

ILFORD PHOTO

HARMAN technology Ltd

SAFETY DATA SHEET

Ifotol

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 Ifotol
Product number 1905162
Internal identification 10256
Container size 1 Litre

Recommended use of the chemical and restrictions on use

Restriction on use Processing Auxiliary Solution

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: phil.nielsen@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 Eye Irrit. 2A - H319
Environmental hazards Not Classified

Label elements

Pictogram



Signal word Warning

Hazard statements H319 Causes serious eye irritation.

Ifotol

| | |
|---------------------------------|---|
| Precautionary statements | <p>P101 If medical advice is needed, have product container or label at hand.</p> <p>P102 Keep out of reach of children.</p> <p>P280 Wear protective clothing, gloves, eye and face protection.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P501 Dispose of contents/ container in accordance with local regulations.</p> |
|---------------------------------|---|

Other hazards

No information available.

3. Composition/information on ingredients

Mixtures

| | |
|---|------------------|
| isotridecanol, branched, ethoxylated | < 2.5% |
| CAS number: 9043-30-5 | |

Classification

Acute Tox. 4 - H302
Eye Dam. 1 - H318

2-PHENOXYETHANOL

< 1.5%

CAS number: 122-99-6

Classification

Acute Tox. 4 - H302
Eye Irrit. 2 - H319

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

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 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 | May cause skin irritation. |
| Eye contact | This product is strongly irritating. |

Indication of any immediate medical attention and special treatment needed

| | |
|-----------------------------|------------------------------|
| Notes for the doctor | No specific recommendations. |
|-----------------------------|------------------------------|

5. Fire-fighting measures

Ifotol

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.

Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Oxides of carbon.

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 Take care as floors and other surfaces may become slippery. Avoid contact with eyes.

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 Small Spillages: Wear protective clothing, gloves, eye and face protection. Flush away spillage with plenty of water. Large Spillages: Absorb in vermiculite, dry sand or earth and place into containers. 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 Provide adequate ventilation. Avoid spilling. Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. 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 above 0°C. 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

Ingredient comments No exposure limits known for ingredient(s).

Exposure controls

Ifotol

Protective equipment



Appropriate engineering controls

Provide adequate 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 suitable protective clothing as protection against splashing or contamination.

Respiratory protection

Respiratory protection not required.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

| | |
|--|-------------------------------|
| Appearance | Clear liquid. |
| Colour | Colourless. |
| Odour | No characteristic odour. |
| pH | pH (concentrated solution): 7 |
| Initial boiling point and range | >100°C @ |
| Relative density | ~ 0.999 @ 20°C |
| Solubility(ies) | Soluble in water. |
| Other information | Not available. |

10. Stability and reactivity

| | |
|---|--|
| Reactivity | There are no known reactivity hazards associated with this product. |
| Stability | Stable under the prescribed storage conditions. No particular stability concerns. |
| Possibility of hazardous reactions | Under normal conditions of storage and use, no hazardous reactions will occur. |
| Conditions to avoid | Avoid excessive heat for prolonged periods of time. |
| Materials to avoid | No specific material or group of materials is likely to react with the product to produce a hazardous situation. |
| Hazardous decomposition products | Thermal decomposition or combustion products may include the following substances: Oxides of carbon. |

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. |
|------------------------------|--|

Ifotol

Acute toxicity - oral

ATE oral (mg/kg) 19,808.08

Inhalation No specific health hazards known.

Ingestion No harmful effects expected from quantities likely to be ingested by accident.

Skin contact May cause skin irritation.

Eye contact This product is strongly irritating.

Acute and chronic health hazards Because of the product's quantity and composition, the health hazard is regarded as low.

Route of entry Skin and/or eye contact Ingestion

12. Ecological Information

Toxicity The product is not expected to be toxic to aquatic organisms.

Persistence and degradability

Persistence and degradability The product is expected to be biodegradable.

Bioaccumulative potential

Bioaccumulative potential Bioaccumulation is unlikely.

Mobility in soil

Mobility The product is soluble in water.

Other adverse effects

Other adverse effects None 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 be 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)

Transport Labels (International) Not applicable.

Ifotol

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

isotridecanol, branched, ethoxylated

2-PHENOXYETHANOL

Water

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 |
| Issued by | HS&E Advisor Dr Trevor Rhodes Tel: +44(0)1565 650000, email: trevor.rhodes@harmantechnology.com |
| Revision date | 2017-08-25 |
| Revision | 2 |
| Supersedes date | 14/05/2015 |
| Hazard statements in full | H302 Harmful if swallowed. H318 Causes serious eye damage. H319 Causes serious eye irritation. |