

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product: ink used to fill HP303XL BK reman cartridge

Supplier: Vow

Address: Sheffield Airport Business Park, Europa Link, Sheffield, S9 1 XU

Information Phone: 0114 256 6000

### 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.

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
Diethylene glycol (2,2'-Oxydiethanol)	111-46-6	<10%	Acute Tox. 4, H302

The full text for all R-phrases are displayed in Section 16

### 4. FIRST AID MEASURES

**Skin contact:** Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing.

Seek medical attention if symptoms persist.

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

**Ingestion:** Do not induce vomiting. Rinse mouth thoroughly. May cause irritation to mucous membranes. If you feel unwell seek medical advice.

**Inhalation:** move the exposed person to fresh air. May cause irritation to respiratory system. If you feel unwell seek medical advice.

### 5. FIRE FIGHTING MEASURES

Extinguishing media: use extinguishing media appropriate to the surrounding fire conditions.

Special hazards arising from the substance or mixture: burning produces irritating and toxic fumes.

Advice for firefighters:

Protective equipment: wear self-contained breathing apparatus and protective clothing.

Additional information: cool endangered receptacles with water spray. Collect contaminated firefighting water separately. It must not enter the sewage system.

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Ensure adequate ventilation.

Environmental precautions: Do not allow to enter sewers/surface or ground water.

Clean-up procedures: 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. Clean spillage area thoroughly with plenty of water.

### 7. HANDLING AND STORAGE

Precautions for safe handling: ensure adequate ventilation of the working area. Avoid contact with eyes and skin. Adopt best Manual Handling considerations when handling, carrying and dispensing

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

Conditions for safe storage, including any incompatibilities: keep containers tightly closed. Keep in a cool dry, well ventilated area. Store in correctly labelled containers.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredients with limit values:

Diethylene glycol

(2,2'-Oxydiethanol) WEL 8-hr limit ppm: 23

WEL 8-hr limit mg/m<sup>3</sup>: 101

Exposure controls:

Appropriate engineering controls: ensure adequate ventilation of the working area.

Individual protection measures: wear protective clothing.

Eye/face protection: approved safety goggles

Skin/hand protection: wear suitable gloves, wear suitable protective clothing

Respiratory protection: wear suitable respiratory equipment when necessary

Occupational exposure controls: keep away from food, drink and animal food.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

General information

Appearance: liquid

Colour: Black

Odour: slight

Solubility in water: Miscible

pH value: 8.5-9.5

Relative density: 1.02 – 1.06 (H<sub>2</sub>O=1 @ 20°C)

Viscosity: =3.15 x 10<sup>-6</sup>m<sup>2</sup>/s: @40°C (ISO 3104/3105)

### 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: burning produces irritating and toxic fumes.

### 11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Skin corrosion: may cause irritation to skin and eyes.

Toxicological information: no data available

### 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 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

Regulations:

Regulation (EC) No 1907/2006 of the European parliament and of the Council of 18<sup>th</sup> December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.

Commission Regulation (EU) No 453/2010 of 20<sup>th</sup> May 2010 amending regulation (EC) No 1907/2006 of the European Parliament and of the council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC and 2000/21/EC.

### 16. OTHER INFORMATION

Risk phrases in full

H302 harmful if swallowed

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.