

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifiers

Product name : Residual Hypo Tester

UFI :

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Photographic Processing Solution

#### 1.3 Details of the supplier of the safety data sheet

Supplier/distributor : Jay House Ltd  
Lower Beaversbrook, Industrial Estate, Redman Road, Calne  
SN11 9PL

Telephone : 01249 714555  
Internet : info@fotospeed.com

### 2. HAZARDS IDENTIFICATION

#### 2. HAZARDS IDENTIFICATION

##### 2.1 Classification of the substance or mixture

###### Classification according to Regulation (EC) No 1272/2008

Skin irritation (Category 2) H315  
Eye irritation (Category 2) H319  
Aquatic Acute (Category 1) H400  
Aquatic Chronic (Category 1) H410

##### 2.2 Label elements

###### Labelling according to Regulation (EC) No 1272/2008 [CLP]



Pictogram

Signal word Warning

Hazard statement(s)

H315 Causes skin irritation  
H319 Causes serious eye irritation  
H410 Very toxic to aquatic life with long lasting effects

Precautionary statement(s)

P273 Avoid release into the environment  
P280 Wear eye/face protection  
P301 + P310 + 330 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor

Supplemental Hazard statements None

##### 2.3 Other hazards – none

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

Component	Classification	Concentration
<b>Acetic acid</b>		
CAS-No. 64-19-7 EC-No. 200-580-7 Registration No. 01-2119475328-30--xxxx	Flam. Liq.3, H226; Skin Corr.1A, H314 (Skin Corr.1A >=90%, Skin Corr.1B >=25-<90%, Eye Irrit.2/Skin Irrit.2 >=10-<25%)	<4.5%
<b>Silver nitrate</b>		
CAS-No. 7761-88-8 EC-No. 231-853-9 Registration No. 01-2119513705-43-xxxx	Oxid. Solid 2, H272; Met.Corr.1, H290; Skin Corr. 1B, H314; Aquatic Acute 1, H400 (M=1000); Aquatic Chronic 1, H410 (M=100)	<0.75%

For the full text of the H-Statements mentioned in this Section, see Section 16

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### 4. FIRST AID MEASURES

#### 4.1 Description of first aid measures

##### Inhalation:

Remove to fresh air and rest. If recovery is not rapid call for prompt medical attention.

##### Eyes

Rinse thoroughly with plenty of water for at least 15 minutes and seek prompt medical attention if irritation persists.

##### 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. Never give anything by mouth to an unconscious person. Rinse mouth with water. Seek prompt medical attention.

#### 4.2 Most important symptoms and effects, both acute and delayed

The product when properly handled is not dangerous for the human health. Harmful effects are expected only in case of misuse.

#### 4.3 Indication of any immediate medical attention and special treatment needed

No data available.

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### 5. FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

##### Suitable extinguishing media

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.

#### 5.2 Special hazards arising from the substance or mixture

Highly dependent on combustion conditions May produce decomposition fumes and combustion products if involved in a fire.

#### 5.3 Advice for firefighters

Do not breathe decomposition products and fumes. Use approved self-contained breathing apparatus. Wear fire retardant clothing. Do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus Use water spray to cool containers. Prevent runoff from fire control from entering waterways. Large fires should be dealt with by trained personnel.

#### 5.4 Further information

No data available.

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### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

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

#### 6.2 Environmental precautions

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

#### 6.3 Methods and materials for containment and cleaning up

Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

#### 6.4 Reference to other sections

For disposal see section 13.

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## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.

### 7.2 Conditions for safe storage, including any incompatibilities

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

### 7.3 Specific end use(s)

No data available.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

#### Components with occupational exposure limits

Component	CAS No.	Reference period	Exposure Limit	Basis
Acetic acid	64-19-7	8hr TWA 15minSTEL	25 mg/m <sup>3</sup> 50 mg/m <sup>3</sup>	EH/40 WEL
Silver nitrate	7761-88-8	8hr TWA	0.01 mg/m <sup>3</sup>	EH/40 WEL

### 8.2 Exposure controls

#### Appropriate engineering controls

Use in well ventilated areas. Use mechanical ventilation in poorly ventilated areas.

#### Personal protective equipment

##### Eye/face Protection

Use equipment for eye protection tested and approved under appropriate standards such as EN 166 in accordance with a specific PPE risk assessment.

##### Skin Protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with good practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Recommended glove types include Nitrile, Polythene and PVC gloves (breakthrough time for total immersion 4 to 8 hours).

##### Body Protection

Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. After contact with skin wash off immediately. Wash hands before breaks and immediately after using the product.

##### Respiratory Protection

Where risk assessment in accordance with the hierarchy of controls established within the Chemical Agents Directive shows a requirement for respirators as a means of control use filter type P

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

- |   |                                  |
|---|----------------------------------|
| a) Appearance                                   | Form: Clear viscous liquid       |
| b) Odour  | No data available Characteristic |
| c) Odour Threshold                              | No data available                |
| d) pH   | No data available                |
| e) Melting point/freezing point                 | No data available                |
| f) Initial boiling point and boiling range      | >100°C                           |
| g) Flash point                                  | No data available                |
| h) Evaporation rate                             | No data available (water = 1).   |
| i) Flammability (solid, gas)                    | No data available                |
| j) Upper/lower flammability or explosive limits | Non-flammable                    |
| k) Vapour pressure                              | No data available                |
| l) Vapour density                               | No data available                |
| m) Relative density                             | No data available                |
| n) Water solubility                             | Miscible in water                |
| o) Partition coefficient: (n- octanol/water)    | No data available                |
| p) Auto-ignition temperature                    | No data available                |
| q) Decomposition temperature                    | No data available                |
| r) Viscosity                                    | No data available                |
| s) Explosive properties                         | None                             |
| t) Oxidizing properties                         | None                             |

### 9.2 Other safety information

No data available

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## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No data available on mixture.

### 10.2 Chemical stability

Expected to be stable at normal temperatures and under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No data available.

### 10.4 Conditions to avoid

No specific data.

### 10.5 Incompatible materials

Strong oxidising agents, acids and alkalis

### 10.6 Hazardous decomposition products

No hazardous decomposition products when stored and handled correctly.

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## 11. TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute toxicity

LD<sub>50</sub> (oral)/LD<sub>50</sub> (dermal)/LC<sub>50</sub> (inhalation): No acute lethal effects.

#### Skin corrosion/irritation

Skin irritant.

#### Serious eye damage/eye irritation

Eye irritant.

#### Respiratory or skin sensitisation

No known sensitisation potential.

#### Germ cell mutagenicity

No known mutagenic potential.

#### Carcinogenicity

IARC: No component 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 known toxic to reproduction potential.

#### Specific target organ toxicity - single exposure

Inhalation of vapours or mists may cause mild transient respiratory irritation

#### Specific target organ toxicity - repeated exposure

No data available.

#### Aspiration hazard

Not expected to pose an aspiration hazard.

#### Potential health effects

<b>Inhalation</b>	Inhalation of vapours, aerosols or mists may cause mild respiratory tract irritation.
<b>Ingestion</b>	May cause nausea and gastric pain if swallowed
<b>Skin</b>	Causes skin irritation.
<b>Eyes</b>	Causes eye irritation.

#### Signs and Symptoms of Exposure

Ingestion may cause nausea, vomiting and abdominal pain.

#### Additional Information

None.

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## 12. ECOLOGICAL INFORMATION

### 12.1 Toxicity

Expected to be very toxic to aquatic life with long lasting effects

### 12.2 Persistence and degradability

No data available. Expected to be persistent in the aquatic environment

### 12.3 Bioaccumulative potential

No data available. Not expected to bioaccumulate.

### 12.4 Mobility in soil

No data available. Expected to be mobile in soil causing contamination.

### 12.5 Results of PBT and vPvB assessment

No data available. It is anticipated that this material will meet PBT / vPvB classification criteria.

### 12.6 Other adverse effects

No data available.

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## 13. DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Product

Material is classified as hazardous waste under the Hazardous Waste Regulations 2005. Contact a licensed professional waste disposal service to dispose of this material. Do not discharge into drains or watercourses without prior approval.

#### Contaminated packaging

Dispose of as unused product.

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## 14. TRANSPORT INFORMATION

### 14.1 UN number

ADR/RID: 3082

IMDG: 3082

IATA: 3082

### 14.2 UN proper shipping name

ADR/RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID (nos)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID (nos)

IATA: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID (nos)

### 14.3 Transport hazard class(es)

ADR/RID: 9

IMDG: 9

IATA: 9

### 14.4 Packaging group

ADR/RID: III

IMDG: III

IATA: III

### 14.5 Environmental hazards

ADR/RID: Yes

IMDG Marine pollutant: Yes

IATA: Yes

### 14.6 Special precautions for user

No data available

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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## 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006 (as amended) and SI 2020:1577 (UK REACH).

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Health & Safety at Work etc. Act 1974

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

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)

### 15.2 Chemical Safety Assessment

No data available.

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## 16. OTHER INFORMATION

### Further information

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

H226 Flammable liquid and vapour  
H272 May intensify fire; oxidiser  
H290 May be corrosive to metals  
H314 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

#### Revision History

First Issue

#### Recommended restrictions on use

Use in accordance with manufacturer's technical instructions.

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.