

MATERIAL SAFETY DATA SHEET

according to Regulation No. 1907/2006



PRODUCT No.:
2A001ER

PRODUCT NAME:
Wash-up

Report Date: **2008.02.26**
Revision Date: **2008.02.28**

1. Identification of the substance/preparation and company/undertaking

| | |
|-------------------------------|---------------------------------|
| Product No: 2A001ER | Product name: Wash-up |
|-------------------------------|---------------------------------|

Application: wash-up

Manufacturer: EBS Ink-Jet Systeme GmbH
Address: Alte Ziegelei 19-25
D-51588 Nümbrecht - Elsenroth
Phone number: +49(0)2293/939-0
Telefax: +49(0)2293/939-3
E-Mail: mail@ebs-inkjet.de

Emergency telephone: Resuscitation Centre of the Free University of Berlin
telephone: +49 (0) 30 3035-3466

1. Hazards identification

Classification: Highly flammable
Physical and chemicals hazards: Highly flammable.
Human health hazards: Repeated exposure may cause skin dryness or cracking.
Vapours may cause drowsiness and dizziness.
Environmental hazards: Mix with water – migrates easily in ground and water environments.

2. Composition/information on ingredients

| Component name | CAS-No. | WE-No. | Content [%] | Classification |
|----------------|---------|-----------|-------------|----------------|
| Ethanol | 64-17-5 | 200-578-6 | to 100 % | F; R:11 |

The full text for all R-Phrases are displayed in section No.16.

3. First aid measures

General hints: Carry the victim out of the hazardous area and lay them down. Should respiration become irregular or standstill, give artificial respiration. If the clothing is contaminated with the product, take it off immediately.

Eye contact: Rinse wide open eyes with running water for a few minutes and consult doctor.

Skin contact: Take off contaminated clothing and wash affected spots on the skin with soap and a lot of water; do not use any solvents.

Ingestion: Make the victim drink a lot of water – consult a doctor immediately.

Inhalation: Ensure a supply of fresh air – if the suffering persists, consult a doctor.

4. Fire-fighting measures:

Fire extinguishing agents: fire powder, carbon dioxide (CO₂), foam, sprayed water jet.
Hazardous decomposition products: CO, CO₂ in the case of fire.

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5. Accidental release measures:

| | |
|--|---|
| Personal precautions : | Splash goggles. Full suit. Vapour respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. |
| Environmental precautions and cleanup methods : | Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with dry earth, sand or noncombustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas ; dike if needed. |

7. Handling and storage:

| | |
|--------------------------|---|
| Handling: | Do not eat or drink while handling the product. Handle the product with care and keep clean. Avoid contact with eyes. Do not inhale the vapours. Keep containers in a well ventilated room and away from ignition sources. |
| Explosion Hazard: | Do not smoke. Take action to protect it against static electricity. |
| Storage: | Protect against heat and exposure to sun radiation in compliance with Inflammable Fluid Regulations. Store in a cool place, otherwise pressure may rise and a risk of disruption occur.. |

8. Exposure controls/personal protection:

Exposure limits according to Hazardous Material Regulations:

| Compound | MAK [mg/m ³] |
|----------|--------------------------|
| Ethanol | 1900 |

Airways protection: Ensure good ventilation if major amounts of the product are used.
Hand protection: Wear solvent resistant gloves of latex or the like.
Eye protection: Wear tight protective glasses.

9. Physical and chemical properties:

State and appearance: fluid
Colour: clean
Smell: alcohol-like
Explosion limits: lower: 3,5 %Vol.
upper: 15 %Vol.
pH: n.a.
Boiling point: 78°C at 1013 hPa
Vapour pressure: 59 hPa / 20°C
Auto-ignition point: 425°C
Ignition point: 15°C
Water solubility: partially miscible
Organic solvent solubility: miscible with almost all such solvents

10. Stability and reactivity:

Stability: The product is stable.
Thermal decomposition: no decomposition occurs, if it is stored and handled appropriately.
Hazardous decomposition products: CO, CO₂ in the case of fire.
Hazardous reactions: no hazardous reactions, if it is used for purposes it is designed for application.

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10. Toxicological information:

| Compound | Toxicological information |
|----------|---|
| Ethanol | LD ₅₀ Oral Rat : 7060 mg/kg LD ₅₀ Oral Rabbit : 6300 mg/kg |

Inhalation:

Vapour concentration exceeding exposure limits can cause dizziness and headache and can affect the central nervous system.

Contact with skin:

Irritation can occur. Longer or repeated contact with skin makes the skin lose natural fat and can cause dermatitis.

11. Ecological information:

Poses a hazard to water if major amounts infiltrate into ground or surface water. Do not allow it to get into a sewerage system; an explosion hazard can occur.

Mobility:

no data available

Bioaccumulative potential:

no data available

Results of PBT assessment:

no data available

12. Disposal considerations:

Waste code: 08 03 12* – Printing ink waste products which contain dangerous material.

The waste code numbers are recommendations based on standard use. For special use or disposal, other waste code numbers may be applicable. Observe respective environment regulations.

13. Transport information:

14.1. By road

Class / Packing Group: 3 / II
UN No.: UN 1170
Transport Description: UN 1170
Sign:



14.2. By sea

Class / Packing Group: 3 / II
UN No.: UN 1170
Transport Description: Ethanol
Sign:



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14.3. By air

Class / Packing Group:

3 / II

UN No.:

UN 1170

Transport Description:

Ethanol

Sign:



14. Regulatory information:



F
Highly flammable

Contains :

Ethanol

S-Phrases:

S 2 Keep out of the reach of children

S 7 Keep container tightly closed

S 16 Keep away from sources of ignition – no smoking

S 43 In case of fire use CO₂ (carbon dioxide) and foam extinguisher

Class as per Inflammable Fluid Regulations: A I

16. Other information:

R 11

Highly flammable

MSDS has been produced on the basis of the following documents:

Dangerous Preparations Directive 1999/45/EC, Directive 67/548/EWG and REACH-Regulation No. 1907/2006.

The data is based on the current state of our knowledge.

Nevertheless it should not be considered a promise of product properties or make grounds for any legal relation.