

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product: ink used to fill Brother LC1000 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 44 (0) 20 8838 6888

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

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 preparations of the EU" in the latest valid version.

Classification system:

The classification was made according to the latest editions of the EU lists, and extended by company and literature data.

Label elements

Labelling according to EU guidelines:

The product has been marked in according to the calculation methods of the "General Classification guideline for preparations of the EU in the latest valid version.

Classification system:

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

Label elements

Labelling according to EU guidelines:

The product has been marked according to the calculation methods of the "General Classification Guideline for the Preparation of the EU" as issued in the latest valid version.

Observe the general safety regulations when handling chemicals.

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-Pyrrolidone	616-45-5	10-25%	Xi R36	Eye Irrit. 2A H319
2,2'-oxybisethanol	111-46-6	5-10%	Xn R22	Acute Tox 4, H302
2-(2-butoxyethoxy) ethanol	112-34-5	2.5-5%	Xi R36	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. In all cases of doubt, when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation: no adverse effect anticipated by this route of exposure. If symptoms show up, remove to fresh air.

Skin contact: immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. Do not use solvents or thinners

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

Swallowing: keep at rest. Do not induce vomiting; immediately call for medical help.

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

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

Unsuitable extinguishing agents: water with full jet

Special hazards arising from the substance or mixture: formation of toxic gases is possible during heating or in case of fire.

Advice for firefighters:

Protective equipment: mount respiratory protective device.

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: Ensure adequate ventilation,

Environmental precautions: do not allow to enter sewers/surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.

Methods and material for containment and cleaning up: Absorb with liquid binding material (sand, diatomite, sawdust).

Send for recovery or disposal in suitable containers.

Dispose contaminated material as waste according to item 13.

Avoid use of solvents.

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.

Ideal storage temperature: 10-30 °F

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

Ingredients with limit values that require monitoring at the workplace:

111-46-6 2,2'-oxybisethanol

WEL Long-term value: 101 mg/m³, 23ppm

112-34-5 2-(-butoxyethoxy) ethanol

WEL Short-term value: 101.2 mg/m³, 15ppm

Long-term value: 67.5 mg/m³, 10ppm

Exposure controls

Personal protective equipment:

General protective and hygiene measures:

The usual precautionary measures for handling chemicals should be followed.

Avoid close or long term contact with the skin.

Clean skin thoroughly immediately after handling the product

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: Miscible

pH value at 20°C: 8.3

Change in condition

Melting point/melting range: undetermined

Boiling point/boiling range: 100 °C

Flash point: 138 °C

Ignition temperature: 225 °C

Auto-igniting: not determined

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

Explosion limits: Lower: 0.7vol% - Upper: 22.0vol%

Vapor pressure: 13.3hPa

Density at 20 °C: 1 g/cm³

Viscosity at 20 °C: 3 mPas

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: strong oxidizers.

Hazardous decomposition products: in case of fire, carbon and nitrogen oxides are the main combustion gases.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity:

There is no experimentally determined data available on the preparation itself.

The product is not subject to classification according to the calculation method of the general EU classification guidelines for preparation as issued in the latest version.

Splashes in the eyes may cause irritation but no permanent harm.

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:
At the present there are no ecotoxicological assessments.
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 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:

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

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

Transport/Additional information: Not dangerous according to the above specifications

UN "Model Regulation": -

15. REGULATORY INFORMATION

Labelling according to EU guidelines:

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 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

H319 Causes serious eye irritation

R22 Harmful if swallowed

R36 Irritating to eyes

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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