

# ILFORD PHOTO

## HARMAN technology Ltd

### SAFETY DATA SHEET Perceptol Developer (Part A)

#### 1. IDENTIFICATION

<b>Product Name</b>	Perceptol Developer (Part A)
<b>Product No.</b>	1960529
<b>Internal Id</b>	10024
<b>Container Size</b>	7g
<b>Identification No.</b>	3077
<b>Identified uses</b>	Photographic Developer
<b>Supplier</b>	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
<b>Contact Person</b>	USA: ilfordhelp@wynit.com; Canada: phil.nielsen@amplis.com
<b>Emergency Telephone</b>	USA/Canada: For medical emergency, call 1 800 842 9660 (Product Misuse).

#### 2. HAZARD(S) IDENTIFICATION

<b>Appearance</b>	Powder, dust
<b>Color</b>	Cream. Brown.
<b>Odor</b>	No characteristic odor.
<b>GHS Pictogram</b>	



<b>Signal Word</b>	Warning	
<b>Hazard Statements</b>	H302 H317 H373 H410	Harmful if swallowed. May cause an allergic skin reaction. May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.
<b>Precautionary Statements</b>	P101 P273 P280 P301+312 P302+352 P405 P501	If medical advice is needed, have product container or label at hand. Avoid release to the environment. Wear protective clothing, gloves, eye and face protection. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. Store locked up. Dispose of contents/container in accordance with local regulations.
<b>Contains</b>	bis(4-HYDROXY-N-METHYLANILINIUM) SULPHATE	
<b>GHS Classification</b>	Physical and Chemical Hazards Not classified.	

# Perceptol Developer (Part A)

Human health  
Environment

Acute Tox. 4 - H302; Skin Sens. 1 - H317; STOT RE 2 - H373  
Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410

## WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM - WHMIS

### WHMIS Label



Materials Causing Immediate  
and Serious Toxic Effect.

### Controlled Product Classification

This Product has been classified according to the hazard criteria of the Controlled Products Regulations and the MSDS contains all required information.

#### Inhalation

Dust may irritate respiratory system or lungs.

#### Ingestion

May cause discomfort if swallowed. Harmful: danger of serious damage to health by prolonged exposure if swallowed.

#### Skin Contact

Powder may irritate skin. May cause sensitization by skin contact. May cause allergic contact eczema.

#### Eye Contact

Irritation of eyes and mucous membranes. Repeated exposure may cause chronic eye irritation.

#### Health Warnings

Dust may irritate respiratory system or lungs. May cause allergy. May cause hypersensitivity. Prolonged or repeated exposure may cause severe irritation. May cause skin irritation/eczema. May cause sensitization by skin contact.

#### Route Of Entry

Inhalation. Ingestion. Skin and/or eye contact.

#### Medical Considerations

May aggravate existing: Skin disorders and allergies. Pre-existing eye problems.

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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bis(4-HYDROXY-N-METHYLANILINIUM) SULPHATE		70-90%
CAS No.: 55-55-0	EC No.: 200-237-1	
GHS Classification Acute Tox. 4 - H302; Skin Sens. 1 - H317; STOT RE 2 - H373; Aquatic Acute 1 - H400; Aquatic Chronic 1 - H410		

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## 4. FIRST-AID MEASURES

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### 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.

# Perceptol Developer (Part A)

## Ingestion

No specific symptoms noted.

## Skin Contact

May cause skin sensitisation.

## Eye Contact

Irritation of eyes and mucous membranes.

## 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

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### Extinguishing Media

Use fire-extinguishing media appropriate for surrounding materials.

### Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

### Specific Hazards

In case of fire, toxic gases may be formed (COx, NOx).

### 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.

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## 6. ACCIDENTAL RELEASE MEASURES

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### Personal Precautions

Wear protective clothing as described in Section 8 of this material safety data sheet. Avoid contact with skin and eyes. Provide adequate ventilation.

### 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. Small quantities may be flushed to drains with plenty of water. Prevent discharge of larger quantity to drain. Remove spillage with vacuum cleaner. If not possible, collect spillage with shovel, broom or the like. Wash contaminated area with water. Do not let washing down water contaminate ponds or waterways.

### Reference to other sections

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

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## 7. HANDLING AND STORAGE

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### 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 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.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Protective Equipment



## Perceptol Developer (Part A)

### Engineering Measures

Provide adequate general and local exhaust ventilation.

### Respiratory Equipment

Wear suitable respiratory protection.

### Hand Protection

Use protective gloves.

### Eye Protection

Use eye protection.

### Other Protection

Wear appropriate clothing to prevent reasonably probable skin contact.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	Powder, dust
<b>Color</b>	Cream. Brown.
<b>Odor</b>	No characteristic odor.
<b>Solubility</b>	Soluble in water. 100%
<b>pH-Value, Conc. Solution</b>	4

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## 10. STABILITY AND REACTIVITY

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### 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.

### Materials To Avoid

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

### Hazardous Decomposition Products

Fire or high temperatures create: Vapors/gases/fumes of: Oxides of: Carbon. Nitrogen.

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## 11. TOXICOLOGICAL INFORMATION

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### 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:

bis(4-HYDROXY-N-METHYLANILINIUM) SULPHATE (CAS: 55-55-0)

#### **Toxic Dose 1 - LD 50**

237 mg/kg (oral rat)

#### **Toxic Dose 2 - LD 50**

>1000 mg/kg (skn-rat)

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## 12. ECOLOGICAL INFORMATION

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### Toxicity

Dangerous for the environment: 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.

# Perceptol Developer (Part A)

## Other adverse effects

None known.

### Ecological Information on Ingredients:

#### bis(4-HYDROXY-N-METHYLANILINIUM) SULPHATE (CAS: 55-55-0)

LC 50, 96 Hrs, Fish mg/l

0.25

EC 50, 48 Hrs, Daphnia, mg/l

0.02

IC 50, 72 Hrs, Algae, mg/l

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## 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.

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## 14. TRANSPORT INFORMATION

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<b>General</b>	Limited Quantity Exemption. No labeling or placarding required for land and air transport within the USA under 49CFR 171.4 or for land transport within Canada under SOR/2008-34.
<b>UN No. (DOT/TDG)</b>	3077
<b>UN No. (IMDG)</b>	3077
<b>UN No. (ICAO)</b>	3077
<b>DOT Proper Shipping Name</b>	UN3077, Environmentally hazardous substance, solid, n.o.s. (contains bis-(4-hydroxy-N-methylanilinium) sulphate)
<b>TDG Proper Shipping Name</b>	UN3077, Environmentally hazardous substance, solid, n.o.s. (contains bis-(4-hydroxy-N-methylanilinium) sulphate)
<b>IMDG Class</b>	9
<b>ICAO Class</b>	9
<b>Transport Labels</b>	



IMDG Pack Group III

Air Pack Group III

Environmentally Hazardous Substance/Marine Pollutant



EMS F-A, S-F

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

Not applicable.

## Perceptol Developer (Part A)

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### 15. REGULATORY INFORMATION

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#### Regulatory Status (US)

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

#### US Federal Regulations

##### **SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities**

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**

None of the ingredients are listed.

##### **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**

None of the ingredients are listed.

##### **Pennsylvania "Right To Know" List**

None of the ingredients are listed.

#### International Inventories

##### **Canada – DSL/NDSL**

The following ingredients are listed.

bis(4-HYDROXY-N-METHYLANILINIUM) SULPHATE

##### **US - TSCA**

The following ingredients are listed.

bis(4-HYDROXY-N-METHYLANILINIUM) SULPHATE

##### **US – TSCA 12(b) Export Notification**

None of the ingredients are listed.

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### 16. OTHER INFORMATION

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#### **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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**Revision Date** 06/23/2015

**Revision** 8

**Supersedes Date** 12/11/2014