ILFORD PHOTO

HARMAN technology Ltd

SAFETY DATA SHEET

Ilfosol 3 Film Developer

According to Regulation (EC) No 1907/2006, Annex II, as amended.

SECTION 1: Identification of t	he substance/mixture and of the company/undertaking		
1.1. Product identifier			
Product name	Ilfosol 3 Film Developer		
Product number	1131778		
Internal identification	10255		
Container size	500ml		
1.2. Relevant identified uses of	of the substance or mixture and uses advised against		
Identified uses	Photographic Developer 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.crkennedy.com.au) Tel +61 (0)3 9823 1555		
1.4. Emergency telephone nu	mber		
Emergency telephone	Australia: 1-800-557346 UK and elsewhere: +44(0) 207 858 1228		
SECTION 2: Hazards identification			
2.1. Classification of the subs	tance or mixture		
Classification (EC 1272/2008)	-		
Physical hazards	Not Classified		
Health hazards	Not Classified		
Environmental hazards	Not Classified		
2.2. Label elements			
Hazard statements	EUH208 Contains HYDROQUINONE, 1-Phenyl-4-methyl-4-hydroxymethyl-3-pyrazolidone. May produce an allergic reaction.		
Precautionary statements	P102 Keep out of reach of children.		
Supplemental label information	EUH210 Safety data sheet available on request.		

2.3. Other hazards

No information available.

3.2. Mixtures			
SODIUM CARBONATE			1-59
CAS number: 497-19-8	EC number: 207-838-8	REACH registration number: 01- 2119485498-19-XXXX	
Classification Eye Irrit. 2 - H319	Classif i Xi;R36	ication (67/548/EEC or 1999/45/EC)	
HYDROQUINONE			<19
CAS number: 123-31-9	EC number: 204-617-8	REACH registration number: 01- 2119524016-51-XXXX	
M factor (Acute) = 10			
Classification	Classifi	ication (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H302	Carc. C	Cat. 3;R40 Muta. Cat. 3;R68 Xn;R22 R43 Xi;R41	
Eye Dam. 1 - H318	N;R50		
Skin Sens. 1 - H317			
Muta. 2 - H341			
Carc. 2 - H351			
Aquatic Acute 1 - H400			
1-Phenyl-4-methyl-4-hydroxyn	nethyl-3-pyrazolidone		<19
CAS number: 13047-13-7	EC number: 235-920-3		
Classification	Classif	ication (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H302		2. N;R51/53. R43.	
Skin Sens. 1 - H317			
Aquatic Chronic 2 - H411			
he Full Text for all R-Phrases	and Hazard Statements are Displayed i	in Section 16.	
ECTION 4: First aid measures	3		
.1. Description of first aid mea	SILLOS		
. I. Description of first ald mea	<u>50105</u>		

person to fresh air at once. Get medical attention if any discomfort continues. Ingestion Remove affected person from source of contamination. Rinse mouth thoroughly with water.

-	Do not induce vomiting.
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. Get medical attention if irritation persists after washing.

4.2. 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. May cause skin sensitisation or allergic reactions in sensitive individuals.		
Eye contact	May cause temporary eye irritation.		
4.3. Indication of any immedia	te medical attention and special treatment needed		
Notes for the doctor	No specific recommendations.		
SECTION 5: Firefighting meas	sures		
5.1. Extinguishing media			
Suitable extinguishing media	The product is non-combustible. Use extinguishing media appropriate for surrounding fire.		
5.2. Special hazards arising from	om the substance or mixture		
Specific hazards	The product is non-combustible. No unusual fire or explosion hazards noted.		
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Oxides of: Carbon. Sulphur. Nitrogen. Sodium.		
5.3. 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.		
SECTION 6: Accidental release measures			
SECTION 6. Accidental releas	e measures		
	tective equipment and emergency procedures		
6.1. Personal precautions, pro	tective equipment and emergency procedures Avoid contact with skin and eyes. Provide adequate ventilation. For personal protection, see Section 8.		
6.1. Personal precautions, pro Personal precautions	tective equipment and emergency procedures Avoid contact with skin and eyes. Provide adequate ventilation. For personal protection, see Section 8.		
6.1. Personal precautions, pro Personal precautions 6.2. Environmental precaution	 tective equipment and emergency procedures Avoid contact with skin and eyes. Provide adequate ventilation. For personal protection, see Section 8. <u>s</u> Do not discharge into drains or watercourses or onto the ground. Collect and dispose of spillage as indicated in Section 13. 		
6.1. Personal precautions, pro Personal precautions 6.2. Environmental precaution Environmental precautions	 tective equipment and emergency procedures Avoid contact with skin and eyes. Provide adequate ventilation. For personal protection, see Section 8. <u>s</u> Do not discharge into drains or watercourses or onto the ground. Collect and dispose of spillage as indicated in Section 13. 		
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 6.1. Personal precautions, propersonal precautions 6.2. Environmental precaution Environmental precautions 6.3. Methods and material for Methods for cleaning up 	 tective equipment and emergency procedures Avoid contact with skin and eyes. Provide adequate ventilation. For personal protection, see Section 8. S Do not discharge into drains or watercourses or onto the ground. Collect and dispose of spillage as indicated in Section 13. containment and cleaning up Wear protective clothing, gloves, eye and face protection. Small Spillages: 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. 		
6.1. Personal precautions, properties Personal precautions 6.2. Environmental precaution Environmental precautions 6.3. Methods and material for Methods for cleaning up 6.4. Reference to other section	 tective equipment and emergency procedures Avoid contact with skin and eyes. Provide adequate ventilation. For personal protection, see Section 8. Do not discharge into drains or watercourses or onto the ground. Collect and dispose of spillage as indicated in Section 13. containment and cleaning up Wear protective clothing, gloves, eye and face protection. Small Spillages: 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. ns For personal protection, see Section 8. For waste disposal, see Section 13. 		
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6.1. Personal precautions, pro Personal precautions 6.2. Environmental precaution Environmental precautions 6.3. Methods and material for Methods for cleaning up 6.4. Reference to other section Reference to other sections SECTION 7: Handling and stop	tective equipment and emergency procedures Avoid contact with skin and eyes. Provide adequate ventilation. For personal protection, see Section 8. Section 8. Do not discharge into drains or watercourses or onto the ground. Collect and dispose of spillage as indicated in Section 13. containment and cleaning up Wear protective clothing, gloves, eye and face protection. Small Spillages: 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. IS For personal protection, see Section 8. For waste disposal, see Section 13.		

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.		
7.3. Specific end use(s)			
Specific end use(s)	The identified uses for this product are detailed in Section 1.2.		
SECTION 8: Exposure Controls	s/personal protection		
8.1. Control parameters			
Occupational exposure limits			
HYDROQUINONE			
Long-term exposure limit (8-ho WEL = Workplace Exposure Lin			
	SODIUM CARBONATE (CAS: 497-19-8)		
DNEL	Workers - Inhalation; Long term local effects: 10 mg/m ³		
	Consumer - Inhalation; Short term local effects: 10 mg/m ³		
	HYDROQUINONE (CAS: 123-31-9)		
DNEL	Industry/Professional - Dermal; Long term systemic effects: 128 mg/kg/day Industry/Professional - Inhalation; Long term systemic effects: 7 mg/m ³ Industry/Professional - Inhalation; Long term local effects: 1 mg/m ³ General population - Dermal; Long term systemic effects: 64 mg/kg/day General population - Inhalation; Long term systemic effects: 1.74 mg/m ³ General population - Inhalation; Long term local effects: 0.5 mg/m ³		
PNEC	- Water; 0.000114 mg/l - Marine water; 0.0000114 mg/l - Sediment (Freshwater); 0.00098 mg/kg - Sediment (Marinewater); 0.000097 mg/kg - Intermittent release; 0.00134 mg/l - Soil; 0.000129 mg/kg - STP; 0.71 mg/l		
8.2. Exposure controls			
Protective equipment			
Appropriate engineering controls	Provide adequate ventilation. This product must not be handled in a confined space without 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	If ventilation is inadequate, suitable respiratory protection must be worn.		

SECTION 9: Physical and Chemical Properties				
9.1. Information on basic phys	9.1. Information on basic physical and chemical properties			
Appearance	Coloured liquid.			
Colour	Light (or pale). Yellow. Orange. Brown.			
Odour	No characteristic odour.			
рН	pH (concentrated solution): 9.8			
Initial boiling point and range	>100°C @ 760 mm Hg			
Relative density	1.07 @ 20°C			
Solubility(ies)	100% Soluble in water.			
9.2. Other information				
Other information	Not available.			
SECTION 10: Stability and rea	activity			
10.1. Reactivity				
Reactivity	See the other subsections of this section for further details.			
10.2. Chemical stability				
Stability	Stable under the prescribed storage conditions. No particular stability concerns.			
10.3. Possibility of hazardous	reactions			
Possibility of hazardous reactions	Under normal conditions of storage and use, no hazardous reactions will occur.			
10.4. Conditions to avoid				
Conditions to avoid	Avoid excessive heat for prolonged periods of time. Avoid contact with acids.			
10.5. Incompatible materials				
Materials to avoid	Strong acids. Avoid contact with other photographic solutions and/or cleaning compounds.			
10.6. Hazardous decomposition	on products			
Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Oxides of: Carbon. Sulphur. Nitrogen. Sodium.			
SECTION 11: Toxicological information				
11.1. Information on toxicologi	cal 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.			
Germ cell mutagenicity Genotoxicity - in vitro	The product contains a substance that is classified as: Suspected of causing genetic defects.			
Carcinogenicity				
Carcinogenicity	The product contains a substance that is classified as: Suspected of causing cancer.			
Reproductive toxicity Reproductive toxicity - development	The product contains a substance that is classified as: Suspected of damaging fertility or the unborn child.			
Specific target organ toxicity -	repeated exposure			

STOT - repeated exposure	The product contains a substance that is classified as: May cause damage to organs through prolonged or repeated exposure if inhaled.
Inhalation	May cause respiratory system irritation.
Ingestion	May cause discomfort if swallowed.
Skin contact	May cause sensitisation by skin contact. May cause allergic contact eczema.
Eye contact	Irritation of eyes and mucous membranes. Repeated exposure may cause chronic eye irritation.
Acute and chronic health hazards	Prolonged or repeated exposure may cause severe irritation. May cause skin irritation/eczema. May cause sensitisation by skin contact. Irritating to eyes. Vapour or spray in the eyes may cause irritation and smarting. May cause allergy. May cause hypersensitivity.
Route of entry	Skin and/or eye contact Ingestion.
Medical considerations	May aggravate existing: Skin disorders and allergies. Pre-existing eye problems.

HYDROQUINONE

Acute toxicity - oral	
Acute toxicity oral (LD₅₀ mg/kg)	375.0
Species	Rat
ATE oral (mg/kg)	375.0
Carcinogenicity	
IARC carcinogenicity	IARC Group 3 Not classifiable as to its carcinogenicity to humans.
	1-Phenyl-4-methyl-4-hydroxymethyl-3-pyrazolidone
Acute toxicity - oral	
Acute toxicity oral (LD₅₀ mg/kg)	566.0
Species	Rat
ATE oral (mg/kg)	566.0
SECTION 12: Ecological Information	

12.1. Toxicity

Toxicity

The product contains a substance which is very toxic to aquatic organisms.

SODIUM CARBONATE

Acute toxicity - fish LC ₅₀ , 96 hours: 320 (Bluegill) mg/l, Alga	(ill) mg/l, Algae
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HYDROQUINONE

Acute aquatic toxicity		
LE(C)∞	$0.01 < L(E)C50 \le 0.1$	
M factor (Acute)	10	

	Acute toxicity - fis	h	LC₅₀, 96 hours: 0.10-0.18 (Fathead Minnow) mg/l, Algae
	Acute toxicity - aq invertebrates	luatic	EC₅₀, 48 hours: 0.05 mg/l, Daphnia magna
	Acute toxicity - aq plants	luatic	IC₅₀, 72 hours: 1.0 mg/l, Fish
			1-Phenyl-4-methyl-4-hydroxymethyl-3-pyrazolidone
	Acute toxicity - fis	h	LC₅₀, 96 hours: 32 (Rainbow Trout) mg/l, Algae
	Acute toxicity - aq invertebrates	luatic	EC₅₀, 48 hours: 1.7 mg/l, Daphnia magna
12.2. Persis	stence and degrada	bility	
Persistence	and degradability	There ar	e no data on the degradability of this product.
12.3. Bioac	cumulative potentia	l	
Bioaccumul	lative potential	No data	available on bioaccumulation.
12.4. Mobili	ity in soil		
Mobility		The proc	duct is soluble in water.
12.5. Resul	ts of PBT and vPvB	assessm	nent
Results of F assessmen	PBT and vPvB t	This pro	duct does not contain any substances classified as PBT or vPvB.
HYDROQUINONE			
			HYDROQUINONE
	Results of PBT ar assessment	nd vPvB	HYDROQUINONE This substance is not classified as PBT or vPvB according to current EU criteria.
12.6. Other		nd vPvB	
<u>12.6. Other</u> Other adver	assessment adverse effects	nd vPvB None kn	This substance is not classified as PBT or vPvB according to current EU criteria.
Other adver	assessment adverse effects	None kn	This substance is not classified as PBT or vPvB according to current EU criteria.
Other adver	assessment adverse effects rse effects	None kn erations	This substance is not classified as PBT or vPvB according to current EU criteria.
Other adver	assessment adverse effects rse effects 13: Disposal conside e treatment methods	None kn erations s Used, di permit IF have to I waste to	This substance is not classified as PBT or vPvB according to current EU criteria.
Other adver SECTION 1 13.1. Waste	assessment adverse effects rse effects 13: Disposal conside e treatment methods ethods	None kn erations s Used, di permit IF have to I waste to may hav	This substance is not classified as PBT or vPvB according to current EU criteria.
Other adver SECTION 1 13.1. Waste Disposal me	assessment adverse effects rse effects 13: Disposal conside e treatment methods ethods	None kn erations s Used, di permit IF have to I waste to may hav EU Was	This substance is not classified as PBT or vPvB according to current EU criteria.
Other adver SECTION 1 13.1. Waste Disposal me	assessment adverse effects rse effects 13: Disposal conside e treatment methods ethods	None kn erations S Used, di permit IF have to I waste to may hav EU Was EU Was ation	This substance is not classified as PBT or vPvB according to current EU criteria.
Other adver SECTION 1 13.1. Waste Disposal me Waste class SECTION 1	assessment adverse effects rse effects 13: Disposal conside treatment methods ethods s 14: Transport inform	None kn erations S Used, di permit IF have to I waste to may hav EU Was EU Was ation	This substance is not classified as PBT or vPvB according to current EU criteria.
Other adver SECTION 1 13.1. Waste Disposal me Waste class SECTION 1 General	assessment adverse effects rse effects 13: Disposal conside treatment methods ethods s 14: Transport inform	None kn erations <u>s</u> Used, di permit IF have to I waste to may hav EU Was EU Was nation The proc (IMDG, I	This substance is not classified as PBT or vPvB according to current EU criteria.
Other adver SECTION 1 13.1. Waste Disposal me Waste class SECTION 1 General Road transp	assessment adverse effects rse effects 13: Disposal conside treatment methods ethods s 14: Transport inform	None kn erations S Used, di permit IF have to I waste to may hav EU Was EU Was EU Was The proc (IMDG, I Not class	This substance is not classified as PBT or vPvB according to current EU criteria.

Air transport notes Not classified.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

Transport labels No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

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

SECTION 15: Regulatory information	
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	

EU legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18
	December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of
	Chemicals (REACH) (as amended).
	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 (as amended).
	Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list
	of wastes and hazardous waste pursuant to Council Directive 75/442/EEC on waste and
	Directive 91/689/EEC on hazardous waste with amendments.
Guidance	Workplace Exposure Limits EH40.
	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)

15.2. Chemical safety assessment

See the appended document: Safe Use of Mixtures Information (SUMI)

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.
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.
Issued by	HS&E Advisor Dr Trevor Rhodes Tel: +44(0)1565 650000, email: trevor.rhodes@harmantechnology.com
Revision date	02/06/2017
Revision	2
Supersedes date	14/05/2015
Hazard statements in full	 H302 Harmful if swallowed. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H341 Suspected of causing genetic defects. H351 Suspected of causing cancer. H400 Very toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects. EUH208 Contains HYDROQUINONE, 1-Phenyl-4-methyl-4-hydroxymethyl-3-pyrazolidone. May produce an allergic reaction.

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Safe Use of Mixtures Information (SUMI)

Photoprocessing Solutions from Liquid or Powder Concentrates: Manual Processing (Professional Use)

Disclaimer

This SUMI is a generic document for communicating conditions of safe use of a product in response to the REACH obligation. This document relates only to conditions of safe use and is not specific to a product. By adding this SUMI to a specific product Safety Data Sheet (SDS), the importer/formulator declares that the mixture can safely be used following the instructions below. Following occupational health legislation, the employer of workers remains responsible for communicating relevant use information to employees. When developing workplace instructions for employees, SUMI Sheets should always be considered in combination with the SDS and the label of the product. Derived No Effect Levels (DNEL) and Predicted No Effect Concentration (PNEC) values of substances derived from the Chemical Safety Assessment (CSA) will be given in section 8 of the SDS. The REACH registration numbers, where applicable, complete an extended product SDS.

Operational conditions			
Maximum duration	1 hour per day for diluting liquid concentrate	s or dissolving powders (when applicable).	
	1 hour per day for mixing and disposal activit	ies.	
	6 hours per day for application (= processing)	l.	
Frequency of exposure	Dissolving powders: 25 days per year.		
	Diluting liquids and all other activities: 50 day	vs per year.	
Physical state	As supplied: liquid concentrates or powder co	oncentrates.	
	As used, after making up: aqueous working so	olution.	
Process conditions Covers use at ambient temperatures.			
	Provide a good standard of controlled ventila	tion (10 to 15 air changes per hour).	
	Keep emissions below the occupational expo	sure limits of the ingredients	
	specified in section 8 of the SDS.	-	
	Avoid direct contact.		
	Regular cleaning of equipment and work area	Э.	
Risk management measures			
Conditions and measures	Wear safety glasses with side shields.		
related to	Wear appropriate chemical resistant gloves: see section 8 of the SDS.		
Personal Protection Equipment	Wear lab coat or overall.		
(PPE), hygiene and health	No respiratory protective equipment is required under normal conditions of use, provided		
evaluation	that adequate ventilation is in place.		
	Eye wash station and emergency showers are	e recommended.	
	Avoid breathing dust (when handling powder	rs), mist/vapours.	
	Avoid contact with skin, eyes and clothing.		
	Training of worker in relation to proper use a	nd maintenance of the PPE must be ensured.	
Good practice advice			
Use personal protective equipme	nt as required.		
Wash hands before breaks and a	fter work.		
Keep good hygiene and safety practice.			
Use only with adequate ventilation.			
Do not eat, drink or smoke when using this product.			

Environmental measures

Do not allow this material to drain into sewers/water supplies.

Ensure collection and disposal with appropriately licenced waste contractor.

Dispose of waste material according to Local, State, Federal and Provincial Environmental Regulations.

Use descriptors

PW-Widespread use by professional workers.

SU7-Printing and reproduction of recorded media.

PC30-Photochemicals.

PROC5-Mixing or blending in batch processes.

PROC8a-Transfer of substance or mixture (charging and discharging) at non-dedicated facilities.

PROC8b-Transfer of substance or mixture (charging and discharging) at dedicated facilities.

PROC13-Treatment of articles by dipping and pouring.

ERC8a-Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor).

ERC8b-Widespread use of reactive processing aid (no inclusion into or onto article, indoor).

Additional information on product composition

In section 2 of the SDS as well as on the label, the classification of the mixture as supplied is provided.

See section 3 of the SDS for information on the product's composition. Note that this information will be for the concentrate supplied, which is used to create the working strength (WS) solution.

Relevant limit values of ingredients on which the exposure assessment is based, are listed in section 8 of the SDS.

The product may contain sensitizing ingredients that may cause allergic reaction to certain people.

Section 2 of the SDS states these ingredients where applicable.

ILFORD PHOTO HARMAN technology Ltd

Safe Use of Mixtures Information (SUMI)

Photoprocessing Solutions from Liquid or Powder Concentrates: Manual Processing (Consumer Use)

Disclaimer

This SUMI is a generic document for communicating conditions of safe use of a product in response to the REACH obligation. This document relates only to conditions of safe use and is not specific to a product. By adding this SUMI to a specific product Safety Data Sheet (SDS), the importer/formulator declares that the mixture can safely be used following the instructions below. Following occupational health legislation, the employer of workers remains responsible for communicating relevant use information to employees. When developing workplace instructions for employees, SUMI Sheets should always be considered in combination with the SDS and the label of the product. Derived No Effect Levels (DNEL) and Predicted No Effect Concentration (PNEC) values of substances derived from the Chemical Safety Assessment (CSA) will be given in section 8 of the SDS. The REACH registration numbers, where applicable, complete an extended product SDS.

Operational conditions		
Maximum duration	15 minutes per day for dissolving powders (when applicable).	
	15 minutes per day for mixing and disposal activities.	
	4 hours per day for application (= processing).	
Frequency of exposure	Dissolving powders: 12 days per year.	
	Diluting liquids and all other activities: 25 days per year.	
Physical state	As supplied: liquid concentrate or powder concentrate.	
	As used, after making up: aqueous working strength solution.	
Process conditions	Covers use at ambient temperatures.	
	Provide a good standard of ventilation.	
	Avoid direct contact.	
	Regular cleaning of equipment and work area.	
Risk management measures		
Conditions and measures	Wear safety glasses with side shields.	
related to	Wear appropriate chemical resistant gloves: see section 8 of the SDS.	
Personal Protection Equipment	Wear lab coat or overall.	
(PPE), hygiene and health	Provide adequate ventilation.	
evaluation	Avoid breathing dust (when handling powders), mist/vapours.	
	Avoid contact with skin, eyes and clothing.	
Good practice advice		
Use Personal Protective Equipme		
Wash hands before breaks and after work.		
Use only with adequate ventilation.		
Do not eat, drink or smoke when using this product.		
Environmental measures		
Do not allow this material to drain into sewers/water supplies.		
Dispose of waste material according to Local, State, Federal and Provincial Environmental Regulations.		

Use descriptors

C-Consumer use.

SU7-Printing and reproduction of recorded media.

PC30-Photochemicals.

PROC5-Mixing or blending in batch processes.

PROC8a-Transfer of substance or mixture (charging and discharging) at non-dedicated facilities.

PROC13-Treatment of articles by dipping and pouring.

ERC8a-Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor).

ERC8b-Widespread use of reactive processing aid (no inclusion into or onto article, indoor).

Additional information on product composition

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See section 3 of the SDS for information on the product's composition.

Note that this information will be for the concentrate supplied, which is used to create the working strength (WS) solution.

The product may contain sensitizing ingredients that may cause allergic reaction to certain people. Section 2 of the SDS states these ingredients where applicable.