



Material Safety Data Sheet

Samsung M41 Black

Revision 1.0
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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product: ink used to fill Samsung M41 BK reman cartridge

Supplier: Supplies Team

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.

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
2-Pyrrolidone	616-45-5	1-10%	Eye Irrit. 2, H319

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

4. FIRST AID MEASURES

General information: no special measures required.

Skin contact: wash the skin with soap and water.

Eye contact: rinse opened eye thoroughly with running water for 15 minutes.

Ingestion: rinse mouth thoroughly. Do Not Induce Vomiting. If symptoms persist, consult a doctor.

Inhalation: supply fresh air; seek medical attention if irritation persists

Information for doctor:

Most important symptoms and effects, both acute and delayed: 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: suitable extinguishing agents: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: 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:

Clean-up procedures: absorb with liquid-binding material (sand, diatomite, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

7. HANDLING AND STORAGE

Precautions for safe handling: ensure adequate ventilation of the working area. Avoid contact with eyes and skin

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.

Information about storage in one common facility: not required

Further information about storage conditions: none

Specific end use: no further relevant information available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredients with limit values: Not required.

Exposure controls:

Personal protective equipment:

General protective and hygienic measures:

Keep away from food, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

Respiratory protection:

In case of exposure or low pollution use respiratory filter device. In case of longer or longer exposure use self-contained respiratory protective device.

Eye/face protection: approved safety goggles

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

General information

Appearance: liquid

Colour: Black

Odour: characteristic

pH value at 20°C: 8-9

Solubility in water: Miscible

Density at 20°C: 1.02-1.06g/cm³



Viscosity: kinematic at 20°C: 2.85mm²/s
Self-igniting: Product is not self-igniting.
Product does not present an explosion hazard

10. STABILITY AND REACTIVITY

Reactivity: stable under normal conditions.
Chemical stability: stable under normal conditions
Thermal decomposition / conditions to be avoided: no decomposition if used according to specifications.
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 decompositions products: burning produces irritating toxic fumes.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects
Acute toxicity:
Primary irritant effect:
On the skin: may cause irritation to skin
On the eye: may cause irritation to eyes
Sensitization: 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 according to specifications, the product does not have any harmful effects to our experience and the information to us.

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: 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 and national regulations. Do not allow product to reach sewage system.

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



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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

Chemical safety assessment: A chemical safety assessment has not been carried out.

16. OTHER INFORMATION

Risk phrases in full

H319 causes serious eye irritation.

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.