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HARMAN technology Ltd

SAFETY DATA SHEET
ID-11 Developer (Part B)

According to WHMIS 2015, in compliance with the Hazardous Product Act (HPA, as amended) and the requirements of the Hazardous Product Regulations (HPR)

1. Identification

Product identifier

Product name ID-11 Developer (Part B)

Product number 1960457; 1960475

Internal identification 10010

Container size 110g; 550g

Recommended use of the chemical and restrictions on use

Restriction on use Photographic Developer

Details of the supplier of the safety data sheet

Supplier Distributor
Amplis Foto Inc, 22 Telson Road,
Markham, Ontario L3R 1E5
Tel: 905 477 4111
Fax: 905 477 2502

Contact person Contact Distributor: christine@amplis.com, http://www.amplis.com

Emergency telephone number

Emergency telephone Canada/USA: For medical emergency, call 1 800 842 9660 (Product Misuse).

2. Hazard identification

Classification of the substance or mixture

Physical hazards Not Classified

Health hazards Repr. 1B - H360FD

Environmental hazards Not Classified

Label elements

Hazard pictograms

Signal word Danger

Hazard statements H360FD May damage fertility. May damage the unborn child.

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Precautionary statements P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P308+P313 IF exposed or concerned: Get medical advice/ attention.
P405 Store locked up.
P501 Dispose of contents/ container in accordance with national regulations.

Contains Disodium Tetraborate decahydrate

Other hazards

No information available.

3. Composition/information on ingredients

Mixtures

Disodium Tetraborate decahydrate **1-5%**

CAS number: 1303-96-4

Classification
Eye Irrit. 2A - H319
Repr. 1B - H360FD

The full text for all hazard statements is displayed in Section 16.

4. First-aid measures

Description of first aid measures

Inhalation Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion Rinse mouth thoroughly with water. 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. Get medical attention if irritation persists after washing.

Eye contact Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

Most important symptoms and effects, both acute and delayed

Inhalation No specific symptoms known.

Ingestion No specific symptoms known.

Skin contact No specific symptoms known.

Eye contact May cause temporary eye irritation.

Indication of any immediate medical attention and special treatment needed

Notes for the doctor No specific recommendations.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media The product is non-combustible. Use fire-extinguishing media suitable for the surrounding fire.

Specific hazards arising from the hazardous product

Specific hazards No unusual fire or explosion hazards noted.

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Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Sulfurous gases (SOx).

Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapours.
Special protective equipment for firefighters	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, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin and eyes. Avoid inhalation of dust. Provide adequate ventilation.

Environmental precautions

Environmental precautions	Do not discharge into drains or watercourses or onto the ground.

Methods and material for containment and cleaning up

Methods for cleaning up	Wear protective clothing, gloves, eye and face protection. Remove spillage with vacuum cleaner or collect with a shovel and broom, or similar. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

Reference to other sections

Reference to other sections	For personal protection, see Section 8. For waste disposal, see section 13.

7. Handling and storage

Precautions for safe handling

Usage precautions	Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. Do not breathe dust. Provide adequate ventilation. Avoid spilling. Read and follow manufacturer's recommendations.

Conditions for safe storage, including any incompatibilities

Storage precautions	Store in tightly-closed, original container. Storage advice to ensure the product remains in a useable condition throughout its specified shelf life: Store at temperatures not exceeding 30°C.
Storage class	Chemical storage.

Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.

8. Exposure controls/Personal protection

Control parameters

Occupational exposure limits

Disodium Tetraborate decahydrate

Long-term exposure limit (8-hour TWA): ACGIH 2 mg/m³ inhalable fraction
Short-term exposure limit (15-minute): ACGIH 6 mg/m³ inhalable fraction
A4

ACGIH = American Conference of Governmental Industrial Hygienists.
A4 = Not Classifiable as a Human Carcinogen.

Exposure controls

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Protective equipment

Appropriate engineering controls	Provide adequate general and local exhaust ventilation.
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.
Hand protection	Use protective gloves.
Other skin and body protection	Wear appropriate clothing to prevent skin contamination.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Dusty powder.
Colour	White.
Odour	No characteristic odour.
pH	pH (concentrated solution): 10
Solubility(ies)	Soluble in water. 100%
Other information	Not available.

10. Stability and reactivity

Reactivity	The reactivity data for this product will be typical of those for the following class of materials: Inorganic salts. See the other subsections of this section for further details.
Stability	Stable under the prescribed storage conditions. No particular stability concerns.
Possibility of hazardous reactions	The following materials may react with the product: Strong acids. Under normal conditions of storage and use, no hazardous reactions will occur.
Conditions to avoid	No specific requirements are anticipated under normal conditions of use.
Materials to avoid	Strong acids. Avoid contact with other photographic solutions and/or cleaning compounds.
Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Sulfurous gases (SOx).

11. Toxicological information

Information on toxicological effects

Toxicological effects	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.

Reproductive toxicity

Reproductive toxicity - fertility	The product contains a substance that is classified as: May damage fertility. May damage the unborn child.

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Reproductive toxicity - development	The product contains a substance that is classified as: May damage fertility. May damage the unborn child.
Inhalation	Dust may irritate the respiratory system.
Ingestion	May cause discomfort if swallowed.
Skin contact	Powder may irritate skin.
Eye contact	Crystalline powder. May cause temporary eye irritation. Repeated exposure may cause chronic eye irritation.
Acute and chronic health hazards	Dust may irritate the respiratory system.
Route of exposure	Inhalation Ingestion. Skin and/or eye contact
Medical considerations	May aggravate existing: Skin disorders and allergies. Pre-existing eye problems.

12. Ecological information

Toxicity	The product is not expected to be hazardous to the environment.

Persistence and degradability

Persistence and degradability	The product contains only inorganic substances which are not biodegradable.

Bioaccumulative potential

Bioaccumulative potential	No data available on bioaccumulation.

Mobility in soil

Mobility	The product is soluble in water.

Other adverse effects

Other adverse effects	Not known.

13. Disposal considerations

Waste treatment methods

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 handled by a licensed hazardous waste contractor.

14. Transport information

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, TDG).

UN number

UN No. (International)	Not applicable.

UN proper shipping name

Proper shipping name (International)	Not applicable.

Transport hazard class(es)

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Transport Labels (International) No transport warning sign required.

Transport labels
No transport warning sign required.

DOT transport label

Packing group

Packing group (International) Not applicable.

Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

Special precautions for user

Not applicable.

DOT TIH Zone Not applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

Inventories

Canada – DSL/NDSL

Sodium Sulfite

Sodium Tripolyphosphate

Disodium Tetraborate decahydrate

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.

Key literature references and sources for data 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 2022-09-16

Revision 4

Supersedes date 2021-01-12

Hazard statements in full H319 Causes serious eye irritation.
H360FD May damage fertility. May damage the unborn child.

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