

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

Revision Date: 30/07/2013

Revision Number: 0

Material/Trade Name: SENSITISING SOLUTION

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

Material/Trade Name : Sensitising 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*

Carcinogenicity (Category 1A)	H350	May cause cancer
Mutagenicity (Category 1B)	H340	May cause genetic defects
Reproductive Toxicity (Category 1A)	H360FD	May damage fertility or the unborn child
Acute Toxicity (Category 4)	H302	Harmful if swallowed
Acute Toxicity (Category 2)	H330	Fatal if inhaled
Eye Irritant (Category 2)	H319	Causes serious eye irritation
STOT SE (Category 3)	H335	May cause respiratory irritation
Skin Irritant (Category 2)	H315	Causes skin irritation
Respiratory Sensitiser (Category 1)	H334	May cause allergy, asthma symptoms or breathing difficulties if inhaled
Skin Sensitiser (Category 1)	H317	May cause an allergic skin reaction
STOT RE (Category 1)	H373	May cause damage to organs through prolonged or repeated exposure
Aquatic Chronic (Category 2)	H411	Toxic to aquatic life with long lasting effects

According to European Directive 67/548/EEC as amended

T; Toxic, Xn; Harmful, Xi; Irritant, N; Dangerous for the Environment

R45	May cause cancer
R46	May cause heritable damage
R60	May impair fertility
R61	May cause harm to the unborn child
R22	Harmful if swallowed
R23	Toxic by inhalation
R36/37/38	Irritating to eyes, respiratory system and skin
R42/43	May cause sensitisation by inhalation and skin contact
R48/23	Toxic: danger of serious damage to health by prolonged exposure through inhalation
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
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	5.5%

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4 - First-aid Measures

Inhalation

Remove to fresh air and rest. Show this safety data sheet to medical personnel and seek immediate medical attention.

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 is 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 fire-fighters

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

Wear respiratory protection. (refer to Section 8 for details). Avoid breathing vapours. Ensure adequate ventilation and evacuate personnel to safe areas.

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 contact with skin and eyes and 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: 0.05mg/m³ 8hrTWA WEL Ammonium Dichromate.**Respiratory Protection**

Wear fresh air fed breathing apparatus, or face mask with filter type EN149 FFP2. 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 after use. 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)

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 reducing agents, alcohols and strong acids.

Hazardous Decomposition Products

No hazardous decomposition products when stored and handled correctly.

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11 - Toxicological Information

Acute toxicity

May cause cancer and toxic by inhalation.

(Ammonium Dichromate)

LD₅₀ Oral (rat) 53 mg/kg.

LD₅₀ Inhalation (rat) 160ppm

Skin corrosion/irritation

Causes skin irritation and may cause an allergic skin reaction.

Serious eye damage/eye irritation

Causes serious eye irritation

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 carcinogenic based on its IARC, OSHA, ACGIH, NTP, or EPA classification. Possible human carcinogen

IARC: 1 - Group 1: Carcinogenic to humans (Ammonium Dichromate)

Reproductive toxicity

May cause congenital malformation in the foetus, presumed human reproductive toxicant and may cause reproductive disorders.

Specific target organ toxicity - single exposure

No data available.

Specific target organ toxicity - repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Potential health effects

Inhalation May be fatal if inhaled. Extremely destructive to the tissue of the mucous membrane and upper respiratory tract and may cause sensitisation.

Ingestion Harmful if swallowed.

Skin Irritating to the skin and can cause an allergic reaction.

Eyes Irritating to the eyes.

Signs and Symptoms of Exposure

To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.

12 - Ecological Information

Toxicity

96h LC₅₀ (Fish) >1, ≤10mg/l

48h EC₅₀ (Daphnia) >1, ≤10mg/l

72h LC₅₀ (Algae) >1, ≤10mg/l

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

Toxic to aquatic life with long lasting effects.

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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.

14 -Transport Information

UN Number:	3287	
IMO:	Class 6.1	Packing Group III
IATA/IACO	Class 6.1	Packing Group III
ADR/RID	Class 6.1	Packing Group III
HAZCHEM/Kemler Code:	2X/60	
Transport Name:	TOXIC LIQUID, INORGANIC, NOS	

15 - Regulatory Information

Label Elements

Pictogram



Signal Word

Danger

Hazard Statements

H350	May cause cancer
H340	May cause genetic defects
H360FD	May damage fertility or the unborn child
H302	Harmful if swallowed
H330	Fatal if inhaled
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H315	Causes skin irritation
H334	May cause allergy, asthma symptoms or breathing difficulties if inhaled
H317	May cause an allergic skin reaction
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects

Precautionary Statements

P201	Obtain special instructions before use
P260	Do not breathe dust/fume/gas/mist/vapours/spray
P273	Avoid release to the environment
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection
P284	Wear respiratory protection.

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

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 inhale.
H301	Toxic if swallowed
H372	Causes damage to organs through prolonged or repeated exposure
H312	Harmful in contact with skin
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
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
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
R42/43	May cause sensitization by inhalation and skin contact
R48/23	Toxic: danger of serious damage to health by prolonged exposure through inhalation
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.