



## SAFETY DATA SHEET

### 38779 - IPP-Plus Super Silver Fountain Concentrate

#### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product name** : 38779 - IPP-Plus Super Silver Fountain Concentrate  
**Chemical product name** : -  
**Synonyms** : -  
**Chemical formula** : -  
**Use of the substance/preparation** : Used within the Lithographic Printing Industry as a fountain solution.  
**CAS Number** : -  
**Supplier** : **AB Dick Company Limited**  
 Great West Trading Estate  
 983 Great West Road  
 Brentford  
 Middlesex  
 TW8 9DN England  
 Tel: +44 (0)20 8326 1200  
 Telefax: +44 (0)20 8326 1201  
**Emergency telephone number** : Tel: +44 (0)20 8326 1200

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/preparation** : Preparation

##### Information on hazardous ingredients \*

Chemical name	CAS No.	%	EC Number	Symbol	R-Phrases
2-Butoxyethanol	111-76-2	30 - 40	203-905-0	Xn	R20/21/22-36/38
Propylene Glycol	57-55-6	5 - 15	200-338-0	-	-
Ammonium nitrate	6484-52-2	1 - 5	229-347-8	-	-
Water	7732-18-5	30 - 50		-	-

\* *Occupational Exposure Limit(s), if available, are listed in section 8*

\* *R-phrases (complete text) are listed in section 16*

#### 3. HAZARDS IDENTIFICATION

**Physical/chemical hazards** : The data available do not support any physical or chemical hazard.  
**Human health hazards** : Harmful. Irritating.  
**Environmental hazards** : The data available do not support any environmental hazard.

#### 4. FIRST-AID MEASURES

##### Effects and symptoms

**Inhalation** : Exposure may result in health complaints. Prolonged or repeated inhalation may be irritating (depressed respiration, coughing and sore throat).  
**Ingestion** : Exposure may result in health complaints. Irritating to mouth, throat and oesophagus. Exposure may result in sore throat, nausea, retching and blisters. Prolonged or repeated exposure to large amounts may result in unconsciousness or coma.

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- Skin contact** : Exposure may result in health complaints. Irritating to skin. Exposure may result in redness, swelling and pain. Prolonged or repeated skin contact may result in burns and blisters.
- Eye contact** : Irritating to eyes. Exposure may result in impaired vision, tears, redness and pain.

#### First-aid measures

- Inhalation** : Immediately remove victim to fresh air. Keep victim at rest. If breathing is difficult: mouth-to-mouth resuscitation. If not breathing: artificial respiration. Immediately get medical attention.
- Ingestion** : Never give anything by mouth to an unconscious person. Do not induce vomiting. Wash out mouth with water. Make victim drink water. Keep victim at rest. Immediately get medical attention.
- Skin contact** : Wash off with plenty of water, for at least 15 minutes. Remove contaminated clothing. (Do not pull loose). Wash off with plenty of water. Immediately get medical attention.
- Eye contact** : Immediately wash out with plenty of water with the eyelid held wide open for at least 15 minutes. After initial flushing, remove any contact lenses and continue flushing. Immediately get medical attention.
- Protection of first-aiders** : Avoid exposure. Use appropriate protection (see section 8).

#### 5. FIRE-FIGHTING MEASURES

##### Extinguishing media

- Suitable** : All types of extinguishing agent permitted.
- Special fire-fighting procedures** : Dike fire control water for later disposal.
- Hazardous thermal (de)composition products** : CO, CO<sub>2</sub>, NH<sub>3</sub>, NO, NO<sub>x</sub>.
- Protection of fire-fighters** : Burning may produce: toxic and/or corrosive vapours/gases. Use breathing apparatus (self-contained breathing apparatus with full face shield). Wear suitable protective clothing.

#### 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions** : Evacuate room. Contact safety officer immediately. Self-contained breathing apparatus with full face shield.
- Environmental precautions** : Prevent dispersion. Do not allow to enter sewage system. In the event of major spillage: Contact safety officer immediately.
- Methods for cleaning up** : Seal leak if possible without risk. Prevent dispersion. Clean up only under supervision of an expert. Collect spilled material in sealable containers. Absorb remainder in sand or other inert material. Collect in sealable containers.

#### 7. HANDLING AND STORAGE

- Handling** : When handling the product, allow for materials and conditions which should be avoided (see Chapter 10). Avoid exposure. Use appropriate protection (see section 8).
- Specific use(s)** : Used within the Lithographic Printing Industry as a fountain solution.
- Storage** : When storing the product, allow for materials and conditions which should be avoided (see Chapter 10). Ventilation required.



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#### Packaging materials

**Suitable** : Not available.  
**Not suitable** : Not available.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering measures** : Ventilation required.  
**Hygiene measures** : When using do not eat, drink or smoke. Follow good housekeeping practices.

#### **Occupational Exposure Limits - Europe**

**Chemical name** : **OEL (Europe)**  
 2-Butoxyethanol : TWA: 98 mg/m<sup>3</sup> (skin)  
 STEL: 246 mg/m<sup>3</sup> (skin)

#### **Occupational Exposure Limits - United Kingdom**

**Chemical name** : **OEL (United Kingdom)**  
 2-Butoxyethanol : TWA: 123 mg/m<sup>3</sup> (skin)  
 STEL: 246 mg/m<sup>3</sup> (skin)  
 Propylene Glycol : TWA: 474 mg/m<sup>3</sup> (150 ppm, vapours and mist)  
 TWA: 10 mg/m<sup>3</sup> (particles)

#### Personal protective equipment

**Respiratory system** : With sufficient ventilation, extraction or closed system, breathing apparatus not necessary. In the event of possible exposure: gas/vapour filter.

**Skin and body** : Wear suitable protective clothing.

**Hands** : Wear suitable gloves (butyl rubber gloves or neoprene gloves).  
 Breakthrough time: Not available.

**Eyes** : With sufficient extraction or closed system: safety goggles. In the event of possible exposure: combined eye and respiratory protection.

**Environmental exposure controls** : EU Regulations:  
 Water (2001/60/EC): Not listed.  
 Air (1992/62/EC): Not listed.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state** : Clear liquid.  
**Colour** : Blue  
**Odour** : Glycol, ether-like.  
**Molecular weight** : Not available.



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<b>Boiling point</b>	: Not available.
<b>Melting point</b>	: Not available.
<b>Density</b>	: Not available.
<b>Bulk density</b>	: Not available.
<b>Vapour density (air=1)</b>	: < 1
<b>Vapour pressure</b>	: Not available.
<b>Specific gravity (H<sub>2</sub>O=1)</b>	: 1.028
<b>Solubility in water</b>	: Soluble in water.
<b>Solubility in other ingredients</b>	: Not available.
<b>Octanol/water partition coefficient</b>	: Not available.
<b>pH</b>	: 4.10
<b>Flash point</b>	: Not available.
<b>Flammability</b>	: Not available.
<b>Explosion properties</b>	: Not explosive.
<b>Viscosity</b>	: Not available.

#### 10. STABILITY AND REACTIVITY

<b>Stability</b>	: Stable under normal conditions.
<b>Conditions to avoid</b>	: Avoid contact with open flame and excessive heat.
<b>Materials to avoid</b>	: Incompatible products, organic materials, explosives.
<b>Hazardous reactions</b>	: Not available.
<b>Hazardous decomposition products</b>	: Not available.

#### 11. TOXICOLOGICAL INFORMATION

<b>Acute toxicity - Oral</b>	: Harmful if swallowed.
<b>Acute toxicity - Dermal</b>	: Harmful in contact with skin.
<b>Acute toxicity - Inhalation</b>	: Harmful by inhalation.
<b>Skin irritation</b>	: Irritating to skin.
<b>Eye irritation</b>	: Irritating to eyes.
<b>Chemical name</b>	: <b>2-Butoxyethanol</b>
<b>Acute toxicity - Oral</b>	: LD <sub>50</sub> (rat): 2400 mg/kg
<b>Acute toxicity - Dermal</b>	: LD <sub>50</sub> (rabbit): 400 mg/kg
<b>Acute toxicity - Inhalation</b>	: LC <sub>50</sub> (rat, 4 hours): 500 ppm
<b>Skin irritation</b>	: (rabbit): 500 mg (light)
<b>Eye irritation</b>	: (rabbit): 100 mg (Severely irritating)
<b>Reproduction toxicity</b>	: TD <sub>10w</sub> (mouse): 7 g/kg
<b>Chemical name</b>	: <b>Propylene Glycol</b>
<b>Acute toxicity - Oral</b>	: LD <sub>50</sub> (rat): 20000 mg/kg
<b>Acute toxicity - Dermal</b>	: LD <sub>50</sub> (rabbit): 20800 mg/kg
<b>Chemical name</b>	: <b>Ammonium nitrate</b>
<b>Acute toxicity - Oral</b>	: LD <sub>50</sub> (rat): 2217 mg/kg

#### 12. ECOLOGICAL INFORMATION

No ecological information is known on the product but some is available on the ingredients defined in section 2.

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**Chemical name** : 2-Butoxyethanol  
**Ecotoxicity** : LC<sub>50</sub> (fish, 96 hour): 1250 mg/l  
 EC<sub>50</sub> (Daphnia magna, 24 hour): 1815 mg/l  
**Chemical name** : Ammonium nitrate

#### 13. DISPOSAL CONSIDERATIONS

**Methods of disposal** : Disposal according to the local legislation.  
**Waste of residues** : Keep waste separate. Because of possible pollution, remove as industrial waste or hazardous waste.  
**Contaminated packaging** : Keep waste packaging separate. Because of possible pollution, remove as industrial waste or hazardous waste.

#### 14. TRANSPORT INFORMATION

##### International transport regulations

**UN number** : 2810

##### Land - Road/Railway

**Proper shipping name** : Toxic organic liquid, N.O.S. (2-butoxyethanol).  
**ADR/RID Class** : 6.1  
**Classification code** : T1  
**Packing group** : III  
**Hazard Identification Number** : 60

#### 15. REGULATORY INFORMATION

##### EU Regulations

**EU Classification**  
 (67/548/EEC-1999/45/EC)

**Hazard symbol(s)** : Xn



HARMFUL

**Risk phrases** : R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.  
 R36/38: Irritating to eyes and skin.

**Safety phrases** : S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
 S36/37: Wear suitable protective clothing and gloves.

##### National regulations

**United Kingdom** : No additional national regulations are known to the supplier.



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**16. OTHER INFORMATION**

**List of relevant R-phrases** : Not applicable.

**(section 2)**

The information contained in the Safety data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as warranty or as a specification. The information relates only to the product specified and may not be suitable in processes other than those specifically described herein.

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