

Safety data sheet for cosmetic use

Printing date 02.11.2016

version no: 3

Revision: 02.11.2016

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


- . **1.1 Product identifier**
- . **Trade name: (CF-41) B&W Fixer**
- . **Article number:** 100139
- . **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** Fixing bath for photographic use
- . **1.3 Details of the supplier of the safety data sheet**
- . **Manufacturer/Supplier:**
Fotospeed (Jay House Ltd.)
Unit 6B, Park Lane Industrial Estate, Corsham, Wiltshire
SN13 9LG
01249 714555
www.fotospeed.com; sales@fotospeed.com

- . **Further information obtainable from:** sales@fotospeed.com
- . **1.4 Emergency telephone number:** 01249 714555

SECTION 2: Hazards identification

- . **2.1 Classification of the substance or mixture**
- . **Classification according to Regulation (EC) No 1272/2008**
Eye Irrit. 2 H319 Causes serious eye irritation.

- . **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.

- . **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**

GHS07
- . **Signal word** Warning
- . **Hazard statements**
H319 Causes serious eye irritation.
- . **Precautionary statements**
P280 Wear protective gloves / eye protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
- . **2.3 Other hazards**
- . **Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.

(Contd. on page 2)

EN

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. **vPvB:** Not applicable.










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SECTION 3: Composition/information on ingredients

. 3.2 Chemical characterisation: Mixtures

. **Description:** Mixture of substances listed below and with nonhazardous additions.

. **Dangerous components:**

CAS: 7631-90-5	sodium bisulphite	1-5%
EINECS: 231-548-0	 Xn R22	
Index number: 016-064-00-8	R31	
	 Acute Tox. 4, H302	
CAS: 107-21-1	ethylene glycol	1-5%
EINECS: 203-473-3	 Xn R22	
Index number: 603-027-00-1	 STOT RE 2, H373;  Acute Tox. 4, H302	
Reg.nr.: 01-2119456816-28		
CAS: 7681-57-4	sodium metabisulphite	1-5%
EINECS: 231-673-0	 Xn R22;  Xi R41	
Index number: 016-063-00-2	R31	
Reg.nr.: 01-2119531326-45	 Eye Dam. 1, H318;  Acute Tox. 4, H302	

. **Additional information:** 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 skin contact:** Immediately rinse with water.

. **After eye contact:** Rinse opened eye for several (15 min) under running water.

. **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.

. 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:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

. 5.2 Special hazards arising from the substance or mixture No further relevant information available.

. 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:

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.

(Contd. on page 3)

Safety data sheet for cosmetic use

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version no: 3

Revision: 02.11.2016

Trade name:(CF-41) B&W Fixer

(Contd. of page 2)

. **6.4 Reference to other sections** No dangerous substances are released.

SECTION 7: Handling and storage

- . **7.1 Precautions for safe handling** No special measures required.
- . **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.
Store under lock and key and out of the reach of children.
Recommended storage temperature: 5-30 °C
- . **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:**

7631-90-5 sodium bisulphite (3-5%)

WEL (Great Britain) Long-term value: 5 mg/m³

REL (USA) Long-term value: 5 mg/m³

TLV (USA) Long-term value: 5 mg/m³

107-21-1 ethylene glycol (1- <3%)

WEL (Great Britain) Short-term value: 104** mg/m³, 40** ppm

Long-term value: 10* 52** mg/m³, 20** ppm

Sk *particulate **vapour

IOELV (EU) Short-term value: 104 mg/m³, 40 ppm

Long-term value: 52 mg/m³, 20 ppm

Skin

TLV (USA) Long-term value: NIC-10* mg/m³

C e i l i n g

: (100) mg/m³

(H);*as inhalable fraction and vapor

7681-57-4 sodium metabisulphite (1- <2%)

WEL (Great Britain) Long-term value: 5 mg/m³

REL (USA) Long-term value: 5 mg/m³

TLV (USA) Long-term value: 5 mg/m³

. **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.

Avoid contact with the eyes and skin.

Do not inhale gases / fumes / aerosols.

Do not eat, drink, smoke or sniff while working.

. **Respiratory protection:** Ensure adequate ventilation

(Contd. on page 4)

Safety data sheet for cosmetic use

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version no: 3

Revision: 02.11.2016

Trade name:(CF-41) B&W Fixer

(Contd. of page 3)

. Protection of hands:

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



Protective gloves

. 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
Nitrile rubber:	>480 min	≥0,38mm
Neoprene:	>240 min	≥0,65mm

. Eye protection:



Tightly sealed goggles

Safety glasses

. Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

. 9.1 Information on basic physical and chemical properties

. General Information

. Appearance:

Form:	Fluid
Colour:	Colourless
Odour:	Recognisable

. pH-value at 20 °C: ~5.2

. Change in condition

Melting point/Melting range: Undetermined.
Boiling point/Boiling range: > 100 °C

. Flash point: Not applicable.

. Self-igniting: Product is not selfigniting.

. Danger of explosion: Product does not present an explosion hazard.

. Vapour pressure: Not determined.

. Density at 20 °C: ~1.33 g/cm³

. Solubility in / Miscibility with water: Fully miscible.

(Contd. on page 5)

**Safety data sheet
for cosmetic use**

Printing date 02.11.2016

version no: 3

Revision: 02.11.2016

Trade name: (CF-41) B&W Fixer

(Contd. of page 4)

- | | |
|--------------------------------|--|
| . Viscosity: | |
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |
| . Solvent content: | |
| Water: | >38 % |
| . 9.2 Other information | 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:** No decomposition if used according to specifications.
- . **10.3 Possibility of hazardous reactions** Reacts with acids, alkalis and oxidising agents.
- . **10.4 Conditions to avoid** No further relevant information available.
- . **10.5 Incompatible materials:** No further relevant information available.
- . **10.6 Hazardous decomposition products:** Irritant gases/vapours

SECTION 11: Toxicological information

- . **11.1 Information on toxicological effects**
- . **Acute toxicity** Based on available data, the classification criteria are not met.
- . **LD/LC50 values relevant for classification:**
- 7631-90-5 sodium bisulphite**
Oral LD50 1540 mg/kg (rat)
- 107-21-1 ethylene glycol**
Oral LD50 5840 mg/kg (rat)
9530 mg/kg (rabbit)
- 7681-57-4 sodium metabisulphite**
Oral LD50 1540 mg/kg (rat)
- . **Primary irritant effect:**
- . **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- . **Serious eye damage/irritation**
Causes serious eye irritation.
- . **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:**
- 107-21-1 ethylene glycol**
EC50 48h: >10000 mg/l (daphnia magna (Water flea))

(Contd. on page 6)

Safety data sheet for cosmetic use

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Revision: 02.11.2016

Trade name: (CF-41) B&W Fixer

(Contd. of page 5)

LC50 96h: 18500 mg/l (fish: Oncorhynchus mykiss)

96h: 72860 mg/l (fish: Pimephales promelas)

7681-57-4 sodium metabisulphite

EC50 48h: 89 mg/l (daphnia magna (Water flea))

LC50 96h: 150-220 mg/l (fish: Oncorhynchus mykiss)

. **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.

. **Additional ecological information:**

. **General notes:**

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

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

. **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 04 fixer solutions

. **Uncleaned packaging:**

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

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

SECTION 14: Transport information

. **14.1 UN-Number**

. **ADR, ADN, IMDG, IATA** Void

. **14.2 UN proper shipping name**

. **ADR, ADN, IMDG, IATA** Void

. **14.3 Transport hazard class(es)**

. **ADR, ADN, IMDG, IATA**

. **Class** Void

. **14.4 Packing group**

. **ADR, IMDG, IATA** Void

. **14.5 Environmental hazards:**

. **Marine pollutant:** No

. **14.6 Special precautions for user** Not applicable.

. **14.7 Transport in bulk according to Annex II of**

Marpol and the IBC Code Not applicable.

. **UN "Model Regulation":** Void

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Printing date 02.11.2016

version no: 3

Revision: 02.11.2016

Trade name: (CF-41) B&W Fixer

(Contd. of page 6)

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.

H318 Causes serious eye damage.

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

R22 Harmful if swallowed.

R31 Contact with acids liberates toxic gas.

R41 Risk of serious damage to eyes.

. **Contact:** sales@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)

ICAO: International Civil Aviation Organisation

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

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

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

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

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