
SAFETY DATA SHEET

SECTION 1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

- Product Name: Printhead Cleaning Fluid
- Product Description: Cleaning fluid for inkjet printers

1.2 Relevant identified uses of the substance or mixture and uses advised against

- Use of the substance/mixture: SU 21 Consumer uses: Private households/general public/consumers; Cleaning agent
- Use advised against: No information available

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Printhead Hospital
- Address of Supplier: 22 Regent Avenue
Horsforth
LS18 4NJ
UK
- Telephone: 08448 708365
- Email: Support@printheadhospital.co.uk

1.4 Emergency telephone number

- Emergency Telephone: 08448 708365
(09:00 - 17:00 Mon - Fri)
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SECTION 2 Hazards identification

2.1 Classification of the substance or mixture

- Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Not Classified
- Additional information: For full text of Hazard- and EU Hazard-statements: see section 16

2.2 Label elements

- Label requirements for the Detergents Regulation (EC 684/2004, 907/2006): <5% anionic surfactants, non-ionic surfactants, ammonia, perfumes, 2-BROMO-2-NITROPROPANE-1,3-DIOL

2.3 Other hazards

- May cause irritation to skin, eyes and the respiratory tract.
 - Not a PBT according to REACH Annex XIII
 - Not a vPvB according to REACH Annex XIII
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SECTION 3 Composition/information on ingredients

3.1 Substances

3.2 Mixtures

- ammonia%
CAS Number: 1336-21-6
EC Number: 215-647-6
Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Skin Corr. 1B, H314, STOT SE 3, H335, Aquatic Acute 1, H400
Substance with a workplace exposure limit, see Section 8
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SECTION 3 Composition/information on ingredients (....)

SECTION 4 First aid measures

4.1 Description of first aid measures

- Contact with eyes
If substance has got into eyes, immediately wash out with plenty of water for several minutes
Remove contact lenses, if present and easy to do. Continue rinsing.
Irrigate eyes thoroughly whilst lifting eyelids
If eye irritation persists: Get medical advice/attention.
- Contact with skin
Remove contaminated clothing
Gently wash with plenty of soap and water.
If skin irritation occurs: Get medical advice/attention.
- Ingestion
Rinse mouth with water (do not swallow)
Do NOT induce vomiting.
Never make an unconscious person vomit or drink fluids
Get medical advice/attention if you feel unwell.
- Inhalation
If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF exposed or concerned: Call a doctor.

4.2 Most important symptoms and effects, both acute and delayed

- May cause irritation to skin, eyes and the respiratory tract.

4.3 Indication of any immediate medical attention and special treatment needed

- Treat symptomatically
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SECTION 5 Fire-fighting measures

5.1 Extinguishing media

- In case of fire: use foam, carbon dioxide or dry agent to extinguish.

5.2 Special hazards arising from the substance or mixture

- Gives off irritating or toxic fumes (or gases) in a fire.

5.3 Advice for firefighters

- In case of fire: Stop leak if safe to do so.
 - Keep container(s) exposed to fire cool, by spraying with water
 - Collect contaminated fire extinguishing water separately. This MUST not be discharged into drains. Prevent fire extinguishing water from contaminating surface or ground water.
 - Special protective equipment: Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.
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SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

SECTION 6 Accidental release measures (....)

- Personal precautions for non-emergency personnel: Evacuate the area and keep personnel upwind; Avoid breathing vapours, mist or gas; Wear protective clothing as per section 8; Avoid contact with skin and eyes; Wash thoroughly after dealing with spillage; Eyewash bottles should be available
- Personal precautions for emergency responders: Wear chemical protection suit; Wear self-contained breathing apparatus (SCBA).

6.2 Environmental Precautions

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses
- If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

6.3 Methods and material for containment and cleaning up

- Stop leak if safe to do so.
- Contain the spillage using bunding
- Absorb spillage in inert material and shovel up
- Place in appropriate container
- Seal containers and label them
- Remove contaminated material to safe location for subsequent disposal
- Ventilate the area and wash spill site after material pick-up is complete

6.4 Reference to other sections

- Wear protective clothing as per section 8
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SECTION 7 Handling and storage**7.1 Precautions for safe handling**

- Ensure adequate ventilation
- Avoid breathing vapours, mist or gas
- Do not get in eyes, on skin, or on clothing.
- Contaminated clothing should be laundered before reuse
- Do not eat, drink or smoke when using this product.
- Eyewash bottles should be available

7.2 Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep cool.
- Keep out of reach of children
- Keep away from food, drink and animal feedingstuffs

7.3 Specific end use(s)

- Cleaning fluid for inkjet printers
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SECTION 8 Exposure controls/personal protection**8.1 Control parameters**

- ammonia%
the values given are for ammonia, anhydrous
(EU) OELV (long term TWA) 20 ppm 14 mg/m³
(EU) OELV (short term limit value) 50 ppm 36 mg/m³
WEL (long term) 25 ppm (UK)
WEL (long term) 18 mg/m³ (UK)
WEL (short term) 35 ppm (UK)
WEL (short term) 25 mg/m³ (UK)

8.2 Exposure controls

SECTION 8 Exposure controls/personal protection (....)

- Engineering controls should be provided which maintain airborne concentrations below the relevant guidelines
- In case of inadequate ventilation wear respiratory protection.
- In case of fire:
 - Wear suitable filtering half mask respirator approved to standard EN 149
 - Wear suitable protective clothing, including eye/face protection and gloves (nitrile are recommended)
 - The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.
 - The selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.
 - Wear safety glasses approved to standard EN 166.
 - Eyewash bottles should be available



Gloves



Goggles



Suit



Respirator

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance: Liquid, clear, colourless
- Odour: Slight smell of ammonia
- Odour threshold: No information available
- pH: 10.2
- Melting point/freezing point: Approx. 0°C
- Initial boiling point and boiling range: Approx. 100°C
- Flashpoint: Not applicable
- Evaporation Rate: No information available
- Flammability (solid,gas): Not applicable
- Upper/lower flammability or explosive limits: Not applicable
- Vapour Pressure: No information available
- Vapour Density: No information available
- Relative Density: Approx. 1.0 g/cm³
- Solubility(ies): Completely soluble in water
- Partition Coefficient (n-Octanol/Water): No information available
- Autoignition Temperature: No information available
- Decomposition temperature: No information available
- Viscosity: No information available
- Explosive Properties: No information available
- Oxidising Properties: No information available

9.2 Other information

- No information available

SECTION 10 Stability and reactivity

10.1 Reactivity

SECTION 10 Stability and reactivity (....)

- No hazardous reactions known if used for its intended purpose
 - 10.2 Chemical stability
 - Considered stable under normal conditions
 - 10.3 Possibility of hazardous reactions
 - No hazardous reactions known if used for its intended purpose
 - 10.4 Conditions to avoid
 - Keep away from heat and sources of ignition
 - 10.5 Incompatible materials
 - Incompatible with strong acids
 - Incompatible with alkalis (strong bases)
 - Incompatible with strong oxidizing substances
 - 10.6 Hazardous Decomposition Products
 - Decomposition products may include ammonia
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SECTION 11 Toxicological information

- 11.1 Information on toxicological effects
- Acute Toxicity
 - No experimental test data available for the mixture
 - LD50 (oral,rat) (aqueous ammonia) 350 mg/kg
 - Based on available data, the classification criteria are not met
 - Skin corrosion/irritation
 - Based on available data, the classification criteria are not met
 - Serious eye damage/irritation
 - Based on available data, the classification criteria are not met
 - Respiratory or skin sensitisation
 - Based on available data, the classification criteria are not met
 - Germ cell mutagenicity
 - No information available
 - Carcinogenicity
 - No information available
 - Reproductive toxicity
 - No information available
 - Specific target organ toxicity (STOT) - single exposure
 - No information available
 - Specific target organ toxicity (STOT) - repeated exposure
 - No information available
 - Aspiration hazard
 - No information available
 - Contact with eyes
 - May cause eye irritation
 - Contact with skin
 - May cause irritation
 - Ingestion
 - May cause nausea/vomiting
 - May cause gastro-intestinal disturbances
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SECTION 11 Toxicological information (....)

- Inhalation
 - May cause coughing
 - May cause respiratory tract irritation.
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SECTION 12 Ecological information

12.1 Toxicity

- No experimental test data available for the mixture
- Based on available data, the classification criteria are not met
- ammonia%
 - EC50 (daphnia) 89 mg/l (48 hr)
 - EC50 (fish) <1 mg/l (48 hr)

12.2 Persistence and degradability

- The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bioaccumulation Potential

- Log Kow - not available for the mixture
- Bioaccumulation is not expected

12.4 Mobility in soil

- No information available

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII
- Not a vPvB according to REACH Annex XIII

12.6 Other Adverse Effects

- No information available
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SECTION 13 Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Do not reuse empty containers without commercial cleaning or reconditioning

13.2 Classification

- Waste Codes in accordance with the European Waste catalogue (EWC) are origin-defined. Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority.
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SECTION 14 Transport information

Not classified as hazardous for transport

14.1 UN Number

- UN No.: Not applicable

14.2 UN Proper Shipping Name

- Proper Shipping Name: Not applicable

14.3 Transport hazard class(es)

Revision: 23 Mar 2016

SECTION 14 Transport information (....)

- Hazard Class: Not applicable
 - 14.4 Packing group
 - Packing Group: Not applicable
 - 14.5 Environmental hazards
 - Not classified as hazardous for transport
 - 14.6 Special precautions for user
 - No information available
 - 14.7 Transport in bulk according to Annex II of MARPOL and the IBC code
 - Not applicable
 - 14.8 Road/Rail (ADR/RID)
 - Proper Shipping Name: Not applicable
 - ADR UN No.: Not applicable
 - ADR Hazard Class: Not applicable
 - ADR Packing Group: Not applicable
 - Tunnel Code: Not applicable
 - 14.9 Sea (IMDG)
 - Proper Shipping Name: Not applicable
 - IMDG UN No.: Not applicable
 - IMDG Hazard Class: Not applicable
 - IMDG Pack Group.: Not applicable
 - 14.10 Air (ICAO/IATA)
 - Proper Shipping Name: Not applicable
 - ICAO UN No.: Not applicable
 - ICAO Hazard Class: Not applicable
 - ICAO Packing Group: Not applicable
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SECTION 15 Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
 - This Safety Data Sheet is provided in compliance with REACH Regulation (EC) No 1907/2006 as amended by Regulation (EU) 2015/830
 - Label requirements for the Detergents Regulation (EC 684/2004, 907/2006): <5% anionic surfactants, non-ionic surfactants, ammonia, perfumes, 2-BROMO-2-NITROPROPANE-1,3-DIOL
 - 15.2 Chemical Safety Assessment
 - A REACH chemical safety assessment has not been carried out
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SECTION 16 Other information

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication, however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

Text not given with phrase codes where they are used elsewhere in this safety data sheet: