

ILFORD PHOTO

HARMAN technology Ltd

SAFETY DATA SHEET

Hypam Fixer

1. IDENTIFICATION

Product Name	Hypam Fixer
Product No.	1758285
Internal Id	10023
Container Size	500ml 1 Liter 5 Liter
Identified uses	Fixer Solution
Supplier	Distributors USA: WYNIT Inc, 5801 East Taft Road, North Syracuse, NY 13212. Tel: 1 800 GO WYNIT (469 9648) or 1 315 437 4167, Fax: 1 315 437 0432 Canada: Amplis Foto Inc, 22 Telson Road, Markham, Ontario L3R 1E5, Tel: 905 477 4111, Fax: 905 477 2502
Contact Person	Dr Trevor Rhodes, HARMAN technology Ltd, Tel: +44(0)1565 650000, email: trevor.rhodes@ifordphoto.com
Emergency Telephone	USA/Canada: For medical emergency, call 1 800 842 9660 (Product Misuse).

2. HAZARD(S) IDENTIFICATION

May irritate eyes.	
Appearance	Liquid
Color	Yellow. Green.
Odor	Slightly pungent odor.

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM - WHMIS

WHMIS Label

Not Classified According to
WHMIS.

Controlled Product Classification

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (CPR SECTION (33)) This product has been classified according to the hazard criteria of the Controlled Product Regulations, and the MSDS contains all required information.

Inhalation

No specific health warnings noted.

Ingestion

No specific health warnings noted.

Skin Contact

No specific health warnings noted.

Eye Contact

May cause temporary eye irritation.

Health Warnings

No specific health warnings noted. Spray and vapor in the eyes may cause irritation and smarting.

Route Of Entry

Ingestion. Skin and/or eye contact.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hypam Fixer

ACETIC ACID ...% 1-5%
CAS No.: 64-19-7 EC No.: 200-580-7
GHS Classification Flam. Liq. 3 - H226; Skin Corr. 1A - H314
Boric Acid 1-5%
CAS No.: 10043-35-3 EC No.: 233-139-2
GHS Classification Repr. 1B - H360FD
SODIUM METABISULPHITE 1-5%
CAS No.: 7681-57-4 EC No.: 231-673-0
GHS Classification Acute Tox. 4 - H302; Eye Dam. 1 - H318

Composition Comments

Not classified as hazardous according to the criteria of Worksafe Australia

4. FIRST-AID MEASURES

Description of first aid measures

Inhalation

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

Rinse mouth thoroughly. Get medical attention if any discomfort continues.

Skin Contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Contact physician if irritation continues.

Eye Contact

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Contact physician if irritation persists.

Most important symptoms and effects, both acute and delayed

Inhalation

No specific symptoms noted.

Ingestion

No specific symptoms noted.

Skin Contact

No specific symptoms noted.

Eye Contact

May cause temporary eye irritation.

Indication of any immediate medical attention and special treatment needed

Notes To The Physician

No specific first aid measures noted.

5. FIRE-FIGHTING MEASURES

Hypam Fixer

Extinguishing Media

The product is non-combustible. Use extinguishing media appropriate for surrounding fire.

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Specific Hazards

The product is non-combustible. If heated, harmful vapors may be formed.

Special Fire Fighting Procedures

Avoid breathing fire vapors.

Protective Equipment For Fire-Fighters

Use protective equipment appropriate for surrounding materials. Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions

Avoid contact with skin and eyes. Provide adequate ventilation. For personal protection, see section 8.

Environmental Precautions

Do not discharge into drains, water courses or onto the ground. The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.

Spill Clean Up Methods

For waste disposal, see section 13. Wear necessary protective equipment. Small quantities may be flushed to drains with plenty of water. Absorb in vermiculite, dry sand or earth and place into containers. Wash contaminated area with water. Prevent discharge of larger quantity to drain.

Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

7. HANDLING AND STORAGE

Handling

Provide good ventilation. Avoid spilling, skin and eye contact. Do not eat, drink or smoke when using the product. Read and follow manufacturer's recommendations.

Storage

Store in closed original container in a dry place. Store above freezing. Store under well-ventilated conditions at a temperature below 25°C.

Storage Class

Chemical storage.

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective Equipment



Engineering Measures

Provide adequate ventilation. Must not be handled in confined space without sufficient ventilation.

Respiratory Equipment

Respiratory protection not required.

Hand Protection

Use protective gloves.

Eye Protection

Use eye protection.

Other Protection

Wear suitable protective clothing as protection against splashing or contamination.

9. PHYSICAL AND CHEMICAL PROPERTIES

Hypam Fixer

Appearance	Liquid
Color	Yellow. Green.
Odor	Slightly pungent odor.
Solubility	Soluble in water. 100%
Initial boiling point and boiling range	>100 760 mm Hg
Melting point (°C)	<0
Relative density	1.34 20
Vapor pressure	- Not Known
Evaporation rate	1 H ₂ O (water)=1
pH-Value, Conc. Solution	5.1
Not applicable.	

10. STABILITY AND REACTIVITY

Reactivity

No specific reactivity hazards associated with this product.

Stability

Stable under the prescribed storage conditions. No particular stability concerns.

Hazardous Polymerisation

Will not polymerise.

Conditions To Avoid

Avoid excessive heat for prolonged periods of time. Avoid contact with acids and alkalis.

Materials To Avoid

Strong acids. Strong alkalis. Avoid contact with other photographic solutions and/or cleaning compounds.

Hazardous Decomposition Products

When heated, toxic and corrosive vapors/gases may be formed. Irritating gases/vapors/fumes of: Ammonia or amines. Sulfur dioxide.

11. TOXICOLOGICAL INFORMATION

Toxicological information

This chemical formulation has not been tested for health effects. Exposure effects listed are based on existing health data for the individual components that comprise the mixture.

Toxicological Information on Ingredients:

Toxic Dose 1 - LD 50
>2000 mg/kg (oral rat)

ACETIC ACID ...% (CAS: 64-19-7)

Toxic Dose 1 - LD 50
1540 mg/kg (oral rat)

SODIUM METABISULPHITE (CAS: 7681-57-4)

Toxic Dose 1 - LD 50
2890 mg/kg (oral rat)

Ammonium Thiosulphate (CAS: 7783-18-8)

Toxic Dose 1 - LD 50
>3000 mg/kg (oral rat)

Boric Acid (CAS: 10043-35-3)

12. ECOLOGICAL INFORMATION

Ecotoxicity

Not regarded as dangerous for the environment.

Degradability

No data available.

Bioaccumulative potential

No data available on bioaccumulation.

Mobility:

The product is soluble in water.

Hypam Fixer

Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB Substances.

Other adverse effects

The product may contribute to an excessive enrichment of the aquatic environment with nutrients.

Ecological Information on Ingredients:

ACETIC ACID ...% (CAS: 64-19-7)

LC 50, 96 Hrs, Fish mg/l

>100

SODIUM METABISULPHITE (CAS: 7681-57-4)

LC 50, 96 Hrs, Fish mg/l

>150

EC 50, 48 Hrs, Daphnia, mg/l

89

IC 50, 72 Hrs, Algae, mg/l

48

Boric Acid (CAS: 10043-35-3)

LC 50, 96 Hrs, Fish mg/l

600

EC 50, 48 Hrs, Daphnia, mg/l

115-153

13. DISPOSAL CONSIDERATIONS

Waste Management

The disposal process for this product when it becomes waste, depends largely upon how much (volume) waste is generated, where the waste is generated (location) and by whom (whether in a professional or amateur or other capacity). Therefore only outline guidance can be provided. For detailed guidance and advice on the disposal of this product when it becomes waste, please visit the COPPICE web site at <http://www.pic.uk.net/coppice/index.htm>. The information is relevant to both professional and amateur users.

Disposal Methods

Used, diluted, and spent solutions may be allowed to be discharged to sanitary sewer by permit IF allowed by local regulations. Consult your local authority for advice. Waste may have to be pre-treated before discharge. Consult local authorities before discharging any waste to sewer. Do not discharge to septic system. Waste that cannot be discharged to sewer may have to be handled by a licensed hazardous waste contractor.

14. TRANSPORT INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, DOT).

Transport Labels

No transport warning sign required.

Environmentally Hazardous Substance/Marine Pollutant

No.

Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC Code Notes

Not applicable.

15. REGULATORY INFORMATION

Regulatory Status (US)

TSCA: The ingredients of this product are on the TSCA Inventory.

US Federal Regulations

US State Regulations

State Regulations Comments

No information available.

Hypam Fixer

International Inventories

Canada – DSL/NDSL

The following ingredients are listed.

ACETIC ACID 1.4475%

16. OTHER INFORMATION

General Information

HARMAN technology Ltd believe the information and recommendations contained herein are based on correct and factual data. However, no express or implied guarantee or warranty of any kind is made with respect to this information. Use this information only to supplement other information you have gathered and then make an independent determination about the completeness and suitability of all information to ensure the proper use and disposal of this product and the health and safety of employees and customers.

Information Sources

European Photographic Chemical Industry Code of Practice For Classification And Labelling Material Safety Data Sheet, Misc. manufacturers. Dangerous Properties of Industrial Chemicals, 6.edition, N.Sax, 1984.

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