



SAFETY DATA SHEET

38774 - IPP-Plus Deletion Pen

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

Product name : 38774 - IPP-Plus Deletion Pen
Chemical product name : -
Synonyms : -
Chemical formula : -
Use of the substance/preparation : Used within the Lithographic Printing Industry deleting unwanted image from silver plates.
CAS Number : -
Supplier : **AB Dick Company Limited**
 Great West Trading Estate
 983 Great West Road
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 Middlesex
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation : Preparation

Information on hazardous ingredients *

Chemical name	CAS No.	%	EC Number	Symbol	R-Phrases
Ammonium thiosulphate	7783-18-8	10.00 - 30.00	231-982-0		
Diammonium N,N-bis2-[bis(carboxymethyl)amino]ethyl]glycinate(5-)]ferrate	85959-68-8	5.00 - 10.00	289-064-0		
Potassium sulphite	10117-38-1	5.00 - 10.00	233-321-1		

* *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 : May be harmful. May be irritating.
Environmental hazards : The data available do not support any environmental hazard.

4. FIRST-AID MEASURES

Effects and symptoms

Inhalation : Prolonged or repeated inhalation may be irritating (depressed respiration, coughing and sore throat).
Ingestion : Exposure to high concentrations may result in health complaints. Prolonged or repeated exposure may be irritating to mouth, throat and oesophagus (sore throat, nausea and retching).
Skin contact : Prolonged or repeated exposure may be irritating (redness, pain).



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Eye contact : Prolonged or repeated exposure to even very small quantities may be irritating (redness, tears 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. Consult a doctor in the event of any complaints.

Ingestion : Never give anything by mouth to an unconscious person. Wash out mouth with water. Make victim drink water. Keep victim at rest. Immediately get medical attention.

Skin contact : Remove contaminated clothing. Wash off with water. Consult a doctor in the event of any complaints.

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, CO₂, SO_x, NO_x.

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. Wear suitable protective clothing, gloves and eye/face protection.

Environmental precautions : Prevent dispersion. Do not allow to enter sewage system.

Methods for cleaning up : Seal leak if possible without risk. Prevent dispersion. Collect spilled material in sealable containers. Wash away remainder with plenty of water.

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 deleting unwanted image from silver plates.

Storage : No specific protective measures are required.

Packaging materials

Suitable : Not available.

Not suitable : Not available.



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures	: Ventilation recommended.
Hygiene measures	: When using do not eat, drink or smoke. Follow good housekeeping practices.
Occupational Exposure Limits - Europe	: No occupational exposure limits have been established - Europe.
Occupational Exposure Limits - United Kingdom	: No occupational exposure limits have been established - United Kingdom.
<u>Personal protective equipment</u>	
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 PVC coated gloves). Breakthrough time: Not available.
Eyes	: Safety glasses.
Environmental exposure controls	: EU Regulations: Water (2001/60/EC): Not listed. Air (1992/62/EC): Not listed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	: Solution.
Colour	: Reddish brown.
Odour	: Odourless.
Molecular weight	: Not available.
Boiling point	: > 100 °C
Melting point	: < -4 °C
Density	: Not available.
Bulk density	: Not available.
Vapour density (air=1)	: As water.
Vapour pressure	: As water.
Specific gravity (H₂O=1)	: 1.20 (25 °C)
Solubility in water	: Soluble in water.
Solubility in other ingredients	: Not available.
Octanol/water partition coefficient	: Not available.
pH	: 7.0 (25 °C)
Flash point	: Not available.
Flammability	: Not available.
Explosion properties	: Not available.

10. STABILITY AND REACTIVITY

Stability	: Stable under normal conditions.
Hazardous reactions	: Not available.



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Hazardous decomposition products : CO_x, SO_x, NO_x gas.

11. TOXICOLOGICAL INFORMATION

No toxicological information is available on the product, but some is available on the ingredients defined in section 2.

Chemical name : Ammonium thiosulphate
Acute toxicity - Oral : LD₅₀ (rat): 2890 mg/kg

12. ECOLOGICAL INFORMATION

No ecological information is known on the product.

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

Free for transport regulations.

15. REGULATORY INFORMATION

EU Regulations
EU Classification (67/548/EEC-1999/45/EC) : This product is not dangerous according to the EU regulations.

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

16. OTHER INFORMATION

List of relevant R-phrases (section 2) : Not applicable.

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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HISTORY

Date of printing : 01-07-2003
Date previous issue : 01-07-2003
Date of issue : 01-07-2003
Version : 001.00.00

The version-number is made up of three parts; part 1 is a general information code, part 2 a country-specific code and part 3 a language-specific code (Country: Great Britain; Language: English)

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