flush eyes thoroughly with water for 15 minutes. Seek medical attention if irritation persists.

Swallowing: consult a doctor if symptoms persist.

Information for doctor: no further relevant information available

Indication of any immediate medical attention and special treatment needed: no further relevant information available.

5. FIRE FIGHTING MEASURES

Suitable extinguishing agents:

Extinguishing media: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing agents: no special measures required.

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

Advice for firefighters:

Protective equipment: no special measures required.

Additional information: collect contaminated firefighting water separately. It must not enter the sewage system.

Cool endangered receptacles with water spray.

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

Handling:

Precautions for safe handling: no special precautions are necessary if used correctly.

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

Storage:

Requirements to be met by storerooms and containers:

Store in a cool location.

Use only containers specifically designed for this product.

Further information about storage conditions:

Store in cool, dry conditions in well-sealed containers.

Protect from heat and direct sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with limit values that require monitoring at the workplace:

64-17-5 ethanol

WEL\ Long Term value: 1920 mg/m³, 1000ppm

56-81-5 glycerol

WEL\ Long-term value: 10 mg/m³

Exposure controls

Personal protective equipment:

General protective and hygiene measures:

The usual precautionary measures for handling chemicals should be followed.

Wash hands before breaks and at the end of work.

Do not eat or drink while working.

Breathing equipment: Not required

Protection of hands: Protective gloves

Eye protection: Safety glasses

Body protection: Protective work clothing.

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: 8.5

Change in condition

Melting point/melting range: undetermined

Boiling point/boiling range: undetermined

Flash point: not applicable

Auto-igniting: not determined

Danger of explosion: product does not present an explosion hazard.

Vapor pressure: not determined

Density at 20 °C: 1.04 g/cm³

Viscosity at 20 °C: 3 mm²/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

Acute toxicity:

Primary irritant effect:

On the skin: no irritant effect

On the eye: no irritant effect

Sensitisation: no sensitizing effects known.

Additional toxicological information: 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 product does not have any harmful effects.

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 of it 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: disposal must be made in accordance with local regulations.

14. TRANSPORT INFORMATION

UN- number:

DOT, ADR, ADN, IMDG, IATA: None

UN proper shipping name:

DOT, ADR, ADN, IMDG, IATA: None

Transport hazard class:

DOT, ADR, ADN, IMDG, IATA: None

Packing group:

ADR, IMDG, IATA: None

Environmental hazards

Marine pollutant: No

Special precautions for user: Not applicable

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

H319 causes serious eye irritation.

H225 highly flammable liquid and vapour.

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 not be treated in such a way 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.

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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Labelling according to EU guidelines:

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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	CLP Classification
Ethanol	64-17-5	<10%	Flam Liq. 2, H225
Glycerol	56-81-5	<5%	substance with a community workplace exposure limit
2-Pyrrolidone	616-45-5	<2%	Eye Irrit. 2A H319

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

4. FIRST AID MEASURES

Description of first aid measures

General information: no special measures required.

Inhalation: supply fresh air. Seek medical attention if symptoms persist.

Skin contact: generally the product does not irritate the skin

Eye contact: flush eyes thoroughly with water for 15 minutes. Seek medical attention if irritation persists.

Swallowing: consult a doctor if symptoms persist.

Information for doctor: no further relevant information available

Indication of any immediate medical attention and special treatment needed: no further relevant information available.

5. FIRE FIGHTING MEASURES

Suitable extinguishing agents:

Extinguishing media: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing agents: no special measures required.

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

Advice for firefighters:

Protective equipment: no special measures required.

Additional information: collect contaminated firefighting water separately. It must not enter the sewage system.

Cool endangered receptacles with water spray.

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

Handling:

Precautions for safe handling: no special precautions are necessary if used correctly.

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

Storage:

Requirements to be met by storerooms and containers:

Store in a cool location.

Use only containers specifically designed for this product.

Further information about storage conditions:

Store in cool, dry conditions in well-sealed containers.

Protect from heat and direct sunlight.

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/m³

64-17-5 ethanol

WEL\ Long Term value: 1920 mg/m³, 1000ppm

Exposure controls

Personal protective equipment:

General protective and hygiene measures:

The usual precautionary measures for handling chemicals should be followed.

Wash hands before breaks and at the end of work.

Do not eat or drink while working.

Breathing equipment: Not required

Protection of hands: Protective gloves

Eye protection: Safety glasses

Body protection: Protective work clothing.

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: 8.5

Change in condition

Melting point/melting range: undetermined

Boiling point/boiling range: undetermined

Flash point: not applicable

Auto-igniting: not determined

Danger of explosion: product does not present an explosion hazard.

Vapor pressure: not determined

Density at 20 °C: 1.04 g/cm³

Viscosity at 20 °C: 3 mm²/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

Acute toxicity:

Primary irritant effect:

On the skin: no irritant effect

On the eye: no irritant effect

Sensitisation: no sensitizing effects known.

Additional toxicological information: 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 product does not have any harmful effects.

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 of it 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: disposal must be made in accordance with local regulations.

14. TRANSPORT INFORMATION

UN- number:

DOT, ADR, ADN, IMDG, IATA: None

UN proper shipping name:

DOT, ADR, ADN, IMDG, IATA: None

Transport hazard class:

DOT, ADR, ADN, IMDG, IATA: None

Packing group:

ADR, IMDG, IATA: None

Environmental hazards

Marine pollutant: No

Special precautions for user: Not applicable

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

H319 causes serious eye irritation.

H225 highly flammable liquid and vapour.

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