(In compliance with EC/1907/2006 Article 31 and Annex II)
Revision Date: 20/08/2013
Revision Number: 0
Material/Trade Name: CYANOTYPE SENSITISER

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

Material/Trade Name : Cyanotype Sensitiser
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

Acute Toxicity (Category 4)	H302	Harmful if swallowed
Acute Toxicity (Category 4)	H312	Harmful in contact with skin
	EUH032	Contact with acid liberates toxic gas

According to European Directive 67/548/EEC as amended
Xn; Harmful

R21/22	Harmful if swallowed and in contact with skin
R32	Contact with acids liberates very toxic gas

3 – Composition/Information on Ingredients

CAS No.	EC No.	Index No.	Classification	Concentration
Potassium Ferricyanide				
13746-66-2	237-323-3	[-]	EUH032 R32	<10%
Ammonium Dichromate				
7789-09-5	232-143-1	024-003-00-1	Ox. Sol. 2, Carc. 1B, Muta. 1B, Repr. 1B, Acute Tox. 2, Acute Tox. 3, STOT RE 1, Acute Tox. 4 Skin Corr. 1B, Resp. Sens. 1, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1 H272, H350, H340, H360FD, H330, H301, H372, H312, H314, H334, H317, H410 E; R2 O; R8 T; R26, R25, R48/23, R45, R46 Xn; R21, R42/43 C; R34 N; 50/53	<0.1%
Ferric Ammonium Oxalate				
13268-42-3	220-952-2	607-007-00-3	Acute Tox. 4 H302, H312 Xn; R21/22	<30%

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.

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
Thermal decomposition products may include carbon oxides, nitrogen oxides and iron oxides.
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: 1 mg/m^3 8hrTWA WEL Ferric Ammonium Oxalate
0.5mg/m^3 8hrTWA WEL Chromium

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 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: Liquid, Blue
Odour: None
pH: 4
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: Fully miscible in water
Partition Coefficient: n/e
Vapour Density: n/e
Viscosity: As water
Evaporation rate: n/e

(n/e = not established)

10 - Stability and Reactivity

Chemical Stability
Stable at normal temperatures and under recommended storage conditions.
Conditions to Avoid
Extreme temperature and direct sunlight.
Materials to Avoid
Strong oxidising agents, bases and acids.
Hazardous Decomposition Products
No hazardous decomposition products when stored and handled correctly.

11 - Toxicological Information

Acute toxicity
Non-toxic by all routes
Skin corrosion/irritation
Harmful in contact with skin
Serious eye damage/eye irritation
Not expected to cause any acute eye damage or irritation; low level transient eye irritation may be possible following exposure to liquid or vapours
Respiratory or skin sensitisation
No data available
Germ cell mutagenicity
No data available

Carcinogenicity
IARC: No components of this product present 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 Harmful if swallowed
Skin Harmful if absorbed through the skin. May cause skin irritation
Eyes May cause transient eye irritation

Signs and Symptoms of Exposure
Over exposure to oxalates can cause acidosis and kidney damage and may be harmful in contact with skin.

12 - Ecological Information

Toxicity
Not expected to be harmful to aquatic life

Persistence and degradability
No data available

Mobility in soil
No data available.

PBT and vPvB assessment
No data available

Bio accumulative 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.

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 Statements

H302	Harmful if swallowed
H312	Harmful in contact with skin

Precautionary Statements

P330	Rinse mouth
P301 + P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
P302 + P352	IF ON SKIN: Wash with plenty of soap and water

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

H312	Harmful in contact with skin
H302	Harmful if swallowed
H272	May intensify fire; oxidiser
H350	May cause cancer
H340	May cause genetic defects
H360FD	May damage fertility. May damage the unborn child
H330	Fatal if inhaled
H301	Toxic if swallowed
H372	Causes damage to organs through prolonged or repeated exposure
H314	Causes severe skin burns and eye damage
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H317	May cause an allergic skin reaction
H410	Very toxic to aquatic life with long lasting effects
EUH032	Contact with acid liberates toxic gas

R45	May cause cancer
R46	May cause heritable genetic damage
R60	May impair fertility
R61	May cause harm to the unborn child.
R2	Risk of explosion by shock, friction, fire or other sources of ignition
R8	Contact with combustible material may cause fire
R21	Harmful in contact with skin
R25	Toxic if swallowed
R26	Very toxic by inhalation
R34	Causes burns
R32	Contact with acids liberates toxic gas
R42/43	May cause sensitization by inhalation and skin contact
R48/23	Toxic: danger of serious damage to health by prolonged exposure through inhalation
R21/22	Harmful if swallowed and in contact with 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.

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.