

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

Revision Date: 30/07/2013

Revision Number: 0

Material/Trade Name: ST10 SEPIA TONER PART 2

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

Material/Trade Name : ST10 Sepia Toner Part 2
 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

2 – Hazards Identification**Classification of the substance or mixture***According to Regulation (EC) No.1272/2008*

Carcinogenicity (Category 2)	H351	Suspected of causing cancer
Reproductive Toxicity (Category 2)	H361d	Suspected of damaging the unborn child
Skin Corrosion (Category 1A)	H314	Causes severe burns and eye damage
Aquatic Chronic (Category 3)	H412	Harmful to aquatic life with long lasting effects

According to European Directive 67/548/EEC as amended

C; Corrosive, Xn; Harmful, Xi; Irritant, N; Dangerous for the Environment

R40	Limited evidence of a carcinogenic effect
R63	Possible risk of harm to the unborn child
R35	Causes severe burns
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

3 – Composition/Information on Ingredients

CAS No.	EC No.	Index No.	Classification	Concentration
Thiourea				
62-56-6	200-543-5	612-082-00-0	Acute Tox. 4, Carc. 2, Repr. 2, Aquatic Chronic 2 H302, H351, H361d, H411 Xn; R22, R40, R63 N; R51/53	7%
Potassium Bromide				
7758-02-3	231-830-3	[-]	Eye Irrit. 2, STOT SE 3, Skin Irrit. 2 H319, H335, H315 Xi; R36/37/38	8%
Sodium Hydroxide				
1310-73-2	215-185-5	011-002-00-6	Skin Corr. 1B H314 C; R35	5%

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. Seek immediate medical attention.

Skin

Remove contaminated clothing. Wash with soap/cleanser and rinse with plenty of water. Seek immediate medical attention.

Ingestion

Do not induce vomiting. Give plenty of water to drink. Seek immediate 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 oxides of sulphur, carbon, cyanides and nitrogen.

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.

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.

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.

8 - Exposure Controls/Personal Protection

Occupational Exposure Limit: 2 mg/m³ 8hrTWA WEL Sodium Hydroxide

Respiratory Protection

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

Hand Protection

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

Eye Protection

Wear suitable eye protection to Standard BS EN 166.

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.

9 - Physical & Chemical Properties

Appearance: Liquid

Odour: None

pH: n/e

Boiling point/range: <100°C

Melting point/range: n/e

Flash point: n/e

Flammability: NON FLAMMABLE

Auto flammability: n/e

Explosive properties: n/e

Oxidising properties: n/e

Vapour pressure: n/e

Relative density: n/e

Solubility: n/e

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, direct sunlight and moisture.

Materials to Avoid

Strong oxidising agents, bases, organic materials, heavy metal salts, aluminium, potassium.

Hazardous Decomposition Products

No hazardous decomposition products when stored and handled correctly.

11 - Toxicological Information

Acute toxicity

Thiourea (100%)	LD ₅₀ Oral (rat) 1750 mg/kg. LD ₅₀ Dermal (rabbit) 2800mg/kg
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Potassium Bromide (100%)	LD ₅₀ Oral (rat) 3070 mg/kg
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Limited evidence of carcinogenicity

Skin corrosion/irritation

Causes severe burns to the skin.

Serious eye damage/eye irritation

Causes severe eye damage.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

This product is or contains a component that has been reported to be probably carcinogenic based on its IARC, OSHA, ACGIH, NTP, or EPA classification.

Limited evidence of carcinogenicity in animal studies.

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Thiourea).

Reproductive toxicity

Suspected human reproductive toxicant.

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 Causes severe burns to mouth, throat and stomach lining.

Skin Causes severe burns in contact with skin.

Eyes Causes severe burns which can lead to blindness.

Signs and Symptoms of Exposure

Spasm, inflammation and oedema of the larynx, spasm, inflammation and oedema of the bronchi, pneumonitis, pulmonary oedema, burning sensation, cough, wheezing, laryngitis, shortness of breath, headache, nausea, vomiting, Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin.

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12 - Ecological Information

Toxicity

96h LC₅₀ (Mosquito fish) 125mg/l (Fathead minnow) 30mg/l (Zebra fish) 10 mg/l48h EC₅₀ (Daphnia) 40.38mg/l (Water flea) 5.6-18 mg/l96h EC₅₀ (Green algae) 6.8mg/l

Persistence and degradability

Biodegradable – Biotic/Aerobic

Exposure time 31d

Result: <1% Not readily biodegradable

Mobility in soil

Expected to be mobile.

PBT and vPvB assessment

No data available.

Bio accumulative potential

No data available

Other adverse effects

Harmful to aquatic life with long lasting effects.

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.

14 -Transport Information

UN Number:	1824	
IMO:	Class 8	Packing Group II
IATA/IACO	Class 8	Packing Group II
ADR/RID	Class 8	Packing Group II
HAZCHEM/Kemler Code:	2R/80	
Transport Name:	SODIUM HYDROXIDE SOLUTION	

15 - Regulatory Information

Label Elements

Pictogram



Signal Word

Danger

Hazard Statements

H351	Suspected of causing cancer
H361d	Suspected of damaging the unborn child
H314	Causes severe burns and eye damage
H412	Harmful to aquatic life with long lasting effects

Precautionary Statements

P281	Use personal protective equipment as required
P308 + P313	IF exposed or concerned: Get medical advice/attention
P264	Wash thoroughly after handling
P280	Wear protective gloves/protective clothing/eye protection/face protection

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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)

16 - Other Information

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

H302	Harmful if swallowed
H351	Suspected of causing cancer
H361d	Suspected of damaging the unborn child
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H315	Causes skin irritation
H314	Causes severe burns and eye damage
H411	Toxic to aquatic life with long lasting effects
R22	Harmful if swallowed
R40	Limited evidence of a carcinogenic effect
R63	Possible risk of harm to the unborn child
R36/37/38	Irritating to eyes, respiratory system and skin
R35	Causes severe burns
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Recommended restrictions on use

Use in accordance with manufacturer's technical instructions.

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.