

ILFORD PHOTO

HARMAN technology Ltd

SAFETY DATA SHEET

Ilfotec RT Rapid Starter

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name Ilfotec RT Rapid Starter
Product No. 1807813
Internal Id 10031
Container size 1 Litre

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Developer Starter Solution

1.3. Details of the supplier of the safety data sheet

Supplier Distributors
UK: HARMAN technology Ltd, Ilford Way,
Mobberley, Cheshire, WA16 7JL, UK Tel: 01565
650000, Fax: 01565 872734.
(<http://www.harmantechnology.com>)
Australia: CR Kennedy & Co Pty Ltd, 663 Chapel
Street, South Yarra, Victoria 3141, Australia. Tel:
03 9823 1555, Fax: 03 9827 7216
Contact Person UK: HS&E Advisor Dr Trevor Rhodes Tel: +44(0)1565 650000, email:
trevor.rhodes@harmantechnology.com Australia: Contact Distributor (<http://www.crkenedy.com.au>) Tel
+61 (0)3 9823 1555

1.4. Emergency telephone number

Swiss Toxicological Information Centre (24 hours) Tel: +41 (0)1 251 5151, Fax: +41 (0)1 252 8833 E-mail: stic@access.ch, Internet:
www.toxi.ch

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1999/45/EEC) Xi;R36/37/38.

2.2. Label elements

Labelling



Irritant

Risk Phrases

R36/37/38

Irritating to eyes, respiratory system and skin.

Safety Phrases

S2

Keep out of the reach of children.

S24/25

Avoid contact with skin and eyes.

S26

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Ilfotec RT Rapid Starter

S37

Wear suitable gloves.

2.3. Other hazards

No information available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

ACETIC ACID ...%		10-30%
CAS-No.: 64-19-7	EC No.: 200-580-7	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Flam. Liq. 3 - H226	R10	
Skin Corr. 1A - H314	C;R35	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition Comments

Hazardous according to the criteria of Worksafe Australia

SECTION 4: FIRST AID MEASURES

4.1. 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.

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

Inhalation

Upper respiratory irritation.

Ingestion

No specific symptoms noted.

Skin contact

Skin irritation.

Eye contact

Irritation of eyes and mucous membranes.

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

No specific first aid measures noted.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

The product is non-combustible. Use extinguishing media appropriate for surrounding fire.

5.2. Special hazards arising from the substance or mixture

Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

Ilfotec RT Rapid Starter

Specific hazards

The product is non-combustible. If heated, harmful vapours may be formed. Fire creates: Irritating gases/vapours/fumes of: Acetic acid.

5.3. Advice for firefighters

Special Fire Fighting Procedures

Avoid breathing fire vapours.

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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes. Provide adequate ventilation. For personal protection, see section 8.

6.2. 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.

6.3. Methods and material for containment and cleaning up

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.

6.4. Reference to other sections

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

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe 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.

7.2. Conditions for safe storage, including any incompatibilities

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.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Ingredient Comments

No exposure limits noted for ingredient(s).

8.2. Exposure controls

Protective equipment



Engineering measures

Provide adequate ventilation. Must not be handled in confined space without sufficient ventilation.

Ilfotec RT Rapid Starter

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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

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

9.2. Other information

Not available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards associated with this product.

10.2. Chemical stability

Stable under the prescribed storage conditions. No particular stability concerns.

10.3. Possibility of hazardous reactions

Hazardous Polymerisation

Will not polymerise.

10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials To Avoid

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

10.6. Hazardous decomposition products

Fire or high temperatures create: Irritating gases/vapours/fumes of: Acetic acid.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

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.

Inhalation

May cause irritation to the respiratory system.

Ilfotec RT Rapid Starter

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.

Toxicological information on ingredients.

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

Toxic Dose 1 - LD 50

>2000 mg/kg (oral rat)

Aspiration hazard:

Health Warnings

Exposure; This chemical has adequate warning properties. Gas or vapour is harmful on prolonged exposure or in high concentrations. This chemical may cause skin/eye irritation and burns (corrosive). Irritant of eyes and mucous membranes. Repeated exposure may cause chronic eye irritation. Contact with concentrated chemical may very rapidly cause severe eye damage, possibly loss of sight. Serious damage to the lining of nose, throat and lungs. Chronic inflammation of nose, throat and bronchial tubes. Acute eczematous dermatitis, contact type erythema, oedema, papules, vesicles, bullae, crusts, desquamation. Swallowing concentrated chemical may cause severe internal injury. Erosion of exposed front teeth. Keratosis (thickening of the horny layer of the skin).

Route of entry

Inhalation. Ingestion. Skin and/or eye contact.

Target Organs

Eyes Respiratory system, lungs Skin Teeth Mucous membranes

Medical Symptoms

Extreme irritation of eyes and mucous membranes, including burning and tearing. Irritation, burning, lachrymation, blurred vision after liquid splash. Irritation of nose due to vapour or dust contact. Rhinitis (inflammation of the nasal mucous membranes). Upper respiratory irritation. General respiratory distress, unproductive cough. Delayed, often serious breathing problems. May cause suffocation. Severe skin irritation. Nausea, vomiting. Diarrhoea. Dizziness.

Chronic respiratory and obstructive airway diseases. Skin disorders and allergies. Pre-existing eye problems.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

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

Ecological information on ingredients.

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

LC 50, 96 Hrs, Fish mg/l

>100

12.2. Persistence and degradability

Degradability

No data available.

Ilfotec RT Rapid Starter

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility:

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects

Not known.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

The disposal process for this product when it becomes waste, depends largely upon how much (volume) waste is generated, where the waste is generated (location) and by whom (whether in a professional or amateur or other capacity). Therefore only outline guidance can be provided. For detailed guidance and specialist advice on the disposal of this product when it becomes waste, please visit the COPPICE web site at <http://www.pic.uk.net/coppice/index.htm>. The information is relevant to both professional and amateur users.

13.1. Waste treatment 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.

SECTION 14: TRANSPORT INFORMATION

General LIMITED QUANTITY EXEMPTION

Air Transport Notes Cargo aircraft only.

14.1. UN number

UN No. (ADR/RID/ADN) 2790

UN No. (IMDG) 2790

UN No. (ICAO) 2790

14.2. UN proper shipping name

Proper Shipping Name ACETIC ACID SOLUTION

14.3. Transport hazard class(es)

ADR/RID/ADN Class 8

ADR/RID/ADN Class Class 8: Corrosive substances.

IMDG Class 8

Transport Labels



14.4. Packing group

Ilfotec RT Rapid Starter

ADR/RID/ADN Packing group	III
IMDG Packing group	III
ICAO Packing group	III

14.5. Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6. Special precautions for user

EMS	8-05
Hazard No. (ADR)	80 Corrosive or slightly corrosive substance.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Approved Code Of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply. Worksafe Australia NOHSC 2012: Labelling of workplace substances. Australian Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP). Australian Approved Criteria for Classifying Hazardous Substances (NOHSC 1008). Australian List of Designated Hazardous Substances (NOHSC 10005). Australian National Code of Practice for the Preparation of Material safety Data Sheets (NOHSC 2011)

Guidance Notes

CHIP for everyone HSG(108).

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. EU COMMISSION REGULATION (EU) No 453/2010 of 20 May 2010.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 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.

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Risk Phrases In Full

R35	Causes severe burns.
R10	Flammable.
R36/37/38	Irritating to eyes, respiratory system and skin.

Ilfotec RT Rapid Starter

Hazard Statements In Full

H319	Causes serious eye irritation.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.