

**HARMAN Selenium Toner**

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758 and SI 2020/1577

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier**Product Name HARMAN Selenium Toner  
Product code 1143207**1.2 Relevant identified uses of the substance or mixture and uses advised against**Identified Use(s) Toning solution for monochrome prints  
Uses Advised Against Not known.**1.3 Details of the supplier of the safety data sheet**Manufacturer  
Company Identification HARMAN Technology Ltd  
Address of Manufacturer Ilford Way  
Mobberley  
Knutsford  
Cheshire East  
Postal code WA16 7JL  
Telephone: +44(0)1565 650000  
Fax +44(0)1565 872734  
E-mail web-admin@harmantechnology.com  
Office hoursSupplier  
Company Identification HARMAN Technology Ltd  
Address of Supplier Ilford Way  
Mobberley  
Knutsford  
Cheshire East  
Postal code WA16 7JL  
Telephone: +44(0)1565 650000  
Fax +44(0)1565 872734  
E-mail web-admin@harmantechnology.com  
Office hours**1.4 Emergency telephone number**National response centre  
Address NHS Direct  
Emergency Phone No. +44 111**SECTION 2: HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**GB CLP Regulation, UK SI 2019/720 and UK SI 2020/1567 Acute Tox. 4 :Harmful if swallowed.  
Skin Sens. 1 :May cause an allergic skin reaction.  
Aquatic Chronic 3 :Harmful to aquatic life with long lasting effects.**2.2 Label elements**According to GB CLP Regulations, UK SI 2019/720 and UK SI 2020/1567  
Product Name HARMAN Selenium Toner

Hazard Pictogram(s)



GHS07

Signal Word(s)

Warning

Hazard Statement(s)

H302: Harmful if swallowed.  
H317: May cause an allergic skin reaction.  
H412: Harmful to aquatic life with long lasting effects.

Precautionary Statement(s)

P101: If medical advice is needed, have product container or label at hand.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P310: IF SWALLOWED: Immediately call a POISON CENTRE/doctor.  
P302+P352: IF ON SKIN: Wash with plenty of water.  
P330: Rinse mouth.

**HARMAN Selenium Toner**

P405: Store locked up.

P501: Dispose of contents in accordance with local, state or national legislation.

**2.3 Other hazards**

None known.

**2.4 Additional Information**

For full text of H/P Statements see section 16.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

Not applicable.

**3.2 Mixtures**

| HAZARDOUS INGREDIENT(S) | CAS No.    | EC No. / Registration number(s) | %W/W   | Hazard Statement(s)  | Hazard Pictogram(s)     |
|-------------------------|------------|---------------------------------|--------|--|-------------------------|
| Ammonium Thiosulphate   | 7783-18-8  | 231-982-0                       | 10-30% | Not classified   | None                    |
| Sodium Sulphite         | 7757-83-7  | 231-821-4                       | 10-30% | Not classified   | None                    |
| sodium selenite         | 10102-18-8 | 233-267-9                       | 1-5%   | Acute Tox. 2 H300<br>Skin Irrit. 2 H315<br>Skin Sens. 1 H317<br>Eye Irrit. 2 H319<br>Acute Tox. 2 H330<br>Aquatic Acute 1 H400<br>Aquatic Chronic 1 H410 | GHS06<br>GHS07<br>GHS09 |

For full text of H/P Statements see section 16.

**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures**

Inhalation

Treat symptomatically.

Skin Contact

Take off immediately all contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. Specific treatment (see Medical Advice on this label).

Eye Contact

Treat symptomatically.

Ingestion

Rinse mouth. Immediately call a POISON CENTRE/doctor.

**4.2 Most important symptoms and effects, both acute and delayed**

Allergic contact dermatitis.

**4.3 Indication of any immediate medical attention and special treatment needed**

Specific treatment (see Medical Advice on this label). Treat symptomatically.

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media**

Suitable Extinguishing media

As appropriate for surrounding fire.

Unsuitable extinguishing media

None.

**5.2 Special hazards arising from the substance or mixture**

May decompose in a fire, giving off toxic and irritant vapours.

**5.3 Advice for firefighters**

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Dike fire control water for later disposal.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures**

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

**6.2 Environmental precautions**

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

**6.3 Methods and material for containment and cleaning up**

Adsorb spillages onto sand, earth or any suitable adsorbent material. Contain spillages with sand, earth or any suitable adsorbent material. Earth may be

**HARMAN Selenium Toner**

shovelled to contain spillage and to avoid contamination of sewers and watercourses.

**6.4 Reference to other sections**

See Also Section 8, 13.

**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

Avoid breathing dust/fume/gas/mist/vapours/spray. Wash hands and exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection.

**7.2 Conditions for safe storage, including any incompatibilities**

Storage temperature Ambient.  
Storage life Stable under normal conditions.  
Incompatible materials None known.

**7.3 Specific end use(s)**

Toning solution for monochrome prints

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1 Control parameters**

8.1.1 Occupational Exposure Limits No Occupational Exposure Limit assigned.

**8.2 Exposure controls**

8.2.1. Appropriate engineering controls Use with ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.

**8.2.2. Personal protection equipment**

Eye Protection

Wear eye protection with side protection (EN ISO 16321-1).



Skin protection

Wear protective clothing and gloves: Impervious gloves (EN 374). Breakthrough time of the glove material: refer to the information provided by the gloves' producer.



Respiratory protection

A suitable mask with filter type A (EN14387 or EN405) may be appropriate.



Thermal hazards

None known.

8.2.3. Environmental Exposure Controls Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Appearance Liquid.  
Colour : Not known.  
Odour Not known.  
Odour threshold Not known.  
pH Not known.  
Melting point/freezing point Not known.  
Initial boiling point and boiling range Not known.  
Flash Point Not known.  
Evaporation rate Not known.  
Flammability (solid, gas) Not known.  
Upper/lower flammability or explosive limits Not known.  
Vapour pressure Not known.  
Vapour density Not known.  
Density (g/ml) Not known.

**HARMAN Selenium Toner**

|  |  |
|--|--|
| Relative density                       | Not known.   |
| Solubility(ies)                        | Solubility (Water) : Not known.<br>Solubility (Other) : Not known. |
| Partition coefficient: n-octanol/water | Not known.   |
| Auto-ignition temperature              | Not known.   |
| Decomposition Temperature (°C)         | Not known.   |
| Viscosity                              | Not known.   |
| Explosive properties                   | Not known.   |
| Oxidising properties                   | Not known.   |
| <b>9.2 Other information</b>           | None.  |

**SECTION 10: STABILITY AND REACTIVITY**

|  |  |
|--|--|
| <b>10.1 Reactivity</b>                         | None anticipated.  |
| <b>10.2 Chemical Stability</b>                 | Stable under normal conditions.                                |
| <b>10.3 Possibility of hazardous reactions</b> | No hazardous reactions known if used for its intended purpose. |
| <b>10.4 Conditions to avoid</b>                | None anticipated.  |
| <b>10.5 Incompatible materials</b>             | Not known.   |
| <b>10.6 Hazardous decomposition products</b>   | No hazardous decomposition products known.                     |

**SECTION 11: TOXICOLOGICAL INFORMATION**

|  |   |
|--|---|
| <b>11.1 Information on toxicological effects</b> |   |
| Acute toxicity - Ingestion                       | Calculation method : Harmful if swallowed.<br>Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 324.99 |
| Acute toxicity - Skin Contact                    | Calculation method : Not classified.  |
| Acute toxicity - Inhalation                      | Calculation method : Not classified.<br>Calculation method : Calculated acute toxicity estimate (ATE) Calc ATE - 32.5         |
| Skin corrosion/irritation                        | Calculation method : Causes mild skin irritation.   |
| Serious eye damage/irritation                    | Calculation method : Not classified.  |
| Skin sensitization data                          | Calculation method : May cause an allergic skin reaction.   |
| Respiratory sensitization data                   | Calculation method : Not classified.  |
| Germ cell mutagenicity                           | Calculation method : Not classified.  |
| Carcinogenicity                                  | Calculation method : Not classified.  |
| Reproductive toxicity                            | Calculation method : Not classified.  |
| Lactation  | Calculation method : Not classified.  |
| STOT - single exposure                           | Calculation method : Not classified.  |
| STOT - repeated exposure                         | Calculation method : Not classified.  |
| Aspiration hazard                                | Calculation method : Not classified.  |
| <b>11.2 Other information</b>                    | Not known.  |

**SECTION 12: ECOLOGICAL INFORMATION**

|  |   |
|--|---|
| <b>12.1 Toxicity</b>                           | Harmful to aquatic life. Harmful to aquatic life with long lasting effects. |
| Toxicity - Aquatic invertebrates               | Not known.  |
| Toxicity - Fish                                | Not known.  |
| Toxicity - Algae                               | Not known.  |
| Toxicity - Sediment Compartment                | Not classified.   |
| Toxicity - Terrestrial Compartment             | Not classified.   |
| <b>12.2 Persistence and degradability</b>      | Not known.  |
| <b>12.3 Bioaccumulative potential</b>          | Not known.  |
| <b>12.4 Mobility in soil</b>                   | Not known.  |
| <b>12.5 Results of PBT and vPvB assessment</b> | Not known.  |
| <b>12.6 Other adverse effects</b>              |   |

**HARMAN Selenium Toner**

None known.

**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 Waste treatment methods**

Dispose of contents in accordance with local, state or national legislation. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point. Dispose at suitable refuse site.

**13.2 Additional Information**

Disposal should be in accordance with local, state or national legislation.

**SECTION 14: TRANSPORT INFORMATION**

**Not classified as hazardous for transport.**

**14.1 UN number**

Not applicable

**14.2 UN proper shipping name**

Not applicable

**14.3 Transport hazard class(es)**

Not applicable

**14.4 Packing group**

Not applicable

**14.5 Environmental hazards**

Not classified as a Marine Pollutant.

**14.6 Special precautions for user**

Not known

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not known

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

United Kingdom Regulations - Authorisations and/or Restrictions On Use

UK REACH Candidate List of Substances Not listed  
of Very High Concern for Authorisation

UK REACH Authorisation List (Annex  
XIV) list of substances subject to  
authorisation

UK REACH Restrictions List (Annex XVII) sodium selenite (10102-18-8)

Restrictions on the manufacture, placing  
on the market and use of certain  
dangerous substances, mixtures and  
articles

UK REACH Rolling Action Plan (RAP) Not listed

The Persistent Organic Pollutants  
Regulations 2007 (SI 2007/3106) as  
amended

The Ozone-Depleting Substances and  
Fluorinated Greenhouse Gases

(Amendment etc.) (EU Exit) Regulations  
2019 (SI 2019/583)

The Prior Informed Consent (PIC) Not listed

Regulations concerning the export and  
import of hazardous chemicals  
SI2008/2108 as amended

European Regulations - Authorisations and/or Restrictions On Use

Community Rolling Action Plan (CoRAP) Not listed

**15.2 Chemical Safety Assessment**

United Kingdom

A REACH chemical safety assessment has not been carried out.

**SECTION 16: OTHER INFORMATION**

The following sections contain revisions or new statements:

**LEGEND**

**HARMAN Selenium Toner**

Hazard Pictogram(s)



GHS07

GHS06: GHS: Skull and crossbones

GHS09: GHS: Environment

Hazard classification

Acute Tox. 2 : Acute toxicity, Category 2  
 Acute Tox. 4 : Acute toxicity, Category 4  
 Skin Irrit. 2 : Skin corrosion/irritation, Category 2  
 Skin Sens. 1 : Skin sensitization, Category 1  
 Eye Irrit. 2 : Serious eye damage/irritation, Category 2  
 Acute Tox. 2 : Acute toxicity, Category 2  
 Aquatic Acute 1 : Hazardous to the aquatic environment, Acute, Category 1  
 Aquatic Chronic 1 : Hazardous to the aquatic environment, Chronic, Category 1  
 Aquatic Chronic 3 : Hazardous to the aquatic environment, Chronic, Category 3

Hazard Statement(s)

H300: Fatal if swallowed.  
 H302: Harmful if swallowed.  
 H315: Causes skin irritation.  
 H317: May cause an allergic skin reaction.  
 H319: Causes serious eye irritation.  
 H330: Fatal if inhaled.  
 H400: Very toxic to aquatic life.  
 H410: Very toxic to aquatic life with long lasting effects.  
 H412: Harmful to aquatic life with long lasting effects.

Precautionary Statement(s)

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P264: Wash hands and exposed skin thoroughly after handling.  
 P270: Do not eat, drink or smoke when using this product.  
 P272: Contaminated work clothing should not be allowed out of the workplace.  
 P273: Avoid release to the environment.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.  
 P301+P312: IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.  
 P302+P352: IF ON SKIN: Wash with plenty of water.  
 P321: Specific treatment (see Medical Advice on this label).  
 P330: Rinse mouth.  
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
 P362+P364: Take off contaminated clothing and wash it before reuse.  
 P501: Dispose of contents in accordance with local, state or national legislation.

Acronyms

ATE : Acute Toxicity Estimate  
 CAS : Chemical Abstracts Service  
 DNEL : Derived No Effect Level  
 EC : European Community  
 EINECS : European Inventory of Existing Commercial Chemical Substances  
 LTEL : Long term exposure limit  
 PBT : Persistent, Bioaccumulative and Toxic  
 PNEC : Predicted No Effect Concentration  
 REACH : Registration, Evaluation, Authorisation and Restriction of Chemicals  
 STEL : Short term exposure limit  
 STOT : Specific Target Organ Toxicity  
 vPvB : very Persistent and very Bioaccumulative

Key literature references and sources for data used to compile the SDS GB CLP Regulation, UK SI 2019/720 and UK SI 2020/1567

Training Advice  
 Disclaimers

Regular safety training as appropriate  
 Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. HARMAN Technology Ltd gives no warranty as to the fitness of the product for any particular purpose and

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