

August 1995 **Fotospeed Material Safety Data Sheet** BT20/1

**1. CHEMICAL PRODUCT AND COMPANY INFORMATION**

**Product Identity :**

**BT20 BLUE TONER  
PART 1**

**Producer / Distributor :**

Jay House Ltd, Unit 6b, Park Lane Ind. Estate,  
Corsham, Wiltshire SN13 9LG, UK.  
Tel: +44 (0)1249 714555  
email: tech@fotospeed.com

**2. COMPOSITION / INGREDIENT INFORMATION**

This is a liquid preparation of mainly inorganic compounds dissolved in water. The main ingredients are :

| <b>Chemical Name and<br/>Symbol letter</b> | <b>%w/w<br/>R-Phrases</b> | <b>S-Phrases</b> | <b>EINEC No</b> | <b>CAS No</b> |
|--|---------------------------|------------------|-----------------|---------------|
| POTASSIUM FERRICYANIDE                     | 3-5 %                     | -                | 237-323-3       | 13746-66-2    |
| -  | -                         | -                |                 |               |

**3. HAZARD IDENTIFICATION**

**EC classification :**

See paragraph 15

**Most important hazards :**

**4. FIRST AID MEASURES**

**Inhalation :** 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 induce vomiting. In extreme cases seek medical advice.

**Other :** No typical symptoms and effects known.

**Advice to physician :**

**5. FIRE-FIGHTING MEASURES**

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

Water, waterspray, Carbon dioxide, dry powder, foam, sand.

**Unsuitable extinguishing media** : All extinguishing media are allowed.

**Special exposure hazards** : When product is involved in a fire, toxic fumes and smoke may be generated. Do not breathe these fumes

**Hazardous decomposition/combustion products** : K2O & CN

**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.

## 6. ACCIDENTAL RELEASE MEASURES

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

When vapours, aerosols or mists are formed, wear suitable respiratory protection.

**Environmental precautions** : In case of an accident, avoid release of product into the environment. Prevent product getting into sewerage systems or public waterways.

Try to collect as much as possible in an approved container for later disposal

**Methods for cleaning up** : Action may 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

## 7. HANDLING AND STORAGE

**Handling** : Working areas and methods should be organised in such a way that direct contact is avoided. Wear protective clothing. Emergency wash and eye rinse facilities must be accessible. 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 away from all sources of ignition and heating. 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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

**Exposure limits** : -

**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.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

|  |                  |
|--|------------------|
| Appearance                             | : Liquid         |
| Colour                                 | : Yellow         |
| Odour                                  | : Odourless      |
| Boiling point/range                    | : Not determined |
| 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 (20deg C)              | : Not determined |
| Density (20deg C)                      | : 1.02           |
| Solubility in water (25deg C)          | : Completely     |
| Solubility in other solvents (25deg C) | : Not determined |
| pH value (25deg C)                     | : 7.0            |
| pH solution in water                   | : Not determined |
| Partition coefficient n-octanol/water  | : Not determined |
| Viscosity                              | : As water       |
| Other information                      | : -              |

**10. STABILITY AND REACTIVITY**

**Stability** : The product is stable under normal storage conditions

**Conditions to avoid** : The product is neutral but slightly oxidising.

**Materials to avoid** :-

**Hazardous decomposition products** Only when the product is involved in a fire, or when it is handled incorrectly, is there a possibility that decomposition products will be generated. ( See paragraph 5 )

**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity** :-

**Different routes of exposure, health warnings**

**Inhalation** : Avoid breathing mist, vapour or aerosols. Ventilate as required to keep concentrations low.

**Skin contact** : Avoid contact with skin.

**Eye contact** : Can cause irritation.

**Ingestion** : No specific exposure limits determined for this preparation. None of the ingredients shows a high risk when ingested

**Other information** :-

**Experience with humans** :

**12. ECOLOGICAL INFORMATION**

**Information about elimination**

**Information about environmental compartments** :

**Ecotoxicity** :-

**Other information** :-

**13. 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

**14. TRANSPORT INFORMATION**

Not regulated

**15. REGULATORY INFORMATION**

**Chemical identity** : -

**Warning sign EC** : -

**Symbol(s)** : -

**R(isk) phrase(s)** :

-

**S(afety) phrase(s)** :

-

**Exposure limits** : -

**Other information** : -

**16. 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 :

# BT20 BLUE TONER PART 2

Producer / Distributor :

Jay House Ltd, Unit 6b, Park Lane Ind. Estate,  
Corsham, Wiltshire SN13 9LG, UK.  
Tel: +44 (0)1249 714555  
email: tech@fotospeed.com

## 2. COMPOSITION / INGREDIENT INFORMATION

This is a liquid preparation of inorganic and organic compounds dissolved in water. The main ingredients are :

**Chemical Name and %w/w**

| Symbol letter        | R-Phrases | S-Phrases | EINEC No | CAS No |
|----------------------|-----------|-----------|----------|--------|
| Isothiazolinones <1% |           |           |          |        |
| Xi                   | 38,41,43  | 26,28     | -        | -      |

## 3. HAZARD IDENTIFICATION

**EC classification :**

See paragraph 15

**Most important hazards :**

## 4. FIRST AID MEASURES

**Inhalation :** 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. Wash thoroughly before re-use

**Eye contact :** Rinse eyes thoroughly with water until irritation stops. Seek medical advice.

**Ingestion :** Rinse mouth with plenty of water. Give victim considerable amounts of water to drink. Never give an unconscious person anything to drink. Seek medical advice.

**Other :** No typical symptoms and effects known.

**Advice to physician :**

## 5. FIRE-FIGHTING MEASURES

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

Water, waterspray, Carbon dioxide, dry powder, foam, sand.

**Unsuitable extinguishing media :** All extinguishing media are allowed.

**Special exposure hazards :** When product is involved in a fire, toxic fumes and smoke may be generated. Do not breathe these fumes

**Hazardous decomposition/combustion products :** CO, CO<sub>2</sub>, & NH<sub>3</sub>

**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.

## 6. ACCIDENTAL RELEASE MEASURES

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

When vapours, aerosols or mists are formed, wear suitable respiratory protection.

**Environmental precautions** : In case of an accident, avoid release of product into the environment. Prevent product getting into sewerage systems or public waterways.

Try to collect as much as possible in an approved container for later disposal

**Methods for cleaning up** : Action may 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

## 7. HANDLING AND STORAGE

**Handling** : Working areas and methods should be organised in such a way that direct contact is avoided. Wear protective clothing. Emergency wash and eye rinse facilities must be accessible. 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 away from all sources of ignition and heating. 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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

**Exposure limits** : -

**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** : Risk of serious damage to eyes. 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                           |                  |
|---------------------------|------------------|
| Appearance                | : Liquid         |
| Colour                    | : Yellow         |
| Odour                     | : Odourless      |
| Boiling point/range       | : Not determined |
| 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 (20deg C) | : Not determined |
| Density (20deg C)         | : 1.02           |

|  |                  |
|--|------------------|
| Solubility in water (25deg C)          | : Completely     |
| Solubility in other solvents (25deg C) | : Not determined |
| pH value (25deg C)                     | : 2.8            |
| pH solution in water                   | : Not determined |
| Partition coefficient n-octanol/water  | : Not determined |
| Viscosity                              | : As water       |
| Other information                      | : -              |

## 10. STABILITY AND REACTIVITY

**Stability** : The product is stable under normal storage conditions  
**Conditions to avoid** : Avoid contact with strong alkaline solutions as heat and fumes may be generated.  
**Materials to avoid** : May be corrosive to some metals  
**Hazardous decomposition products** Only when the product is involved in a fire, or when it is handled incorrectly, is there a possibility that decomposition products will be generated. ( See paragraph 5 )

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity** : -  
**Different routes of exposure, health warnings**  
**Inhalation** : Avoid breathing mist, vapour or aerosols. Ventilate as required to keep concentrations low.  
**Skin contact** : Avoid contact with skin.  
**Eye contact** : Risk of serious damage to eyes  
**Ingestion** : No specific exposure limits determined for this preparation. None of the ingredients shows a high risk when ingested  
**Other information** : -  
**Experience with humans** :

**12. ECOLOGICAL INFORMATION**

Information about elimination

Information about environmental compartments :

Ecotoxicity :-

Other information :-

**13. 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

**14. TRANSPORT INFORMATION**

UN No. :-

Description : NON HAZARDOUS LIQUID

Containing :-

ADR/RID Class :-

IMDG/ADNR Class :-

Pack.gr:-

ICAO/IATA Class :-

Pack.gr:-

Item :-

Page :-

Pass< :-

Cargo<:-

TREMCARD:-

EmS :-

MFAG :

Instr. :-

Instr. :-

**15. REGULATORY INFORMATION**

Chemical identity : -

Warning sign EC : -

Symbol(s) : -

R(isk) phrase(s) :

S(afety) phrase(s) :

Exposure limits :-

Other information :-

**16. 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 :

# BT20 BLUE TONER PART 3

Producer / Distributor :

Jay House Ltd, Unit 6b, Park Lane Ind. Estate,  
Corsham, Wiltshire SN13 9LG, UK.  
Tel: +44 (0)1249 714555  
email: tech@fotospeed.com

## 2. COMPOSITION / INGREDIENT INFORMATION

This is a liquid preparation of mainly organic compounds dissolved in water. The main ingredients are :

**Chemical Name and %w/w**

**Symbol letter**

OXALIC ACID <5 %

Xn

**R-Phrases**

21/22

**S-Phrases**

2-24/25

**EINEC No**

205-634-3

**CAS No**

144-62-7

## 3. HAZARD IDENTIFICATION

**EC classification :**

See paragraph 15

**Most important hazards :**

## 4. FIRST AID MEASURES

**Inhalation :** 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. Wash afterwards with plenty of water and soap. Seek medical advice.

**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. In all cases seek medical advice.

**Other :** No typical symptoms and effects known.

**Advice to physician :**

## 5. FIRE-FIGHTING MEASURES

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

Water, waterspray, Carbon dioxide, dry powder, foam, sand.

**Unsuitable extinguishing media** : All extinguishing media are allowed.

**Special exposure hazards** : When product is involved in a fire, toxic fumes and smoke may be generated. Do not breathe these fumes

**Hazardous decomposition/combustion products** :- CO, CO<sub>2</sub> & Formic Acid

**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.

## 6. ACCIDENTAL RELEASE MEASURES

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

When vapours, aerosols or mists are formed, wear suitable respiratory protection.

**Environmental precautions** : In case of an accident, avoid release of product into the environment. Prevent product getting into sewerage systems or public waterways.

Try to collect as much as possible in an approved container for later disposal

**Methods for cleaning up** : Action may 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

## 7. HANDLING AND STORAGE

**Handling** : Working areas and methods should be organised in such a way that direct contact is avoided. Wear protective clothing. Emergency wash and eye rinse facilities must be accessible. 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 away from all sources of ignition and heating. 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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

**Exposure limits** :

OXALIC ACID                      EH40 = 1mg/M3

**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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|  |                  |
|--|------------------|
| Appearance                             | : Liquid         |
| Colour                                 | : Colourless     |
| Odour                                  | : Odourless      |
| Boiling point/range                    | : Not determined |
| 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 (20deg C)              | : Not determined |
| Density (20deg C)                      | : 1.01           |
| Solubility in water (25deg C)          | : Completely     |
| Solubility in other solvents (25deg C) | : Not determined |
| pH value (25deg C)                     | : 1.5            |
| pH solution in water                   | : Not determined |
| Partition coefficient n-octanol/water  | : Not determined |
| Viscosity                              | : As water       |
| Other information                      | : -              |

## 10. STABILITY AND REACTIVITY

**Stability** : The product is stable under normal storage conditions

**Conditions to avoid** : This is a slightly acidic product and contact with alkaline solutions may liberate heat and fumes.

**Materials to avoid** Corrosive to various metals.

**Hazardous decomposition products** Only when the product is involved in a fire, or when it is handled incorrectly, is there a possibility that decomposition products will be generated. ( See paragraph 5 )

## 11. TOXICOLOGICAL INFORMATION

**Acute toxicity** :

OXALIC ACID LD50 (Oral Rat) = 375mg/kg

**Different routes of exposure, health warnings**

**Inhalation** : Avoid breathing mist, vapour or aerosols. Ventilate as required to keep concentrations low.

**Skin contact** : Avoid contact with skin.

**Eye contact** : Can cause irritation.

**Ingestion** : Harmful by ingestion.

**Other information** :

**Experience with humans** :

## 12. ECOLOGICAL INFORMATION

**Information about elimination**

**Information about environmental compartments** :

**Ecotoxicity** : - Oxalic Acid in High Concentrations is dangerous to aquatic life.

**Other information** : -

### 13. 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

### 14. TRANSPORT INFORMATION

**UN No.** :-

**Description** : NON HAZARDOUS

**Containing** :-

**ADR/RID Class** :-

**Item** :-

**TREMCARD:** -

**IMDG/ADNR Class** :-

**Page** :-

**EmS** :-

**Pack.gr:** -

**MFAG** :

**ICAO/IATA Class** :-

**Pass<** :-

**Instr.** :-

**Pack.gr:** -

**Cargo<:** -

**Instr.** :-

### 15. REGULATORY INFORMATION

**Chemical identity** :

**Warning sign EC** : -

**Symbol(s)** :

**R(isk) phrase(s)** :

**S(afety) phrase(s)** :

**Exposure limits** :

**Other information** :-

### 16. 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 regulation