

(In compliance with EC/1907/2006 Article 31 and Annex II)

**Revision Date:** 26/7/2012**Revision Number:** 0**Material/Trade Name:** FOTOSPEED SEPIA TONER BLEACH (Part 1)

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## 1 – Identification of Substance/Mixture and of the Company/Undertaking

**Material/Trade Name** : Fotospeed Sepia Toner Bleach (Part 1)  
**Material type** : Photographic process reagent  
**Company** : Jay House Ltd  
**Address** : 6B Park Lane Industrial Estate  
Park Lane  
Corsham  
SN13 9LG  
**Telephone** : 01249 714555  
**Fax** : 01249 714999  
**Internet** : info@fotospeed.com

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## 2 – Hazards Identification

### Classification of the substance or mixture

Not classified as hazardous according to Regulation (EC) No.1272/2008

Not classified as hazardous according to European Directive 67/548/EEC as amended  
Contact with acids liberates very toxic gas (Hydrogen Cyanide)

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## 3 – Composition/Information on Ingredients

CAS No.	EC No.	Index No.	Classification	Concentration
Potassium Bromide				
7758-02-3	231-830-3	[-]	Acute Tox. 4, Eye Irrit. 2, STOT - SE 3 H315, H319, H335 Xi; R36/37/38	3-5%
Potassium ferricyanide				
13746-66-2	237-323-3	[-]	EUH032 R32	10-12.5%

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## 4 - First-aid Measures

### Inhalation:

Remove to fresh air and rest. If recovery is not rapid call for prompt medical attention. Show this safety data sheet to medical personnel.

### Eyes

Irrigate with water for at least 15 minutes. Take care not to wash chemical from one eye to another. If irritation persists, obtain medical attention.

### Skin

Remove contaminated clothing. Wash with soap/cleanser and rinse with plenty of water. If irritation persists, obtain medical attention.

### Ingestion

Do not induce vomiting. Give plenty of water to drink. If feeling unwell seek prompt medical attention.

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## 5 - Fire-fighting Measures

### Suitable Extinguishers

Use media such as alcohol/aqueous foam, dry chemical, or carbon dioxide or water spray/fog which are suitable and appropriate for any surrounding fire.

### Unsuitable Extinguishers

None.

### Hazardous Decomposition

May produce small amounts of toxic fumes and combustion products if involved in a fire which could include traces of cyanides

### Special Procedures/information for firefighters

Do not breathe decomposition products and fumes. Use approved self-contained breathing apparatus. Wear fire retardant clothing. Use water spray to cool containers. Prevent runoff from fire control from entering waterways. Large fires should only be dealt with by trained personnel.

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## 6 - Accidental Release Measures

### Personal Protection and Precautions

Use suitable personal protective equipment (refer to Section 8 for details). Avoid breathing vapours. Ensure adequate ventilation.

### Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains or watercourses.

### Containment, Cleaning up and Disposal Considerations

Absorb in inert material such as sand or non-combustible absorbent granules

Scoop up and place in plastic container to await transfer

Refer to Section 13 for further information regarding disposal.

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## 7 - Handling and Storage

### Handling

Avoid inhalation of vapour or mist.

### Storage

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

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## 8 - Exposure Controls/Personal Protection

**Occupational Exposure Limit:** 5 mg/m<sup>3</sup> 8hrTWA WEL Potassium ferricyanide (Sk)

### Respiratory Protection

Use in well ventilated areas. Use mechanical ventilation if possible.

### Hand Protection

Wear polythene, PVC or nitrile gloves to Standard EN 374 (breakthrough time for total immersion in excess of 8 hours).

### Eye Protection

Wear suitable eye protection such as safety glasses or goggles to Standard BS EN 166 if splash or eye contact likely.

### Skin Protection

Wear suitable overalls or apron and change if contaminated. After contact with skin wash off immediately. Wash hands before breaks and immediately after using the product.

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## 9 - Physical & Chemical Properties

**Appearance :** Orange liquid

**Odour :** None

**pH :** 9.7

**Boiling point/range :** <100°C

**Melting point/range :** n/e

**Flash point :** n/e

**Flammability :** NON FLAMMABLE

**Autoflammability :** n/e

**Explosive properties :** n/e

**Oxidising properties :** None

**Vapour pressure :** 23 hPa at 20°C

**Relative density :** 1.09

**Solubility :** Miscible in water

**Partition Coefficient :** n/e

**Vapour Density :** n/e

**Viscosity :** n/e

**Evaporation rate :** n/e

(n/e = not established)

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## 10 - Stability and Reactivity

### Chemical Stability

Stable at normal temperatures and under recommended storage conditions.

### Conditions to Avoid

Extreme temperature and direct sunlight, acidic environments

### Materials to Avoid

Strong oxidising agents, acids, ammonia

### Hazardous Decomposition Products

No hazardous decomposition products when stored and handled correctly. Contact with strong acids will liberate very toxic hydrogen cyanide gas

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## 11 - Toxicological Information

### Acute toxicity

Low toxicity by all routes. LD<sub>50</sub> (rat) for pure potassium bromide is 3070mg/kg., for potassium ferricyanide is 2970 mg/kg. Contact with acids liberates very toxic hydrogen cyanide gas which may be fatal if inhaled.

### Skin corrosion/irritation

Not expected to cause any acute skin corrosion or irritation at concentrations present in product

### Serious eye damage/eye irritation

Not expected to cause any acute eye damage or irritation at levels present in product; low level transient eye irritation may be possible following exposure.

### Respiratory or skin sensitization

No data available

### Germ cell mutagenicity

No data available

### Carcinogenicity

IARC: No component of this product present (as supplied) at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

### Reproductive toxicity

No data available

### Specific target organ toxicity - single exposure

No data available.

### Specific target organ toxicity - repeated exposure

No data available.

### Potential health effects

**Inhalation** Excessive inhalation of vapours, aerosols or mists may cause mild, transient respiratory tract irritation.

**Ingestion** May be harmful if ingested in quantity.

**Skin** Repeated exposure may cause skin dryness or cracking.

**Eyes** May cause transient eye irritation.

### Signs and Symptoms of Exposure

Ingestion of may cause severe nausea, vomiting and abdominal pain. Inhalation of liberated hydrogen cyanide may be fatal.

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## 12 - Ecological Information

### Toxicity

High concentrations may be harmful to aquatic organisms

### Persistence and degradability

Not readily biodegradable.

### Mobility in soil

Expected to be mobile.

### PBT and vPvB assessment

No data available.

### Bioaccumulative potential

No data available

### Other adverse effects

No data available.

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### 13 -Disposal Considerations

#### Product

Material is classified as hazardous waste under the Hazardous Waste Regulations 2005 (as amended). Contact a licensed professional waste disposal service to dispose of this material.

#### Contaminated packaging

Dispose of as unused product.

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### 14 -Transport Information

#### ADR/RID

Not Classified as hazardous for transport

#### IMDG

Not Classified as hazardous for transport

#### IATA

Not Classified as hazardous for transport

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### 15 - Regulatory Information

#### Label Elements

No statutory safety labels are required for this material in accordance with the provisions of EC/1907/2006, EC/1272/2008 or 67/548/EEC as amended

#### Other Regulations

Health & Safety at Work etc. Act 1974

Control of Substances Hazardous to Health Regulations 2002 (as amended)

Chemicals (Hazard Information and Packaging for Supply) Regulations 2009

Classification, Labelling and Packaging of Substances and Mixtures Regulations 2008 (as amended)

EH40/2005 Workplace Exposure Limits (as amended)

Environmental Protection Act 1990

Hazardous Waste Regulations 2005 (as amended)

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### 16 - Other Information

#### Text of H-code(s) and R-phrase(s) mentioned in Section 3

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

EUH032 Contact with acids liberate very toxic gas

R36/37/38 Irritating to eyes, respiratory system and skin

R32 Contact with acids liberate very toxic gas

#### Recommended restrictions on use

Use in accordance with manufacturer's technical instructions. Avoid contact with acids.

#### Revision History

First Issue

#### Further Information

The information in this Safety Data Sheet should be provided to all who will use, handle, store, transport or otherwise be exposed to this product. This information has been prepared for the guidance of plant engineering, operations, management and for people working with or handling these products. This information is believed to be reliable and updated at Revision Date, and represents the best information currently available and known by Jay House Ltd. (Jay House). However, Jay House makes no guarantee or warranty, express or implied, with respect to such information and we assume no liability resulting from its use. The information related herein is based on proper handling and anticipated uses and is for the material without chemical additions or alterations. Users should make their own investigations to determine the suitability of the information for their particular purposes. It is the responsibility of the user to undertake a suitable risk assessment/COSHH assessment prior to using this material.