

ILFORD PHOTO

HARMAN technology Ltd

SAFETY DATA SHEET

Ilfotec RT Rapid Starter

1. IDENTIFICATION

Product Name	Ilfotec RT Rapid Starter
Product No.	1807813
Internal Id	10031
Container Size	1 Liter
Identification No.	2790
Identified uses	Developer Starter Solution
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

No information available.

Appearance	Clear liquid.
Color	Colourless. Light (or pale). Straw.
Odor	Strong. Pungent. Acetic acid.
GHS Pictogram	



Signal Word	Warning	
Hazard Statements	H315 H319	Causes skin irritation. Causes serious eye irritation.
Precautionary Statements	P102 P280 P302+352 P305+351+338 P501	Keep out of reach of children. Wear protective gloves, eye and face protection. IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Dispose of contents/container in accordance with local regulations.
GHS Classification	Physical and Chemical Hazards Human health Environment	Not classified. Skin Irrit. 2 - H315; Eye Irrit. 2 - H319 Not classified.

Ifotec RT Rapid Starter

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM - WHMIS

WHMIS Label



Corrosive Material.

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. Canadian WHMIS Classification E

Inhalation

May cause irritation to the respiratory system.

Ingestion

May cause discomfort if swallowed.

Skin Contact

Irritating to skin.

Eye Contact

Irritating to eyes.

Health Warnings

Prolonged or repeated exposure may cause severe irritation.

Route Of Entry

Skin and/or eye contact. Ingestion.

Medical Symptoms

Skin contact may cause: Skin irritation. Eye contact may cause: Irritation of eyes and mucous membranes. May cause discomfort if swallowed.

Medical Considerations

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

ACETIC ACID ...%	10-30%
CAS No.: 64-19-7	EC No.: 200-580-7
GHS Classification Flam. Liq. 3 - H226; Skin Corr. 1A - H314	

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

Upper respiratory irritation.

Ilfotec RT Rapid Starter

Ingestion

No specific symptoms noted.

Skin Contact

Skin irritation.

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.

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. Fire creates: Irritating gases/vapors/fumes of: Acetic acid.

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

COMPONENT	STD	TWA (8-hrs)		STEL (15 min)		Notes
ACETIC ACID ...%	ACGIH	10 ppm		15 ppm		
ACETIC ACID ...%	PEL	10 ppm	25 mg/m3			

Ifotec RT Rapid Starter

COMPONENT	IDLH
ACETIC ACID ...%	50 ppm

ACGIH=American Conference of Governmental Industrial Hygienists.

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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear liquid.
Color	Colourless. Light (or pale). Straw.
Odor	Strong. Pungent. Acetic acid.
Solubility	100% Soluble in water.
Initial boiling point and boiling range	>100 760 mm Hg
Relative density	1.280 20
pH-Value, Conc. Solution	2

10. STABILITY AND REACTIVITY

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: Irritating gases/vapors/fumes of: Acetic acid.

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:

ACETIC ACID ...% (CAS: 64-19-7)

Toxic Dose 1 - LD 50

>2000 mg/kg (oral rat)

Ilfotec RT Rapid Starter

12. ECOLOGICAL INFORMATION

Toxicity

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

Degradability

No data available.

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 known.

Ecological Information on Ingredients:

ACETIC ACID ...% (CAS: 64-19-7)

LC 50, 96 Hrs, Fish mg/l
>100

13. DISPOSAL CONSIDERATIONS

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	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.
Air Transport Notes	Cargo aircraft only.
UN No. (DOT/TDG)	2790
UN No. (IMDG)	2790
UN No. (ICAO)	2790
DOT Proper Shipping Name	ACETIC ACID SOLUTION
TDG Proper Shipping Name	ACETIC ACID SOLUTION
IMDG Class	8
Transport Labels	



IMDG Pack Group	III
Air Pack Group	III
Environmentally Hazardous Substance/Marine Pollutant	No.

EMS 8-05

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.

US Federal Regulations

SARA Section 302 Extremely Hazardous Substances Tier II Threshold Planning Quantities

None of the ingredients are listed.

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

The following ingredients are listed.

ACETIC ACID 17.5896%; 5, 000 lbs (2270 Kg)

SARA Extremely Hazardous Substances EPCRA Reportable Quantities

None of the ingredients are listed.

SARA 313 Emission Reporting

None of the ingredients are listed.

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.

ACETIC ACID 17.5896%

Rhode Island "Right To Know" List

The following ingredients are listed.

ACETIC ACID 17.5896%

Minnesota "Right To Know" List

The following ingredients are listed.

ACETIC ACID 17.5896%

New Jersey "Right To Know" List

The following ingredients are listed.

ACETIC ACID 17.5896%

Pennsylvania "Right To Know" List

The following ingredients are listed.

ACETIC ACID 17.5896%

International Inventories

Canada – DSL/NDSL

The following ingredients are listed.

ACETIC ACID 17.5896%

Sodium Bromide

US - TSCA

The following ingredients are listed.

ACETIC ACID 17.5896%

Sodium Bromide

US – TSCA 12(b) Export Notification

None of the ingredients are listed.

Ilfotec RT Rapid Starter

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.

Issued By

HS&E Advisor Dr Trevor Rhodes Tel: +44(0)1565 650000, email:
trevor.rhodes@harmantechnology.com

Revision Date

06/23/2015

Revision

8

Supersedes Date

12/17/2014