

Fotospeed

Material Safety Data Sheet

According to 1907/2006/EC, article 31

Printing date 10.12.2010

Version #1

Revision 10.12.2010

Trade Name WT10 Paper Developer

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

Product details

Trade Name: Fotospeed WT10

Article number: 02530 – 1 Litre 02540 – 5 Litre

Application of Substance: Paper Developer for B+W photographic use

Manufacturer/ Supplier

Jay House Ltd T/a Fotospeed
Unit 6 B Park Lane Ind Estate
Park Lane
Corsham
SN13 9LG
Tel +44 (0)1249 714555
Fax: +44 (0)1249 714999
www.fotospeed.com
E-mail: info@fotospeed.com

Further information obtainable from: Dept of Environment and Safety: info@fotospeed.com

Information in case of emergency: Poison Information Centre West Midlands: 0844 892 0111

2. Hazard Identification

GHS label elements

Classification of the substance or mixture

Classification according to regulation (EC) No 1272/2008



GHS08 Health Hazard

Muta. 2
Carc.2

H341 – Suspected of causing genetic defects
H351 – Suspected of causing cancer



GHS09 Environment

Aquatic Acute 1 – Very toxic to aquatic life

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GHS07

Eye Irrit. 2 – H319 Causes serious eye irritation
Skin Sens. 1 – H317 May cause an allergic skin reaction

Classification according to directive 67/548/EEC or Directive 1999/45/EC



Xn Harmful

R40-68 Limited evidence of carcinogenic effect. Possible risk of irreversible effect



Xi Irritant

R36 Irritating to eyes



Xi Sensitising

R43 May cause sensitisation by skin contact



Xn Dangerous for the environment

R50 Very Toxic to aquatic organisms

Information concerning particular hazards for human and the environment:

The product has to be labelled due the calculation procedure of the 'General Classification Guideline for Preparations of the EU' in the latest version.

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Classification system:

The Classification is according to the latest EU list and extended by company literature and data.

Label elements:

Labelling according to EU guidelines:

This product has been classified and marked in accordance with EU Directives/Ordinance on Hazardous Materials.

Code Letter and hazard designation of product:



Xn Harmful

N Dangerous for the environment

Hazard determining components of labelling:

123-31-9 Hydroquinone (1,4-dihydroxybenzene)

Risk phrases:

- 36/38 Irritating to eyes and skin
- 40 Limited evidence of a carcinogenic effect
- 43 May cause sensitisation by skin contact
- 50 Very toxic to aquatic organisms
- 68 Possible risk of irreversible effects

Safety phrases:

- 36/37 Wear suitable protective clothing and gloves
- 57 Use appropriate container to avoid contamination

Other hazards:

Results of PBT and vPvP assessment

PBT Not applicable

vPvB Not applicable

3. Composition/information on ingredients

Chemical characterisation

Description: Mixture of substances listed below with nonhazardous additions

Dangerous Components		
CAS: 7757-83-7 EINECS: 231-821-4	Sodium Sulphite	10-25%
CAS: 584-08-7 EINECS 209-52903	Potassium Carbonate ☒ Xi R36/38 ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	5-10%
CAS: 140-01-02 EINECS: 205-391-3	Sodium diethylene triamine pentaacetic acid (DTPA-Na5) ☒ Xi R36 ⚠ Eye Irrit. 2, H319	1-5%
CAS: 123-31-0 EINECS: 204-617-8	Hydroquinone (1,4-dihydroxybenzene) ☒ Xn R22-40-68; ☒ Xi R41; ☒ XiR43; N R50 ⚠ Muta. 2, H341; Carc. 2, H351; ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1 H400; ⚠ Acute Tox. 4, H302; Scin Sens. 1, H317	2.5-5%
CAS: 13047-13-7 EINECS: 235-920-3	4-(hydroxymethyle)-4-methyl-1-phenylpyrazolidin-3-one Dimezone S) ☒ Xn R22; ☒ Xi R43; N R51/53 ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317	<1%

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4. First Aid Measures

In case of inhalation: Supply fresh air and seek immediate medical advice

In case of unconsciousness: Place in stable position for transportation.

In case of skin contact: Immediately wash with soap and water and rinse thoroughly

In case of eye contact: Rinse opened eye for several minutes (15) under running water.

In case of swallowing: Seek immediate medical advice.

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5. Fire Fighting Measures

Suitable extinguishing media: CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Advise to firefighters:

Protective equipment: No special measures required

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6. Accidental Release Measures

Personal safety precautions: Wear protective clothing. Ensure adequate ventilation

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

Method for containment, cleaning and collecting: Absorb with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of contaminated waste in accordance with item 13.

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7. Handling and Storage

Safe handling: Ensure good ventilation/exhaustion in the workplace

Prevent formation of aerosols. Keep containers tightly sealed

Fire and explosion protection: No special measures required.

Requirements for storerooms and containers: No special measures required.

Common facility storage requirements: Do not store with acids store away from foodstuffs.

Further information: Protect from heat and direct sunlight.

Store under lock and key and out of reach of children

Recommended storage temperature: 5-25⁰C

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8. Exposure controls/personal protection

Information on design and technical facilities: No further data, see item 7

Ingredients with limit values which require monitoring in the workplace:

123-31-9 Hydroquinone (1,4-dihydroxybenzene) (1-5%)

WEL Long term value : 0.5 mg/m³

Additional information:

Exposure controls:

Personal protective equipment:

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General protective and hygiene measures:

Keep away from food stuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing
Wash Hands before breaks and at the end of work
Avoid contact with skin
Avoid contact with eyes
Do not inhale gases/fumes/aerosols.

Respiratory protection

Not necessary if room is well ventilated.

Protection of hands



Protective gloves

The glove material has to be impervious and resistant to the product/substance/preparation.
No recommendation of glove material is available
Select glove material with consideration to the penetration times/ rates of diffusion and degradation

Glove Material

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

Penetration of glove material

The exact breakthrough time is to be found out by the manufacturer of the protective glove and has to be observed.

Glove material:

Butyl rubber - with breakthrough time ≥ 480 min, layer thickness ≥ 0.4 mm
Nitrile rubber - with breakthrough time ≥ 480 min, layer thickness ≥ 0.38 mm
Neoprene - with breakthrough time ≥ 240 min, layer thickness ≥ 0.65 mm

For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made with the following material are suitable

Butyl rubber BR
Nitrile rubber NBR

Eye protection:

Tightly sealed safety glasses.

Body protection: Protective work clothing
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9. Physical and Chemical Properties

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9. Physical and Chemical Properties

General:

Form	Fluid
Colour	Light yellow
Odour	Nearly odourless

Change in condition

Melting point	Undetermined
Boiling Point	<100°C
Flash Point	Not applicable
Self Igniting	Product is not self igniting
Danger of Explosion	Product does not present an explosion hazard
Vapour pressure @20°C	23 hPa
Density @20°C	1.227 g/cm ³
Solubility in/Miscibility with water	Fully miscible
pH-value @ 20°C	10.5

Solvent Content:

Organic	0.0%
Water	73.2%
Solids content	26.8%

10. Stability and Reactivity

Thermal decomposition/ conditions to be avoided: No decomposition if used according to specifications

Dangerous reactions: No dangerous reactions known

Dangerous decompositions products: No dangerous decomposition products known

11. Toxicological Information

Acute toxicity:

LD/LC50 values relevant for classification:

123-31-9 Hydroquinone (1,4-dihydroxybenzene)
Oral LD50 320 mg/kg (rat)

Primary irritant effect

Skin	No irritant effect
Eye	Irritant effect
Sensitisation	Sensitisation possible through skin contact

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Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

Sensitisation May cause sensitisation by skin contact

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12 Ecological Information

Aquatic toxicity

123-31-9 Hydroquinone (1,4-dihydroxybenzene)

EC50	48h:	0.29 mg/l	daphnia magna
LC50	96h:	0.044 mg/l	pimephales promelas

Persistence and degradability: No further information available

Ecotoxicological effects:

Remark: Harmful to fish.

Additional ecological information:

General notes:

Water hazard class 3 (self assessment): extremely hazardous for water.

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

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

Results of PBT and vPvD assessment

PBT Not applicable

vPvB Not applicable

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13 Disposal Considerations

Recommendation

Must not be disposed of with household waste.

Do not allow product to reach sewage system.

European waste catalogue: 09 01 01 water based developer and activator solutions.

Used Packaging:

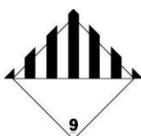
Recommendation: Disposal must be made in accordance with official regulations.

Recommended cleansing agent: Water, if necessary together with cleansing agent.

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14. Transport information

Land Transport ADR/RID (cross border)



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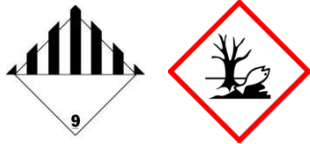
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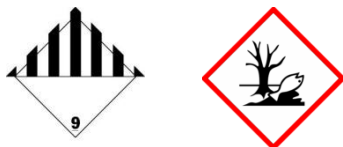
ADR/RID class 9(M6) Miscellaneous dangerous substance and articles
Danger Code (Kemler) 90
UN number 3082
Packaging group III
Hazard Label 9
Special marking Symbol (fish and trees)
UN proper shipping name 3082 ENVIRONMENTALLY HAZARDOUSE SUBSTANCE,
LIQUID N.O.S.
123-31-9 Hydroquinone (1,4-dihydroxybenzene)
Tunnel restriction code E

Maritime transport IMDG:



IMDG class 9
UN number 3082
Label 9
Packaging group III
EMS number F-A,S-F
Special marking Symbol (fish and trees)
UN proper shipping name 3082 ENVIRONMENTALLY HAZARDOUSE SUBSTANCE,
LIQUID N.O.S.
123-31-9 Hydroquinone (1,4-dihydroxybenzene)
Marine Pollutant: Yes

Air transport ICAO-TI and IATA-DGR:



ICAO/IATA class 9
UN number 3082
Label 9
Packaging group III
EMS number F-A,S-F

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Special marking

Symbol (fish and trees)

UN proper shipping name

3082 ENVIRONMENTALLY HAZARDOUSE SUBSTANCE,
LIQUID N.O.S.

123-31-9 Hydroquinone (1,4-dihydroxybenzene)

UN 'Model Regulation:

UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID N.O.S. 9,III
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15 Regulatory Information

Labelling according to EU guidelines

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials

Code letter and hazard designation of product



Xn Harmful



N Dangerous to the environment

Hazard determining component of labelling

123-31-9 Hydroquinone (1,4-dihydroxybenzene)

Risk phrases:

Risk phrases:

- 36/38 Irritating to eyes and skin
- 41 Limited evidence of a carcinogenic effect
- 43 May cause sensitisation by skin contact
- 50 Very toxic to aquatic organisms
- 68 Possible risk of irreversible effects

Safety phrases:

- 36/37 Wear suitable protective clothing and gloves
- 57 Use appropriate container to avoid contamination

Chemical safety assessment : Has not been carried out
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16. Other information

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

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Relevant R-phrases

- H302 Harmful if swallowed
- H315 Causes skin irritation
- H317 May cause allergic skin reaction
- H318 Causes serious eye damage
- H319 Causes serious eye irritation
- H341 Suspected of causing genetic defects
- H351 Suspected of causing cancer
- H400 Very toxic to aquatic life
- H411 Toxic to aquatic life with long lasting effects

- R22 Harmful if swallowed
- R36/38 Irritating eyes and skin
- R40 Limited evidence of carcinogenic effect
- R41 Risk of serious damage to eyes
- R43 May cause sensitisation by skin contact
- R50 Very toxic to aquatic organism
- R52/53 Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment
- R68 Possible risk of irreversible effects.

Department issuing MSDS

Abbreviations and acronyms

- ADR: European Agreement concerning the Carriage of Dangerous Goods
- RID: Regulations Concerning the International Transport of Dangerous Goods by Rail
- IMDG: International Maritime Code for Dangerous goods
- IATA: International Air Transport Association
- IATA-DGR: Dangerous Goods Regulations by the International Air Transport Association
- ICAO: International Civil Aviation Organisation
- ICAO-TI: Technical Instructions by the Civil Aviation Organisation
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- LC50: Lethal concentration – 50%
- LD50: Lethal Dose – 50%