

ILFORD PHOTO

HARMAN technology Ltd

SAFETY DATA SHEET

HARMAN Toner Selenium

1. IDENTIFICATION

Product Name	HARMAN Toner Selenium
Product No.	1143207
Internal Id	10477
Container Size	1 Liter
Identified uses	Toning solution for monochrome prints
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	USA: ilfordhelp@wynit.com; Canada: phil.nielsen@amplis.com
Emergency Telephone	USA/Canada: For medical emergency, call 1 800 842 9660 (Product Misuse).

2. HAZARD(S) IDENTIFICATION

Appearance	Clear liquid.
Color	Colourless.
Odor	Ammonia.
GHS Pictogram	



Signal Word	Warning	
Hazard Statements	H302 H317	Harmful if swallowed. May cause an allergic skin reaction.
Precautionary Statements	P101 P280 P302+352 P330 P301+310 P405 P501	If medical advice is needed, have product container or label at hand. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN: Wash with plenty of soap and water. Rinse mouth. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Store locked up. Dispose of contents/container in accordance with local regulations.
Contains	SODIUM SELENITE	
GHS Classification	Physical and Chemical Hazards	Not classified.
	Human health	Acute Tox. 4 - H302; Skin Sens. 1 - H317
	Environment	Not classified.

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WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM - WHMIS

WHMIS Label



Materials Causing Immediate and Serious Toxic Effect.

Controlled Product Classification

Canadian WHMIS Classification D1B

Inhalation

May cause irritation to the respiratory system.

Ingestion

Toxic if swallowed.

Skin Contact

Harmful in contact with skin. May cause skin irritation/eczema. May cause sensitization by skin contact.

Eye Contact

Ammonia. Irritating to eyes. May cause severe irritation to eyes.

3. COMPOSITION/INFORMATION ON INGREDIENTS

SODIUM SELENITE	1-5%
CAS No.: 10102-18-8	EC No.: 233-267-9
GHS Classification Acute Tox. 2 - H300; Acute Tox. 3 - H331; Skin Sens. 1 - H317; Aquatic Chronic 2 - H411	

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 skin thoroughly 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

May cause skin sensitisation.

Eye Contact

May cause severe irritation to eyes.

Indication of any immediate medical attention and special treatment needed

Notes To The Physician

No specific first aid measures noted.

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5. FIRE-FIGHTING MEASURES

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.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear liquid.
Color	Colourless.
Odor	Ammonia.
Solubility	100% Soluble in water.
Initial boiling point and boiling range	>100
Relative density	1.29 @20°C
pH-Value, Diluted Solution	8.6-8.8 1+4

10. STABILITY AND REACTIVITY

Reactivity

Generates toxic gas in contact with acid.

Stability

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

Hazardous Polymerisation

Will not polymerise.

Conditions To Avoid

Avoid contact with acids and alkalis. Avoid mixing with: Strong alkalis. Generates toxic gas in contact with acid.

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. Ammonia. Sulfurous gases (SO_x). Selenium

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:

SODIUM SELENITE (CAS: 10102-18-8)

Toxic Dose 1 - LD 50

7 mg/kg (oral rat)

12. ECOLOGICAL INFORMATION

Toxicity

The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.

Degradability

There are no data on the degradability of this product.

Bioaccumulative potential

No data available on bioaccumulation.

Mobility:

The product is soluble in water.

Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB Substances.

Other adverse effects

Not available.

Ecological Information on Ingredients:

SODIUM SELENITE (CAS: 10102-18-8)

LC 50, 96 Hrs, Fish mg/l

<10

13. DISPOSAL CONSIDERATIONS

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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. This Product is Hazardous under the OSHA Hazard Communication Standard.

Regulatory References

29 CFR 1910.1010 Federal Regulations (OSHA Standard).

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

All ingredients are listed.

SODIUM SELENITE; EPCRA 302 TPQ 10 000 lbs 100 lbs Tier II TPQ 100 lbs

CERCLA/Superfund, Hazardous Substances/Reportable Quantities (EPA)

The following ingredients are listed.

SODIUM SELENITE; 100 lbs (45.4 Kg)

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed.

SARA 313 Emission Reporting

The following ingredients are listed.

Ammonium Thiosulphate 27.69%

SODIUM SELENITE 1.54%

CAA Accidental Release Prevention

None of the ingredients are listed.

OSHA Highly Hazardous Chemicals

None of the ingredients are listed.

US State Regulations

State Regulations Comments

No information available.

California Proposition 65 Carcinogens and Reproductive Toxins

None of the ingredients are listed.

California Air Toxics "Hot Spots" (A-I)

None of the ingredients are listed.

California Air Toxics "Hot Spots" (A-II)

None of the ingredients are listed.

Massachusetts "Right To Know" List

The following ingredients are listed.

Ammonium Thiosulphate

SODIUM SELENITE

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Rhode Island "Right To Know" List

None of the ingredients are listed.

Minnesota "Right To Know" List

None of the ingredients are listed.

New Jersey "Right To Know" List

The following ingredients are listed.

SODIUM SELENITE

Pennsylvania "Right To Know" List

The following ingredients are listed.

Ammonium Thiosulphate

SODIUM SELENITE

International Inventories

Canada – DSL/NDSL

The following ingredients are listed.

Ammonium Thiosulphate

SODIUM SELENITE

US - TSCA

The following ingredients are listed.

Ammonium Thiosulphate

SODIUM SELENITE

US – TSCA 12(b) Export Notification

None of the ingredients are listed.

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.

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Revision Date

06/23/2015

Revision

6

Supersedes Date

09/10/2014