

# Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 17.02.2020

version no: 10

Revision: 17.02.2020

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

### 1.1 Product identifier

**Trade name: Fotospeed (CD11) Machine Developer**

**Article number:** 100143

#### **Idnumber**

None of the ingredients is listed.

### 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**

Eye Irrit. 2      H319 Causes serious eye irritation.  
Skin Sens. 1      H317 May cause an allergic skin reaction.  
Muta. 2            H341 Suspected of causing genetic defects.  
Carc. 2            H351 Suspected of causing cancer.  
Aquatic Acute 1 H400 Very toxic to aquatic life.

### 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

GHS08

GHS09

**Signal word** Warning

#### **Hazard-determining components of labelling:**

hydroquinone  
4-(hydroxymethyl)-4-methyl-1-phenylpyrazolidin-3-one (HMP)

#### **Hazard statements**

H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.  
H341 Suspected of causing genetic defects.  
H351 Suspected of causing cancer.  
H400 Very toxic to aquatic life.

#### **Precautionary statements**

P201                Obtain special instructions before use.  
P202                Do not handle until all safety precautions have been read and understood.  
P261                Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264                Wash hands thoroughly after handling.

(Contd. on page 2)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 17.02.2020

version no: 10

Revision: 17.02.2020

### Trade name: Fotospeed (CD11) Machine Developer

(Contd. of page 1)

P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P321	Specific treatment (see on this label).
P362+P364	Take off contaminated clothing and wash it before reuse.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P391	Collect spillage.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local regulations.

#### 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	5-10%
EINECS: 209-529-3	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	
Reg.nr.: 01-2119532646-36		
CAS: 140-01-2	Diethylenetriaminepentaacetic acid, pentasodium salt (DTPA-Na5)	1-5%
EINECS: 205-391-3	⚠ Repr. 2, H361; ⚠ Acute Tox. 4, H332	
Reg.nr.: 01-2119474445-33		
CAS: 123-31-9	hydroquinone	1-5%
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: 13047-13-7	4-(hydroxymethyl)-4-methyl-1-phenylpyrazolidin-3-one (HMP)	<1%
EINECS: 235-920-3	⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317	

. **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

. **After inhalation:** Supply fresh air and to be sure call for a doctor.

. **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

. **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

. **After swallowing:** If symptoms persist consult doctor.

### 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.

EN

(Contd. on page 3)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 17.02.2020

version no: 10

Revision: 17.02.2020

**Trade name: Fotospeed (CD11) Machine Developer**

(Contd. of page 2)

### 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** 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:**  
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).  
Dispose contaminated material as waste according to item 13.
- . **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- . **7.1 Precautions for safe handling** Keep receptacles tightly sealed.
- . **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:** No special requirements.
- . **Information about storage in one common storage facility:** Store away from foodstuffs.
- . **Further information about storage conditions:**  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.  
Store under lock and key and out of the reach of children.  
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:**

##### **123-31-9 hydroquinone (1-5%)**

WEL Long-term value: 0.5 mg/m<sup>3</sup>

#### . **DNELs**

##### **123-31-9 hydroquinone**

Dermal Long-term - systemic - effects 128 mg/kg bw/day (wkd)

Long-term - systemic effects 64 mg/kg bw/day (wkd)

Inhalative Long-term exposure-local effects 7 mg/m<sup>3</sup> (wkd)

Long-term - local - effects 1 mg/m<sup>3</sup> (wkd)

(Contd. on page 4)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 17.02.2020

version no: 10

Revision: 17.02.2020

**Trade name: Fotospeed (CD11) Machine Developer**

(Contd. of page 3)

Long-term - systemic effects 1.74 mg/m<sup>3</sup> (wkd)Long-term - local effects 0.5 mg/m<sup>3</sup> (wkd)**PNECs****123-31-9 hydroquinone**

Aquatic compartment - freshwater	0.000114 mg/l (Water)
Aquatic compartment - marine water	0.000114 mg/l (Water)
Aquatic compartment -water,intermittent releases	0.00134 mg/l (Water)
Aquatic compartment -sediment in freshwater	0.00098 mg/kg sed dw (Water)
Aquatic compartment -sediment in marine water	0.000097 mg/kg sed dw (Water)
Terrestrial compartment -soil	0.000129 mg/kg dw (Soil)
Sewage treatment plant (Abwasserreinigungsanlagen)	0.71 mg/l (Sewage Treatment Plant)

**Additional information:** The lists valid during the making were used as basis.

**8.2 Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes and skin.

**Respiratory protection:** Ensure adequate ventilation

**Protection of hands:**

Protective 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.

**Penetration time of glove material**

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

**As protection from splashes gloves made of the following materials are suitable:**

Nitrile rubber, NBR

Neoprene gloves

**Eye protection:**

Tightly sealed goggles

**Body protection:** Protective work clothing

-EN-

(Contd. on page 5)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 17.02.2020

version no: 10

Revision: 17.02.2020

Trade name: Fotospeed (CD11) Machine Developer

(Contd. of page 4)

### SECTION 9: Physical and chemical properties

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

##### . General Information

##### . Appearance:

Form:	Fluid
Colour:	Light yellow
Odour:	Nearly odourless

. pH-value at 20 °C: ~10.5

##### . Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Undetermined.

. Flash point: Not applicable.

. Auto-ignition temperature: Product is not selfigniting.

. Explosive properties: Product does not present an explosion hazard.

. Vapour pressure at 20 °C: 23 hPa

. Density at 20 °C: ~1.2 g/cm<sup>3</sup>

##### . Solubility in / Miscibility with water:

Fully miscible.

##### . Viscosity:

Dynamic:	Not determined.
Kinematic:	Not determined.

##### . Solvent content:

Organic solvents:	0.0 %
Water:	50-90 %

. 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: No dangerous reactions known.

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

. 10.5 Incompatible materials: No further relevant information available.

. 10.6 Hazardous decomposition products: No dangerous decomposition products known.

### 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:

##### 584-08-7 potassium carbonate

Oral LD50 >2000 mg/kg (rat)

##### 140-01-2 Diethylenetriaminepentaacetic acid, pentasodium salt (DTPA-Na5)

Oral LD50 >2000 mg/kg (rat)

##### 123-31-9 hydroquinone

Oral LD50 302 mg/kg (rat)

Dermal LD50 >2000 mg/kg (rabbit)

(Contd. on page 6)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 17.02.2020

version no: 10

Revision: 17.02.2020

**Trade name: Fotospeed (CD11) Machine Developer**

(Contd. of page 5)

**13047-13-7 4-(hydroxymethyl)-4-methyl-1-phenylpyrazolidin-3-one (HMP)**

Oral LD50 566 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**  
May cause an allergic skin reaction.
- . **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- . **Germ cell mutagenicity**  
Suspected of causing genetic defects.
- . **Carcinogenicity**  
Suspected of causing cancer.
- . **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:**

**140-01-2 Diethylenetriaminepentaacetic acid, pentasodium salt (DTPA-Na5)**

EC50 48h: >500 mg/l (daphnia magna (Water flea))

48h: >500 mg/l (Invertebrates)

LC50 96h: 1115 mg/l (fish)

96h: >1000 mg/l (Lepomis macrochirus (Sonnenbarsch))

**123-31-9 hydroquinone**

EC50 48h: 0.29 mg/l (daphnia magna (Water flea))

LC50 96h: 0.044 mg/l (fish: Pimephales promelas)

**13047-13-7 4-(hydroxymethyl)-4-methyl-1-phenylpyrazolidin-3-one (HMP)**

LC50 1-10 mg/l (fish)

- . **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.

(Contd. on page 7)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 17.02.2020

version no: 10

Revision: 17.02.2020

**Trade name: Fotospeed (CD11) Machine Developer**

(Contd. of page 6)

**European waste catalogue**

09 01 01 water-based developer and activator 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, IMDG, IATA** UN3082

**14.2 UN proper shipping name**
**ADR** 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Hydroquinone (1,4-dihydroxybenzene))

**IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (hydroquinone, 4-(hydroxymethyl)-4-methyl-1-phenylpyrazolidin-3-one (HMP)), MARINE POLLUTANT

**IATA** Environmentally hazardous substance, liquid, n.o.s. (hydroquinone, 4-(hydroxymethyl)-4-methyl-1-phenylpyrazolidin-3-one (HMP))

**14.3 Transport hazard class(es)**
**ADR**
**Class** 9 (M6) Miscellaneous dangerous substances and articles.

**Label** 9

**IMDG, IATA**
**Class** 9 Miscellaneous dangerous substances and articles.

**Label** 9

**14.4 Packing group**
**ADR, IMDG, IATA** III

**14.5 Environmental hazards:** Product contains environmentally hazardous substances: hydroquinone

**Marine pollutant:** Yes  
Symbol (fish and tree)

**Special marking (ADR):** Symbol (fish and tree)

**Special marking (IATA):** Symbol (fish and tree)

**14.6 Special precautions for user**

Warning: Miscellaneous dangerous substances and articles.

**Hazard identification number (Kemler code):** 90

**EMS Number:** F-A,S-F

**Segregation groups** Alkalis

**Stowage Category** A

**14.7 Transport in bulk according to Annex II of**
**Marpol and the IBC Code** Not applicable.

**Transport/Additional information:**
**ADR**
**Limited quantities (LQ)** 5L

**Excepted quantities (EQ)** Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

**Transport category** 3

(Contd. on page 8)

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 17.02.2020

version no: 10

Revision: 17.02.2020

**Trade name: Fotospeed (CD11) Machine Developer**

(Contd. of page 7)

. <b>Tunnel restriction code</b>	E
. <b>IMDG</b>	
. <b>Limited quantities (LQ)</b>	5L
. <b>Excepted quantities (EQ)</b>	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
. <b>UN "Model Regulation":</b>	UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., 9, III

### SECTION 15: Regulatory information

- . **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- . **Directive 2012/18/EU**
- . **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t
- . **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t
- . **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.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H341 Suspected of causing genetic defects.
- H351 Suspected of causing cancer.
- H361 Suspected of damaging fertility or the unborn child. Route of exposure: Oral.
- H400 Very toxic to aquatic life.
- 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)  
 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)  
 DNEL: Derived No-Effect Level (REACH)  
 PNEC: Predicted No-Effect Concentration (REACH)  
 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 - inhalation – 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

(Contd. on page 9)



**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 17.02.2020

version no: 10

Revision: 17.02.2020

**Trade name: Fotospeed (CD11) Machine Developer**

(Contd. of page 8)

Muta. 2: Germ cell mutagenicity – Category 2

Carc. 2: Carcinogenicity – Category 2

Repr. 2: Reproductive toxicity – Category 2

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

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

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

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

-EN-