

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

Revision Date: 26/7/2012

Revision Number: 0

Material/Trade Name: FOTOSPEED SALT PRINTING KIT SILVER SOLUTION

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

Material/Trade Name : Fotospeed Salt Printing Kit Silver Solution
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

Skin irrit. 2	H315	Causes skin irritation
Eye Irrit. 2	H319	Causes serious eye irritation
Aquatic Chronic (Category 2)	H411	Toxic to aquatic life with long lasting effects

According to European Directive 67/548/EEC as amended

Xi; Irritant	R36/38	Irritating to eyes and skin
N; Dangerous for the Environment	R51/53	Toxic 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
Silver Nitrate				
7761-88-8	231-853-9	047-001-00-2	Ox. Sol. 2, Skin Corr. 1A; Aquatic Acute 1, Aquatic Chronic 1 H272, H314, H400, H410 O; R8 C; R34 N; R50/53	<8%

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.

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: 0.01mg/m³ 8hrTWA WEL Silver Nitrate

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.

9 - Physical & Chemical Properties

Appearance : Colourless liquid

Odour : None

pH : 8

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: : n/e

Relative density : n/e

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. Light sensitive material

Conditions to Avoid

Elevated temperature and sunlight

Materials to Avoid

Strong oxidising agents

Hazardous Decomposition Products

No hazardous decomposition products when stored and handled correctly.

11 - Toxicological Information

Acute toxicity

Low toxicity by all routes.

Skin corrosion/irritation

Skin - Skin irritation

Serious eye damage/eye irritation

Eyes - rabbit - Severe eye irritation

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. Causes skin irritation.

Eyes Causes eye irritation.

Signs and Symptoms of Exposure

May cause argyria (a slate-gray or bluish discoloration of the skin and deep tissues due to the deposit of insoluble albuminate of silver)., Absorption into the body leads to the formation of methemoglobin which insufficient concentration causes cyanosis. Onset may be delayed 2 to 4 hours or longer.

12 - Ecological Information

Toxicity

Toxic to aquatic life, may cause long-term adverse effects

Persistence and degradability

Persistent

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.

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

15 - Regulatory Information

Label Elements

Pictogram



Signal Word Warning

Hazard Statement(s)

H315 Causes skin irritation
H319 Causes serious eye irritation
H411 Toxic to aquatic life with long lasting effects

Precautionary statement(s)

P273 Avoid release to the environment.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

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

H272	May intensify fire; oxidiser
H315	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
R8	Harmful if swallowed
R34	Causes Burns
R36/38	Irritating to eyes, respiratory system and skin
R50/53	Very 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. 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.