



# Material Safety Data Sheet

## HP88 Yellow

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product: ink used to fill HP 88 YL reman cartridge

Supplier: Supplies Team

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

Information Phone: 0114 256 6000

### 2. HAZARDS IDENTIFICATION



**GHS05** corrosion

Eye Dam. 1 H318 Causes serious eye damage.



**GHS07**

Skin Sens. 1 H317 May cause an allergic skin reaction

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:

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 on request

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Name	Cas-No	Content	Classification	CLP Classification
Ethane-1,2-diol	107-21-1	5-10%	Xn R22	STOT RE 2, H373 Acute Tox. 4 H302
Glycerol	56-81-5	2.5-5%		
2,2-dimethylpropane-1,3-diol	126-30-7	2.5-5%	Xi R37-41	Eye Dam 1 H318 STOT SE 3, H335
2-[2-(2-butoxyethoxy)ethoxy]ethanol	143-22-6	2.5-5%	Xi R41	Eye Dam 1, H318
Propan-2-ol	67-63-0	1-2.5%	Xi R36 F R11	Flam Liq 2, H225 Eye Irrit 2A, H319



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1,2-benzisothiazol-3 (2H)-one 2634-33-5

<0.1%

Xn R22 Xi R38-41  
N R50

STOT SE3, H336  
Eye Dam 1, H318  
Acute Tox 4, H302  
Skin Irrit 2, H315  
Skin Sens 1, H317

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

#### 4. FIRST AID MEASURES

General information: In all cases of doubt, when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation: supply fresh air;

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

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.

#### 5. FIRE FIGHTING MEASURES

Extinguishing media: CO<sub>2</sub>, 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

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

**Usage 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: 50-90 °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



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Components with limit values that require monitoring at the workplace:

107-21-1 ethane-1,2-diol

TLV- Ceiling limit value: 100 mg/m<sup>3</sup> H

56-81-5 glycerol

PEL- Long-term value: 15\*5\*\* mg/m<sup>3</sup>

\*total dust\*\*respirable fraction

TLV-TLV withdrawn-insufficient data human occup.exp.

67-63-0 propan-2-ol

PEL- Long-term value: 980 mg/m<sup>3</sup>, 400 ppm

REL- Short-term value: 1225 mg/m<sup>3</sup>, 500 ppm

Long-term value: 980 mg/m<sup>3</sup>, 400 ppm

TLV- Short-term value: 984 mg/m<sup>3</sup>, 400 ppm

Long-term value: 492 mg/m<sup>3</sup>, 200 ppm

BEI

Ingredients with biological limit values:

67-63-0 propan-2-ol

BEI- 40 mg/L

Medium: urine

Time: end of shift at end of workweek

Parameter: Acetone (background, non-specific)

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.

Avoid contact with the eyes

Clean skin thoroughly immediately after handling the product.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Do not eat or drink while working.

Respiratory protection: 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: 7.7

Change in condition

Melting point/melting range: undetermined

Boiling point/boiling range: 100 °C (212 °F)



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Flash point: >100 °C (212 °F)  
Ignition temperature: > 350 °C (> 662 °F)  
Auto-igniting: not determined  
Danger of explosion: product does not present an explosion hazard.  
Explosion limits: Lower: not applicable - Upper: not applicable  
Vapor pressure at 20 °C (68 °F): not determined  
Density at 20 °C: 1 g/cm<sup>3</sup> (8.345 lbs/gal)  
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:

Primary irritant effect:

On the eye: irritating effect

Sensitization: Sensitization possible through skin contact.

Additional toxicological information: the product shows the following dangers according to internally approved calculation methods for preparations: Irritant

### 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.



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### 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

UN "Model Regulation":

### 15. REGULATORY INFORMATION

Safety< health and environmental regulations/legislation specific for the substance or mixture.

SARA

Section 355 (extremely hazardous substances):

None of the ingredients are listed.

Section 313 (specific toxic chemical listings):

107-21-1 ethane-1,2-diol

67-63-0 propanol-2-ol

71-36-3 butanol

TSCA (toxic substances control act)

All components are included in the TSCA inventory and or/comply with TSCA regulations.

Chemicals known to cause cancer:

None of the ingredients are listed

TLV (threshold limit value established by ACGIH)

107-21-1 ethane-1,2-diol A4

67-63-0 propan-2-ol

OSHA (occupational safety and health administration)

The product does not contain any carcinogenic substances according to OSHA criterias.

Observe the general safety regulations when handling chemicals

### 16. OTHER INFORMATION

Relevant phrases

H225 Highly flammable liquid and vapor.

H302 Harmful if swallowed

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage

H319 Causes serious eye irritation

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

R11 Highly Flammable



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- R22: Harmful if swallowed
- R36 Irritating to eyes
- R37 Irritating to respiratory system
- R38 Irritating to skin
- R41 Risk of serious damage to eyes
- R43 May cause sensitization by skin contact.
- R50 Very toxic to aquatic organisms.
- R67 Vapor may cause drowsiness and dizziness.

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.

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