

April 2005

Fotospeed Product Safety Data Sheet

Salt Printing Kit/Salt Solution

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Identity: **Fotospeed Salt Printing Kit
Salt Solution**

Producer/Distributor: Jay House, Unit 6b,
Park Lane industrial Estate,
Corsham, Wiltshire,
SN13 9LG, U.K.
Tel: +44 (0)1249 714555

Emergency Telephone number +44 (0)7831161781

I. COMPOSITION / INGREDIENT INFORMATION

This is an aqueous solution of inorganic compounds
Normally diluted 1+29 with water to make working solution.

The significant ingredients are:

Chemical Name : Sodium Chloride NaCL %w/w <50%

EINEC No 231-598-3 CAS No 7647-14-5

I. HAZARD IDENTIFICATION

EC classification:

See paragraph 15

Critical hazard to man and the environment: NONE

I. FIRST AID MEASURES

Inhalation: If difficulties occur after inhalation of vapour, move the victim to fresh air. Put person in half sitting position and let rest. In extreme cases seek medical advice.

Skin contact: Flush with plenty of water. Remove contaminated clothing.

Eye contact: Rinse eyes thoroughly with water until irritation stops. In all cases seek medical advice.

Ingestion. Rinse mouth with plenty of water. Give victim considerable amounts of water to drink, do not give anything to drink to an unconscious person. In extreme cases seek medical advice.

Other:

Advice to physician:

I. FIRE-FIGHTING MEASURES

Product is Incombustable

Suitable extinguishing media: Water, water spray, Carbon Dioxide dry powder, foam, sand

Only use extinguishing media which are compatible with the surrounding materials.

Unsuitable extinguishing media: All extinguishing media are allowed.

Special exposure hazards:

Hazardous decomposition/combustion products:..

Protective equipment:

Further instructions: Contaminated extinguishing water should be disposed of in a manner approved by the EEC, national and local regulatory agencies.

I. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear personal protective clothing. (See paragraph 8).

Environmental precautions: In case of an accident, avoid release of product into the environment. Try to collect as much as possible in an approved container for later disposal.

Methods for cleaning up: Action should only be taken when fully protected. Contain the area of spillage. Stop the source of leak. Large amounts should be pumped into a container. Small amounts can be collected with absorbing materials. Small remaining leftovers may be washed away with large amounts of water.

I. HANDLING AND STORAGE

Handling: Working areas and methods should be organised in such a way that direct contact is avoided. Wear protective clothing. When handling chemicals, do not eat, drink or smoke.

Fire and explosion prevention: This preparation contains a lot of water and does not show any flammable or explosive properties. No special fire and explosion prevention procedures are necessary.

Storage requirements: Store in a dry cool, well ventilated place. Keep the package closed if not in use.

Other information: Always store in the original container. Do not use the empty contaminated container for any other purposes.

I. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Ensure good ventilation and local exhaust of the working area.

Exposure limits: UK Exposure Limits - None assigned

Personal protection:

Inhalation: Normally a local ventilation is sufficient to keep air borne concentration of chemicals at a low level. No special breathing protection is necessary.

Skin contact: Wear impervious gloves.

Eye contact: Wear close fitting safety goggles.

Ingestion: When handling chemicals do not eat, drink or smoke.

Other information: Always follow the mixing instructions strictly when water or other solutions have to be added to the preparation. Avoid breathing mist or vapour. Avoid contact with eyes and skin. Handle with care.

I. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Colour	Colourless
Odour	Odourless
Boiling point/range	>100 deg C
Melting point/range	Not relevant
Flash point	Not relevant
Flammability	Not relevant
Autoignition temperature	Not relevant
Explosive limits lower	Not relevant
Oxidising properties	Not determined
Vapour pressure (20 deg C)	Not determined
Density (20 deg C)	Not relevant
Solubility in water (25 deg C)	Very soluble

Viscosity
Other information

As water

-

I. STABILITY AND REACTIVITY

Stability: The product is stable under normal storage conditions.

Conditions to avoid: None Known.

Materials to avoid:

Hazardous decomposition products:

I. TOXICOLOGICAL INFORMATION

Acute toxicity:

Different routes of exposure, health warnings

Inhalation: Avoid inhalation of vapours, aerosols and mists

Skin contact: Avoid contact with skin.

Eye contact: Avoid contact with eyes

Ingestion: After ingestion of huge quantities - nausea, vomiting and spasm

Other information:

I. ECOLOGICAL INFORMATION

Information about elimination -

Information about environmental compartments:

Ecotoxicity:

Other information: No environmental hazard is anticipated provided the material is disposed of with due care and attention

I. DISPOSAL CONSIDERATIONS

Product or contaminated product: Dispose of leftovers, waste or contaminated products in accordance with local and national regulations.

Contaminated package: Contaminated package should be disposed of in accordance with local and national regulations.

Other information: We recommend the separation of any waste resulting from this product. It can be dangerous when different photographic products are mixed together.

I. TRANSPORT INFORMATION

Not classified as hazardous under transport regulations

UN No:

Description: NON HAZARDOUS LIQUID

Containing

ADR/RID

IMDG/ADNR

ICAO/IATA

Class:

Class:

Pack.gr

Class:

Pack.gr:

Item:

Page:

Pass<

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TREMCARD:

Instr:

Instr:

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Instr.

I. REGULATORY INFORMATION

Chemical identity: Labelling according to ECC Directives - Not dangerous 231-598-3

Warning sign EC:

Symbol(s):

R(isk) phrase(s)

S(afety) phrase(s)

Exposure limits:

Other information:

I. OTHER INFORMATION

The above mentioned information corresponds to our present knowledge and therefore does not guarantee certain properties. The safety data sheet serves as a description of the product in regards to necessary safety measures. Recipients of our product must take responsibility for observing existing laws and regulations.

Data Sources

UK Chemicals (Hazard Information and Packaging) Regulations CHIP 1998
HSC Approved Carriage List - Carriage of Dangerous Goods by Road and Rail (Classification Packaging and Labelling) Regulations 1998
Control of Substance Hazardous to Health Regulations - COSHH
UK HSE 40 Occupational Exposure Limits 1997
ACGIH (Threshold Limit Values and Biological Exposure Indices)
Control of Pollution Act
IMO reports and Studies No 35 (The Evaluation of Harmful Substances Carried by Ships)
IMDG Code (International Maritime Dangerous Goods Codes)

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Identity: **Fotospeed Salt Printing Kit
Silver Solution**

Producer/Distributor: Jay House, Unit 6b,
Park Lane industrial Estate,
Corsham, Wiltshire,
SN13 9LG, U.K.
Tel: +44 (0)1249 714555

Emergency Telephone number +44 (0)7831161781

I. COMPOSITION / INGREDIENT INFORMATION

This is an aqueous solution of inorganic compounds diluted with water
Normally further diluted 1+2 with water to make working solution.

The significant ingredients are:

Chemical Name : Silver Nitrate Solution %w/w <8%

EINEC No. 231-853-9 CAS No 7761-88-8 Xi N R36/38r52 S26-36/37/39-45-61

I. HAZARD IDENTIFICATION

EC classification: Hazardous

Critical hazard to man and the environment:

Solution is irritant on contact with skin and eyes and may cause burns

Silver molecules are toxic to aquatic organisms. May cause long term effects in the aquatic environment

See paragraph 15 for solution hazard

I. FIRST AID MEASURES

Inhalation: If difficulties occur after inhalation of vapour, produced from fumes spray or vapour, remove the victim to fresh air. Put person in half sitting position, keep warm and let rest. In extreme cases apply artificial respiration if necessary and seek medical advice.

Skin contact: Flush with plenty of water. Remove contaminated clothing. Wash clothing before reuse, seek medical advice if irritation persists.

Eye contact: Rinse eyes thoroughly with water until irritation stops. In all cases seek medical advice.

Ingestion. Rinse mouth with plenty of water. Give victim considerable amounts of water to drink, do not give anything to drink to an unconscious person. Seek immediate medical advice.

Other:

Advice to physician:

I. FIRE-FIGHTING MEASURES**Product is Incombustible**

Suitable extinguishing media: Water, water spray, carbon dioxide, dry powder, foam, sand
Only use extinguishing media which are compatible with the surrounding materials.

Unsuitable extinguishing media:**Special exposure hazards:**

Hazardous decomposition/combustion products: May emit toxic fumes when involved with fire (oxides of nitrogen)

Protective equipment: Use approved positive pressure self-contained breathing apparatus when product is involved in a fire.

Further instructions: Contaminated extinguishing water should be disposed of in a manner approved by the EEC, national and local regulatory agencies.

I. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear personal protective clothing. (See paragraph 8).

Environmental precautions: In case of an accident, avoid release of product into the drains, sewers or environment. Absorb spill on an inert absorbent. Collect as much as possible in an approved container for later disposal. Any residue remaining should be washed away with copious amounts of water.

Methods for cleaning up: Action should only be taken when fully protected, Contain the area of spillage. Stop the source of leak. Large amounts should be pumped into a container. Small amounts can be collected with absorbing materials.

I. HANDLING AND STORAGE

Handling: Working areas and methods should be organised in such a way that direct contact is avoided. Wear protective clothing.. When handling chemicals, do not eat, drink or smoke.

Fire and explosion prevention: This preparation contains a lot of water and does not show any flammable or explosive properties, No special fire and explosion prevention procedures are necessary.

Storage requirements: Keep out of direct sunlight. Store in a dry cool, well ventilated place. Keep the package closed if not in use. Store away from combustible materials

Other information: Always store in the original container, Do not use the empty contaminated container for any other purposes.

I. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Ensure good ventilation and local exhaustion of the working area.

Exposure limits: UK Exposure Limits - OES - Silver Compounds (as AG)

Long Term : 0.01mg/m³ (ILV)

Personal protection: As appropriate to the situation and quantity handled

Inhalation: Do not inhale fumes spray or vapour. Ventilate to keep air borne concentration of chemicals at a low level. Use self contained breathing apparatus when vapours/mists are generated

Skin contact: Wear chemical resistant gloves and protective apron. Wash contaminated clothing before re-use

Eye contact: Wear close fitting safety goggles.

Ingestion: When handling chemicals do not eat, drink or smoke.

Other information: Always follow the mixing instructions strictly when water or other solutions have to be added to the preparation. Avoid breathing mist or vapour. Avoid contact with eyes and skin. Handle with care. Emergency eye bath should be available.

I. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Colour	Colourless
Odour	Odourless
Boiling point/range	>100 deg C
Melting point/range	Not relevant
Flash point	Not relevant
Flammability	Not relevant
Autoignition temperature	Not relevant
Explosive limits lower	Not relevant
Oxidising properties	Not determined
Vapour pressure (20 deg C)	imm Hg
Density (20 deg C)	Not relevant
Solubility in water (25 deg C)	completely
Viscosity	As water
Other information	-

I. STABILITY AND REACTIVITY

Stability: Light Sensitive.

Conditions to avoid: May decompose on exposure to light

Materials to avoid: Non metals, organic substances, alkali hydroxides, acetylene, ammonia/alcohols, ammonium compounds, combustible substances, hydrazine and derivatives, carbides, organic nitro compounds, magnesium in powder form (with water) The possibility of reaction with other substances cannot be excluded

Hazardous decomposition products: Nitrous gases

I. TOXICOLOGICAL INFORMATION

Acute toxicity:

Different routes of exposure, health warnings

Inhalation: Avoid inhalation of vapours, aerosols and mists May be irritating to the mucous membrane of the upper respiratory tract

Skin contact: Avoid contact with skin. Prolonged contact can produce irritation or burns

Eye contact: Avoid contact with eyes - Causes irritation and burns

Ingestion: Harmful if swallowed vomiting, gastric spasm, diarrhoea, death

Other information: Soluble silver compounds are slightly absorbed by the gastrointestinal tract. Strong irritation after contact with eyes and skin

I. ECOLOGICAL INFORMATION

Information about elimination - Adverse ecological effects cannot be excluded in the event of improper handling or disposal.

The following refers to silver compound :

Biological effects	silver ions are toxic to aquatic life
Bacteria Ps. Putida	0.006mg/l
Protozoa U. parduczi	0.1mg/l
Arthropods D, Daphnia	LC50 0.5mg/l
Algae M aeruginosa	0.0007mg/l
Sc quadricauda	0.009mg/l

Other information: Do not allow to enter drinking water or waste

I. DISPOSAL CONSIDERATIONS

Product or contaminated product: Dispose of leftovers, waste or contaminated products in accordance with local and national regulations. Generally classified as special waste.

Contaminated package: Contaminated package should be disposed of in accordance with local and national regulations.

Other information: We recommend the separation of any waste resulting from this product. It can be dangerous when different photographic products are mixed together.

I. TRANSPORT INFORMATION

UN No: 1760

Description: NOS Silver Nitrate Solution

Containing

ADR/RID	Class:	Item:	TREMCARD:
IMDG/ADNR	Class: 8	Page:	

Pack.gr II

ICAO/IATA	Class: 8	Pass<	Instr:
	Pack.gr: II	Cargo<:	Instr.

I. REGULATORY INFORMATION

Chemical identity: Silver Nitrate Solution <8%

Warning sign EC:

Irritant

Symbol(s):

Xi

R(isk) phrase(s)

R36/38 Irritating to skin and eyes

R52 Harmful to aquatic organisms

S(afety) phrase(s)

S26 In case of contact with eyes rinse with plenty of water and seek medical advice

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection

S45 In case of accident or if you feel unwell seek medical advice

S61 avoid release into the environment

Exposure limits:

Other information:

I. OTHER INFORMATION

The above mentioned information corresponds to our present knowledge and therefore does not guarantee certain properties. The safety data sheet serves as a description of the product in regards to necessary safety measures. Recipients of our product must take responsibility for observing existing laws and regulations.

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Identity: **Fotospeed Salt Printing Kit
Stabiliser 1**

Producer/Distributor: Jay House, Unit 6b,
Park Lane industrial Estate,
Corsham, Wiltshire,
SN13 9LG, U.K.
Tel: +44 (0)1249 714555

Emergency Telephone number +44 (0)7831161781

I. COMPOSITION / INGREDIENT INFORMATION

This is an aqueous solution of inorganic compounds
Normally diluted 1+2 with water to make working solution.

The significant ingredients are:

Chemical Name : Sodium Chloride NaCL %w/w <50%

EINEC No 231-598-3 CAS No 7647-14-5

I. HAZARD IDENTIFICATION

EC classification:

See paragraph 15

Critical hazard to man and the environment: NONE

I. FIRST AID MEASURES

Inhalation: If difficulties occur after inhalation of vapour, move the victim to fresh air. Put person in half sitting position and let rest. In extreme cases seek medical advice.

Skin contact: Flush with plenty of water. Remove contaminated clothing.

Eye contact: Rinse eyes thoroughly with water until irritation stops. In all cases seek medical advice.

Ingestion. Rinse mouth with plenty of water. Give victim considerable amounts of water to drink, do not give anything to drink to an unconscious person. In extreme cases seek medical advice.

Other:

Advice to physician:

I. FIRE-FIGHTING MEASURES**Product is Incombustable**

Suitable extinguishing media: Water, waterspray, Carbon Dioxide dry powder, foam, sand
Only use extinguishing media which are compatible with the surrounding materials.

Unsuitable extinguishing media: All extinguishing media are allowed.

Special exposure hazards:

Hazardous decomposition/combustion products:..

Protective equipment:

Further instructions: Contaminated extinguishing water should be disposed of in a manner approved by the EEC, national and local regulatory agencies.

I. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear personal protective clothing. (See paragraph 8).

Environmental precautions: In case of an accident, avoid release of product into the environment
Try to collect as much as possible in an approved container for later disposal.

Methods for cleaning up: Action should only be taken when fully protected, Contain the area of spillage. Stop the source of leak. Large amounts should be pumped into a container. Small amounts can be collected with absorbing materials. Small remaining leftovers may be washed away with large amounts of water.

I. HANDLING AND STORAGE

Handling: Working areas and methods should be organised in such a way that direct contact is avoided. Wear protective clothing.. When handling chemicals, do not eat, drink or smoke.

Fire and explosion prevention: This preparation contains a lot of water and does not show any flammable or explosive properties, No special fire and explosion prevention procedures are necessary.

Storage requirements: Store in a dry cool, well ventilated place Keep the package closed if not in use.

Other information: Always store in the original container, Do not use the empty contaminated container for any other purposes.

I. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Ensure good ventilation and local exhaust of the working area.

Exposure limits: UK Exposure Limits - None assigned

Personal protection:

Inhalation: Normally a local ventilation is sufficient to keep airborne concentration of chemicals at a low level. No special breathing protection is necessary.

Skin contact: Wear impervious gloves.

Eye contact: Wear close fitting safety goggles.

Ingestion: When handling chemicals do not eat, drink or smoke.

Other information: Always follow the mixing instructions strictly when water or other solutions have to be added to the preparation. Avoid breathing mist or vapour. Avoid contact with eyes and skin. Handle with care.

I. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Liquid

Colour

Colourless

Odour

Odourless

Boiling point/range

>100 deg C

Melting point/range

Not relevant

Flash point

Not relevant

Flammability	Not relevant
Autoignition temperature	Not relevant
Explosive limits lower	Not relevant
Oxidising properties	Not determined
Vapour pressure (20 deg C)	Not determined
Density (20 deg C)	Not relevant
Solubility in water (25 deg C)	Very soluble
Viscosity	As water
Other information	-

I. STABILITY AND REACTIVITY

Stability: The product is stable under normal storage conditions.

Conditions to avoid: None Known.

Materials to avoid:

Hazardous decomposition products:

I. TOXICOLOGICAL INFORMATION

Acute toxicity:

Different routes of exposure, health warnings

Inhalation: Avoid inhalation of vapours, aerosols and mists

Skin contact: Avoid contact with skin.

Eye contact: Avoid contact with eyes

Ingestion: After ingestion of huge quantities - nausea, vomiting and spasm

Other information:

I. ECOLOGICAL INFORMATION

Information about elimination -

Information about environmental compartments:

Ecotoxicity:

Other information: No environmental hazard is anticipated provided the material is disposed of with due care and attention

I. DISPOSAL CONSIDERATIONS

Product or contaminated product: Dispose of leftovers, waste or contaminated products in accordance with local and national regulations.

Contaminated package: Contaminated package should be disposed of in accordance with local and national regulations.

Other information: We recommend the separation of any waste resulting from this product. It can be dangerous when different photographic products are mixed together.

I. TRANSPORT INFORMATION

Not classified as hazardous under transport regulations

UN No:

Description: NON HAZARDOUS LIQUID

Containing

ADR/RID

IMDG/ADNR

ICAO/IATA

Class:

Class:

Pack.gr

Class:

Pack.gr:

Item:

Page:

Pass<

Cargo<:

TREMCARD:

Instr:

Instr.

I. REGULATORY INFORMATION

Chemical identity: Labelling according to ECC Directives - Not dangerous 231-598-3

Warning sign EC:

Symbol(s):

R(isk) phrase(s)

S(afety) phrase(s)

Exposure limits:

Other information:

I. OTHER INFORMATION

The above mentioned information corresponds to our present knowledge and therefore does not guarantee certain properties. The safety data sheet serves as a description of the product in regards to necessary safety measures. Recipients of our product must take responsibility for observing existing laws and regulations.

Data Sources

UK Chemicals (Hazard Information and Packaging) Regulations CHIP 1998

HSC Approved Carriage List - Carriage of Dangerous Goods by Road and Rail (Classification Packaging and Labelling) Regulations 1998

Control of Substances Hazardous to Health Regulations - COSHH

UK HSE 40 Occupational Exposure Limits 1997

ACGIH (Threshold Limit Values and Biological Exposure Indices)

Control of Pollution Act

IMO reports and Studies No 35 (The Evaluation of Harmful Substances Carried by Ships)

IMDG Code (International Maritime Dangerous Goods Codes)

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Identity: **Fotospeed Salt Printing Kit
Stabiliser 2**

Producer/Distributor: Jay House, Unit 6b,
Park Lane industrial Estate,
Corsham, Wiltshire,
SN13 9LG, U.K.
Tel: +44 (0)1249 714555

Emergency Telephone number +44 (0)7831161781

I. COMPOSITION / INGREDIENT INFORMATION

This is an aqueous solution of inorganic compounds diluted with water
Normally further diluted 1+2 with water to make working solution.

The significant ingredients are:

Chemical Name : Potassium Iodide Ki-N %w/w <20%

EINEC No 231-659-4 CAS No 7681-11-0

I. HAZARD IDENTIFICATION

EC classification: Hazardous

Critical hazard to man and the environment: Potassium Iodide

May cause harm to the unborn child

May cause sensitisation by skin contact

Irritating to the skin and eyes

Target organs - Thyroid -- Blood

See paragraph 15 for solution hazard

I. FIRST AID MEASURES

Inhalation: If difficulties occur after inhalation of vapour, produced from fumes, remove the victim to fresh air. Put person in half sitting position, keep warm and let rest. In extreme cases apply artificial respiration if necessary, seek medical advice.

Skin contact: Flush with plenty of water. Remove contaminated clothing. Wash clothing before reuse, seek medical advice if irritation persists.

Eye contact: Holding eyelids apart, rinse eyes thoroughly with water until irritation stops. In all cases seek medical advice.

Ingestion. Rinse mouth with plenty of water. Give victim considerable amounts of water to drink, do not give anything to drink to an unconscious person. Seek immediate medical advice.

Other:

Advice to physician:

I. FIRE-FIGHTING MEASURES

Product is Incombustible

Suitable extinguishing media: Water, water spray, carbon dioxide, dry powder, foam, sand

Only use extinguishing media which are compatible with the surrounding materials.

Unsuitable extinguishing media:

Special exposure hazards:

Hazardous decomposition/combustion products: Emits toxic fumes when involved with fire

Protective equipment: Use approved positive pressure self-contained breathing apparatus when product is involved in a fire.

Further instructions: Contaminated extinguishing water should be disposed of in a manner approved by the EEC, national and local regulatory agencies.

I. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear personal protective clothing. (See paragraph 8).

Environmental precautions: In case of an accident, avoid release of product into the environment Try to collect as much as possible in an approved container for later disposal.

Methods for cleaning up: Action should only be taken when fully protected, Contain the area of spillage. Stop the source of leak. Large amounts should be pumped into a container. Small amounts can be collected with absorbing materials. Small remaining leftovers may be washed away with large amounts of water.

I. HANDLING AND STORAGE

Handling: Working areas and methods should be organised in such a way that direct contact is avoided. Wear protective clothing.. When handling chemicals, do not eat, drink or smoke.

Fire and explosion prevention: This preparation contains a lot of water and does not show any flammable or explosive properties, No special fire and explosion prevention procedures are necessary.

Storage requirements: Store in a dry cool, well ventilated place. Keep the package closed if not in use.

Other information: Always store in the original container, Do not use the empty contaminated container for any other purposes.

I. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Ensure good ventilation and local exhaustion of the working area.

Exposure limits: UK Exposure Limits - None assigned (ACGIH recommended threshold limit value for total DUST 10mg/m³ 8 Hours TWA)

Personal protection:

Inhalation: Do not inhale fumes spray or vapour. Ventilate to keep airborne concentration of chemicals at a low level.

Skin contact: Wear chemical resistant gloves and protective apron. Wash contaminated clothing before re-use

Eye contact: Wear close fitting safety goggles.

Ingestion: Harmful by ingestion. When handling chemicals do not eat, drink or smoke.

Other information: Always follow the mixing instructions strictly when water or other solutions have to be added to the preparation. Avoid breathing mist or vapour. Avoid contact with eyes and skin. Handle with care. Emergency eye bath should be available.

I. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Colour	Colourless
Odour	Odourless
Boiling point/range	>100 deg C
Melting point/range	Not relevant
Flash point	Not relevant
Flammability	Not relevant
Autoignition temperature	Not relevant
Explosive limits lower	Not relevant
Oxidising properties	Not determined
Vapour pressure (20 deg C)	imm Hg
Density (20 deg C)	Not relevant
Solubility in water (25 deg C)	completely
Viscosity	As water
Other information	-

I. STABILITY AND REACTIVITY

Stability: The product is stable under normal storage conditions.

Conditions to avoid: May decompose on exposure to light, air and moisture.

Materials to avoid: Strong Acids, oxidising agents, steel, aluminium, alkali meals, brass, magnesium, zinc, cadmium, copper, tin, nickel and their alloys

Hazardous decomposition products: Hydrogen Iodide, Potassium Oxides

I. TOXICOLOGICAL INFORMATION

Acute toxicity: Prolonged exposure to or consumption of iodides may produce iodism in sensitive individuals. Iodides are readily diffused across the placenta

Different routes of exposure, health warnings

Inhalation: Avoid inhalation of vapours, aerosols and mists May be irritating to the mucous membrane of the upper respiratory tract

Skin contact: Avoid contact with skin. Prolonged contact can produce irritation or burns

Eye contact: Avoid contact with eyes - irritant

Ingestion: Harmful if swallowed

Other information: Prolonged intake may cause headache, confusion, tremors, memory loss, slurred speech, anorexia and acne form skin eruptions. Intensive skin contact may cause dermatitis

I. ECOLOGICAL INFORMATION

Information about elimination -

Information about environmental compartments:

Ecotoxicity:

Other information: Bioaccumulation is not likely to occur since the product is highly soluble in water

I. DISPOSAL CONSIDERATIONS

Product or contaminated product: Dispose of leftovers, waste or contaminated products in accordance with local and national regulations.

Contaminated package: Contaminated package should be disposed of in accordance with local and national regulations.

Other information: We recommend the separation of any waste resulting from this product. It can be dangerous when different photographic products are mixed together.

I. TRANSPORT INFORMATION

Not classified as hazardous under transport regulations

UN No:

Description: NON HAZARDOUS LIQUID

Containing

ADR/RID

Class:

Item:

TREMCARD:

IMDG/ADNR

Class:

Page:

Pack.gr

ICAO/IATA

Class:

Pass<

Instr:

Pack.gr:

Cargoi<

Instr.

I. REGULATORY INFORMATION

Chemical identity:

Warning sign EC:

Harmful

Symbol(s):

Xn

R(isk) phrase(s)

R22 Harmful if swallowed

R42/43 May cause sensitisation by inhalation and skin contact

S(afety) phrase(s)

S23 - Do not breathe fumes/vapour/spray

S36/37 Wear suitable protective clothing and gloves

S45 - In case of accident or if you feel unwell seek medical advice

Exposure limits:

Other information:

I. OTHER INFORMATION

The above mentioned information corresponds to our present knowledge and therefore does not guarantee certain properties. The safety data sheet serves as a description of the product in regards to necessary safety measures. Recipients of our product must take responsibility for observing existing laws and regulations.

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Identity: **Fotospeed Salt Printing Kit
Stabiliser 3**

Producer/Distributor: Jay House, Unit 6b,
Park Lane industrial Estate,
Corsham, Wiltshire,
SN13 9LG, U.K.
Tel: +44 (0)1249 714555

Emergency Telephone number +44 (0)7831161781

I. COMPOSITION / INGREDIENT INFORMATION

This is an aqueous solution of inorganic compounds
Normally diluted 1+2 with water to make working solution.

The significant ingredients are:

Chemical Name : Potassium Bromide KBr %w/w <20%

EINEC No 231-830-3 CAS No 7758-02-3

I. HAZARD IDENTIFICATION

EC classification: Not classified as dangerous

See paragraph 15 for solution hazard

Critical hazard to man and the environment: Potassium Bromide Bromides may produce hydrogen bromide on combustion. Contact with strong oxidants may produce bromine

I. FIRST AID MEASURES

Inhalation: If difficulties occur after inhalation of vapour, produced from heated fumes, remove the victim to fresh air. Put person in half sitting position, keep warm and let rest. In extreme cases apply artificial respiration if necessary, seek medical advice.

Skin contact: Flush with plenty of water. Remove contaminated clothing. Wash clothing before reuse, seek medical advice if irritation persists

Eye contact: Holding eyelids apart, rinse eyes thoroughly with water until irritation stops. In all cases seek medical advice.

Ingestion. Rinse mouth with plenty of water. Give victim considerable amounts of water or milk to drink, do not give anything to drink to an unconscious person. Get medical advice.

Other:

Advice to physician:

I. FIRE-FIGHTING MEASURES**Product is Incombustible**

Suitable extinguishing media: Water, water spray, Carbon Dioxide, dry powder, foam, sand
Only use extinguishing media which are compatible with the surrounding materials.

Unsuitable extinguishing media:**Special exposure hazards:**

Hazardous decomposition/combustion products:... Fumes of Bromine when involved with fire

Protective equipment: Use approved positive pressure self-contained breathing apparatus when product is involved in a fire.

Further instructions: Contaminated extinguishing water should be disposed of in a manner approved by the EEC, national and local regulatory agencies.

I. ACCIDENTAL RELEASE MEASURES

Personal precautions: Wear personal protective clothing. (See paragraph 8).

Environmental precautions: In case of an accident, avoid release of product into the environment
Try to collect as much as possible in an approved container for later disposal.

Methods for cleaning up: Action should only be taken when fully protected, Contain the area of spillage. Stop the source of leak. Large amounts should be pumped into a container. Small amounts can be collected with absorbing materials. Small remaining leftovers may be washed away with large amounts of water.

I. HANDLING AND STORAGE

Handling: Working areas and methods should be organised in such a way that direct contact is avoided. Wear protective clothing.. When handling chemicals, do not eat, drink or smoke.

Fire and explosion prevention: This preparation contains a lot of water and does not show any flammable or explosive properties, No special fire and explosion prevention procedures are necessary.

Storage requirements: Store in a dry cool, well ventilated place. Keep the package closed if not in use.

Other information: Always store in the original container, Do not use the empty contaminated container for any other purposes.

I. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: Ensure good ventilation and local exhaustion of the working area.

Exposure limits: UK Exposure Limits - None assigned (ACGIH recommended threshold limit value for total DUST 10mg/m³ 8 Hours TWA)

Personal protection:

Inhalation: Normally a local ventilation is sufficient to keep air borne concentration of chemicals at a low level. No special breathing protection is necessary.

Skin contact: Wear impervious gloves.

Eye contact: Wear close fitting safety goggles.

Ingestion: When handling chemicals do not eat, drink or smoke.

Other information: Always follow the mixing instructions strictly when water or other solutions have to be added to the preparation. Avoid breathing mist or vapour. Avoid contact with eyes and skin. Handle with care. Wash and eye bath should be available.

I. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid
Colour	Colourless
Odour	Odourless
Boiling point/range	>100 deg C
Melting point/range	Not relevant
Flash point	Not relevant
Flammability	Not relevant
Autoignition temperature	Not relevant
Explosive limits lower	Not relevant
Oxidising properties	Not determined
Vapour pressure (20 deg C)	imm Hg at 795 deg.c
Density (20 deg C)	Not relevant
Solubility in water (25 deg C)	65.6g/100ml
Viscosity	As water
Other information	-

I. STABILITY AND REACTIVITY

Stability: The product is stable under normal storage conditions.

Conditions to avoid: Heating above 800deg.c.

Materials to avoid: Strong Acids, oxidising agents, heavy metal salts and bromine trifluoride

Hazardous decomposition products: Bromine

I. TOXICOLOGICAL INFORMATION

Acute toxicity: Human oral LDLO: 500mg/kg

Different routes of exposure, health warnings

Inhalation: Avoid inhalation of vapours, aerosols and mists Causes sore throat, coughing shortness of breath

Skin contact: Avoid contact with skin. Prolonged contact can produce irritation or burns

Eye contact: Avoid contact with eyes - irritant

Ingestion: Pain in swallowing, abdominal pain, nausea and vomiting

Other information: Prolonged intake may cause headache, confusion, tremors, memory loss, slurred speech, anorexia and acne form skin eruptions. Intensive skin contact may cause dermatitis

I. ECOLOGICAL INFORMATION

Information about elimination - KBr is an inorganic salt which fully dissociates in aquatic environment to bromide and potassium ions. It also undergoes degradation in soil to bromide ion (no further degradation or biodegradation will occur)

Information about environmental compartments: Potassium Bromide

Aquatic Toxicity **LC50 Fish** 3200mg/l 5 days (rainbow trout)

EC50 Daphnia >100mg/l 48hour

Avian Toxicity Acute **LD50 Bobtail Quail** >2500mg/kg

Dietary LC50 Bobtail Quail 6000ppm

Ecotoxicity:

Other information: Bioaccumulation is not likely to occur since the product is highly soluble in water

I. DISPOSAL CONSIDERATIONS

Product or contaminated product: Dispose of leftovers, waste or contaminated products in accordance with local and national regulations.

Contaminated package: Contaminated package should be disposed of in accordance with local and national regulations.

Other information: We recommend the separation of any waste resulting from this product. It can be dangerous when different photographic products are mixed together.

I. TRANSPORT INFORMATION

Not classified as hazardous under transport regulations

UN No:

Description: NON HAZARDOUS LIQUID

Containing

ADR/RID

Class:

Item:

TREMCARD:

IMDG/ADNR

Class:

Page:

Pack.gr

ICAO/IATA

Class:

Pass<

Instr:

Pack.gr:

Cargoi<

Instr.

I. REGULATORY INFORMATION

Chemical identity: Labelling according to ECC Directives - Not dangerous 231-598-3

Warning sign EC:

Symbol(s):

R(isk) phrase(s)

S(afety) phrase(s)

Exposure limits:

Other information:

I. OTHER INFORMATION

The above mentioned information corresponds to our present knowledge and therefore does not guarantee certain properties. The safety data sheet serves as a description of the product in regards to necessary safety measures, Recipients of our product must take responsibility for observing existing laws and regulations.

Data Sources

UK Chemicals (Hazard Information and Packaging) Regulations CHIP 1998

HSC Approved Carriage List - Carriage of Dangerous Goods by Road and Rail (Classification Packaging and Labelling) Regulations 1998

Control of Substance Hazardous to Health Regulations - COSHH

UK HSE 40 Occupational Exposure Limits 1997

ACGIH (Threshold Limit Values and Biological Exposure Indices)

Control of Pollution Act

IMO reports and Studies No 35 (The Evaluation of Harmful Substances Carried by Ships)

IMDG Code (International Maritime Dangerous Goods Codes)