

# Safety data sheet

according to 1907/2006/EC, Article 31

**Fotospeed**  
for every print

Printing date 17.02.2020

version no: 2

Revision: 17.02.2020

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

- 1.1 Product identifier**
- Trade name: (FD-10) B & W Film Developer**
- Article number:** 100140
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- Application of the substance / the mixture** Developer for photographic use
- 1.3 Details of the supplier of the safety data sheet**
- Manufacturer/Supplier:**  
Jay House LTD  
Unit 6B, Parklane IND EST, Corsham, SN13 9LG  
Tel.: +44 (0) 1249714555; www.Fotospeed.com;  
E-mail: info@fotospeed.com
- Further information obtainable from:** Department product safety. E-Mail: info@fotospeed.com .
- 1.4 Emergency telephone number:** Jay House Ltd Tel.:+44(0) 1249 714555 (open: 8am till 5pm)

## SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture**
- Classification according to Regulation (EC) No 1272/2008**  
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
- 
- 2.2 Label elements**
- Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- Hazard pictograms** Void
- Signal word** Void
- Hazard statements**  
H412 Harmful to aquatic life with long lasting effects.
- Precautionary statements**  
P273 Avoid release to the environment.  
P501 Dispose of contents/container in accordance with local regulations.
- Additional information:**  
Contains Bis(4-hydroxy-N-methylanilinium) sulphate, hydroquinone. May produce an allergic reaction.
- 2.3 Other hazards**
- Results of PBT and vPvB assessment**
- PBT:** Not applicable.
- vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

- 3.2 Chemical characterisation: Mixtures**
- Description:** Mixture of substances listed below and with nonhazardous additions.
- Dangerous components:**

|                           |  |      |
|---------------------------|--|------|
| CAS: 584-08-7             | potassium carbonate  | 1-5% |
| EINECS: 209-529-3         | ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 |      |
| Reg.nr.: 01-2119532646-36 |  |      |

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|  |  |          |
|--|--|----------|
| CAS: 55-55-0   | Bis(4-hydroxy-N-methylanilinium) sulphate                      | 0.1- <1% |
| EINECS: 200-237-1  | ☠ STOT RE 2, H373; ☠ Aquatic Acute 1, H400; Aquatic Chronic 1, |          |
| Index number: 650-031-00-4   | H410; ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317                 |          |
| CAS: 123-31-9  | hydroquinone   | 0.1- <1% |
| EINECS: 204-617-8  | ☠ Muta. 2, H341; Carc. 2, H351; ☠ Eye Dam. 1, H318; ☠ Aquatic  |          |
| Index number: 604-005-00-4   | Acute 1, H400 (M=10); ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317 |          |
| Reg.nr.: 01-2119524016-51  |  |          |
| CAS: 92-43-3   | 1-Phenyl-3-pyrazolidone  | 0.1- <1% |
| EINECS: 202-155-1  | ☠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302                |          |
| Index number: 606-022-00-2   |  |          |
| . <b>Additional information:</b> For the wording of the listed hazard phrases refer to section 16. |  |          |

## SECTION 4: First aid measures

### . 4.1 Description of first aid measures

- . **General information:** Immediately remove any clothing/shoes soiled by the product.
- . **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- . **After skin contact:** Immediately rinse with water.
- . **After eye contact:** Rinse opened eye for several (15 min) under running water.
- . **After swallowing:** Rinse out mouth and then drink plenty of water.

### . 4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

### . 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## SECTION 5: Firefighting measures

### . 5.1 Extinguishing media

#### . Suitable extinguishing agents:

CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

### . 5.2 Special hazards arising from the substance or mixture

Nitrogen oxides (NO<sub>x</sub>)

Carbon monoxide (CO)

Sulphur dioxide (SO<sub>2</sub>)

### . 5.3 Advice for firefighters

- . **Protective equipment:** No special measures required.

## SECTION 6: Accidental release measures

- . **6.1 Personal precautions, protective equipment and emergency procedures** Ensure adequate ventilation

### . 6.2 Environmental precautions:

Inform respective authorities in case of seepage into water course or sewage system.

Dilute with plenty of water.

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

### . 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Pick up mechanically.

### . 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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## SECTION 7: Handling and storage

- . **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- . **Information about fire - and explosion protection:** No special measures required.
- . **7.2 Conditions for safe storage, including any incompatibilities**
- . **Storage:**
- . **Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.
- . **Information about storage in one common storage facility:** Store away from foodstuffs.
- . **Further information about storage conditions:**
  - Protect from heat and direct sunlight.
  - Recommended storage temperature: 5-30°C
  - Protect from exposure to the light.
- . **7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

- . **Additional information about design of technical facilities:** No further data; see item 7.
- . **8.1 Control parameters**
- . **Ingredients with limit values that require monitoring at the workplace:**
- 102-71-6 Triethanolamine (5-10%)**
- TLV (USA) Long-term value: 5 mg/m<sup>3</sup>
- . **Additional information:** The lists valid during the making were used as basis.
- . **8.2 Exposure controls**
- . **Personal protective equipment:**
- . **General protective and hygienic measures:**
  - The usual precautionary measures are to be adhered to when handling chemicals.
  - Keep away from foodstuffs, beverages and feed.
  - Wash hands before breaks and at the end of work.
  - Do not inhale gases / fumes / aerosols.
  - Avoid contact with the eyes and skin.
- . **Respiratory protection:** Not required.
- . **Protection of hands:**



Protective gloves

Impervious gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- . **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Butyl rubber, BR

Nitrile rubber, NBR

Neoprene gloves

- . **Penetration time of glove material**

| Glove material | breakthrough-time | layer thickness |
|----------------|-------------------|-----------------|
| Butyl rubber:  | ≥480 min          | ≥0,4mm          |

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Nitrile rubber:       ≥480 min               ≥0,38mm

Neoprene:            ≥240 min               ≥0,65mm

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

. **Eye protection:** Goggles recommended during refilling

. **Body protection:** Protective work clothing

### SECTION 9: Physical and chemical properties

#### . 9.1 Information on basic physical and chemical properties

##### . General Information

##### . Appearance:

|                  |              |
|------------------|--------------|
| . <b>Form:</b>   | Fluid        |
| . <b>Colour:</b> | Light yellow |
| . <b>Odour:</b>  | Odourless    |

|                             |     |
|-----------------------------|-----|
| . <b>pH-value at 20 °C:</b> | ~10 |
|-----------------------------|-----|

##### . Change in condition

|   |               |
|---|---------------|
| . <b>Melting point/freezing point:</b>            | Undetermined. |
| . <b>Initial boiling point and boiling range:</b> | > 100 °C      |

|                       |                 |
|-----------------------|-----------------|
| . <b>Flash point:</b> | Not applicable. |
|-----------------------|-----------------|

|                                     |                              |
|-------------------------------------|------------------------------|
| . <b>Auto-ignition temperature:</b> | Product is not selfigniting. |
|-------------------------------------|------------------------------|

|                                |   |
|--------------------------------|---|
| . <b>Explosive properties:</b> | Product does not present an explosion hazard. |
|--------------------------------|---|

|                                    |        |
|------------------------------------|--------|
| . <b>Vapour pressure at 20 °C:</b> | 23 hPa |
|------------------------------------|--------|

|                            |                         |
|----------------------------|-------------------------|
| . <b>Density at 20 °C:</b> | 1.113 g/cm <sup>3</sup> |
|----------------------------|-------------------------|

|  |                 |
|--|-----------------|
| . <b>Solubility in / Miscibility with water:</b> | Fully miscible. |
|--|-----------------|

##### . Solvent content:

|                            |         |
|----------------------------|---------|
| . <b>Organic solvents:</b> | 9.8 %   |
| . <b>Water:</b>            | 50-90 % |

|                          |       |
|--------------------------|-------|
| . <b>Solids content:</b> | 0.0 % |
|--------------------------|-------|

|                                |  |
|--------------------------------|--|
| . <b>9.2 Other information</b> | No further relevant information available. |
|--------------------------------|--|

### SECTION 10: Stability and reactivity

. **10.1 Reactivity** No further relevant information available.

#### . 10.2 Chemical stability

. **Thermal decomposition / conditions to be avoided:** Stable at environment temperature.

. **10.3 Possibility of hazardous reactions** Reacts with acids releasing sulphur dioxide.

. **10.4 Conditions to avoid** No further relevant information available.

#### . 10.5 Incompatible materials:

Nitrogen oxides (NO<sub>x</sub>)  
 Carbon monoxide (CO)  
 Sulphur dioxide (SO<sub>2</sub>)

. **10.6 Hazardous decomposition products:** Irritant gases/vapours

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### SECTION 11: Toxicological information

#### . 11.1 Information on toxicological effects

- . **Acute toxicity** Based on available data, the classification criteria are not met.
- . **Primary irritant effect:**
- . **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.
- . **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- . **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- . **Carcinogenicity** Based on available data, the classification criteria are not met.
- . **Reproductive toxicity** Based on available data, the classification criteria are not met.
- . **STOT-single exposure** Based on available data, the classification criteria are not met.
- . **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- . **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

#### . 12.1 Toxicity

##### . Aquatic toxicity:

#### **55-55-0 Bis(4-hydroxy-N-methylanilinium) sulphate**

EC50 72h: 10 mg/l (alg)

19 mg/l (daphnia magna (Water flea))

48h: 0.02 mg/l (Invertebrates)

- . **12.2 Persistence and degradability** No further relevant information available.
- . **12.3 Bioaccumulative potential** No further relevant information available.
- . **12.4 Mobility in soil** No further relevant information available.

##### . Ecotoxicological effects:

. **Remark:** Harmful to fish

##### . Additional ecological information:

##### . General notes:

Do not allow product to reach ground water, water course or sewage system.

Harmful to aquatic organisms

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Danger to drinking water if even small quantities leak into the ground.

#### . 12.5 Results of PBT and vPvB assessment

. **PBT:** Not applicable.

. **vPvB:** Not applicable.

. **12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

#### . 13.1 Waste treatment methods

##### . Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

##### . European waste catalogue

09 01 01\* water-based developer and activator solutions

##### . Uncleaned packaging:

. **Recommendation:** Disposal must be made according to official regulations.

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. **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

## SECTION 14: Transport information

|   |                 |
|---|-----------------|
| . <b>14.1 UN-Number</b><br>. <b>ADR, ADN, IMDG, IATA</b>                                    | Void            |
| . <b>14.2 UN proper shipping name</b><br>. <b>ADR</b><br>. <b>ADN, IMDG, IATA</b>           | Void<br>Void    |
| . <b>14.3 Transport hazard class(es)</b><br>. <b>ADR, ADN, IMDG, IATA</b><br>. <b>Class</b> | Void            |
| . <b>14.4 Packing group</b><br>. <b>ADR, IMDG, IATA</b>                                     | Void            |
| . <b>14.5 Environmental hazards:</b><br>. <b>Marine pollutant:</b>                          | No              |
| . <b>14.6 Special precautions for user</b>  | Not applicable. |
| . <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>            | Not applicable. |
| . <b>UN "Model Regulation":</b>   | Void            |

## SECTION 15: Regulatory information

- . **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**  
. **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3  
. **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- . **Relevant phrases**  
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.  
H341 Suspected of causing genetic defects.  
H351 Suspected of causing cancer.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H400 Very toxic to aquatic life.  
H410 Very toxic to aquatic life with long lasting effects.  
H411 Toxic to aquatic life with long lasting effects.  
. **Contact:** E: info@fotospeed.com .

. **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

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ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity - oral – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Muta. 2: Germ cell mutagenicity – Category 2

Carc. 2: Carcinogenicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

**\* Data compared to the previous version altered.**

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