



According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

SAFETY DATA SHEET

KODAK PROFESSIONAL HC-110 Developer

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

1.1. Product identifier

▼ Trade name:

KODAK PROFESSIONAL HC-110 Developer
Obtain special instructions before use.

Product no.:

1058692

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

Relevant identified uses of the substance or mixture:

Photographic chemical (developer/activator) for black and white film.

▼ Use descriptors (UK REACH):

Sectors of use	Description
LCS "C"	Consumer uses: Private households (= general public = consumers)
Product category	Description
PC 30	Photochemicals
Process category	Description
PROC 19	Hand-mixing with intimate contact and only PPE available

▼ EuPCS:

PC-TEC-15 / Photochemicals

Uses advised against :

None known.

1.3. Details of the supplier of the safety data sheet

Company and address:

Photo Systems Inc.
7190 Huron River Drive
MI 48130 Dexter
USA
Tel: +1 (734) 424-9625
Fax: +1-734-580-2199
www.photosys.com

For further information about this product email EHS-Questions @photosys.com

Manufacturer:

Photo Systems Inc.
7190 Huron River Drive
MI 48130 Dexter
USA
Tel: +1 (734) 424-9625
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Contact person: Jake Bolt
E-mail: jake@photosys.com
Revision: 22/02/2024
SDS Version: 2.0
Date of previous version: 13/10/2023 (1.0)

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).
See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.1. ▼ Classification of the substance or mixture

Skin Irrit. 2; H315, Causes skin irritation.

Skin Sens. 1; H317, May cause an allergic skin reaction.

Eye Dam. 1; H318, Causes serious eye damage.

Muta. 2; H341, Suspected of causing genetic defects.

STOT RE 2; H373, May cause damage to organs through prolonged or repeated exposure.

Aquatic Acute 1; H400, Very toxic to aquatic life.

Aquatic Chronic 2; H411, Toxic to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram(s):



Signal word:

Danger

▼ Hazard statement(s):

Causes skin irritation. (H315)
May cause an allergic skin reaction. (H317)
Causes serious eye damage. (H318)
Suspected of causing genetic defects. (H341)
May cause damage to organs through prolonged or repeated exposure. (H373)
Very toxic to aquatic life with long lasting effects. (H410)

Precautionary statement(s):

General:

If medical advice is needed, have product container or label at hand. (P101)
Keep out of reach of children. (P102)

▼ Prevention:

Do not breathe vapour/mist. (P260)
Wear protective gloves/protective clothing/eye protection/face protection. (P280)

▼ Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
Get medical advice/attention if you feel unwell. (P314)

Storage:

Store locked up. (P405)

Disposal:

Dispose of contents/container in accordance with local



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- ▼ **Hazardous substances:** regulation (P501)
hydroquinone
Borax Pentahydrate
Potassium hydroxide 45%
Dissolvine H-40
diethanolamine
- ▼ **Additional labelling:** Not applicable.

2.3. Other hazards

- ▼ **Additional warnings:** This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification. This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable. This product is a mixture.

3.2. ▼ Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Potassium Sulfite Solution 45%	CAS No.: 10117-38-1 EC No.: 233-321-1 UK-REACH: Index No.:	40-60%		
hydroquinone	CAS No.: 123-31-9 EC No.: 204-617-8 UK-REACH: Index No.: 604-005-00-4	10-15%	Acute Tox. 4, H302 Skin Sens. 1B, H317 Eye Dam. 1, H318 Muta. 2, H341 Carc. 2, H351 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1) Aquatic Chronic 2, H411	
2,2'-oxydiethanol	CAS No.: 111-46-6 EC No.: 203-872-2 UK-REACH: Index No.: 603-140-00-6	5-10%	Acute Tox. 4, H302	
Borax Pentahydrate	CAS No.: 12179-04-3 EC No.: 601-808-1 UK-REACH: Index No.: 005-011-00-4	3-5%	Eye Irrit. 2, H319 Repr. 1B, H360 (SCL: 6.50 %)	[5]
Potassium hydroxide 45%	CAS No.: 1310-58-3 EC No.: 215-181-3	1-3%	Met. Corr. 1, H290 Acute Tox. 4, H302	



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	UK-REACH: Index No.: 019-002-00-8		Skin Corr. 1, H314 Eye Dam. 1, H318	
sodium bromide	CAS No.: 7647-15-6 EC No.: 231-599-9 UK-REACH: Index No.:	1-3%		
Dissolvine H-40	CAS No.: 139-89-9 EC No.: 205-381-9 UK-REACH: Index No.:	1-3%	Acute Tox. 4, H302 Eye Dam. 1, H318	
diethanolamine	CAS No.: 111-42-2 EC No.: 203-868-0 UK-REACH: Index No.: 603-071-00-1	1-3%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Repr. 1B, H360FD STOT SE 2, H371 STOT RE 2, H373	
Dimezone S	CAS No.: 13047-13-7 EC No.: 235-920-3 UK-REACH: Index No.:	<1%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	
Pyrocatechol	CAS No.: 120-80-9 EC No.: 204-427-5 UK-REACH: Index No.: 604-016-00-4	<0.05%	Acute Tox. 3, H301 Acute Tox. 3, H311 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318 Muta. 2, H341 Carc. 1B, H350	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[5] Substance is included in the Candidate List of substances of very high concern (SVHC).

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

General information:

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation:

Upon breathing difficulties or irritation of the respiratory



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	tract: Bring the person into fresh air and stay with him/her. Get medical attention if symptoms occur.
Skin contact:	Immediately flush skin with plenty of water. Remove contaminated clothing. Get medical attention in if symptoms occur or in case of eczema or other skin disorders.
Eye contact:	If in eyes: Flush eyes with plenty of water or salt water (20-30 °C) for at least 30 minutes and continue until irritation stops. Remove contact lenses. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.
Ingestion:	Never give anything by mouth to an unconscious person. No NOT induce vomiting. Rinse mouth. If vomiting occurs, keep head low so that stomach content does not get into the lungs. Get medical attention immediately.
Burns:	Not applicable.

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

Most important known symptoms and effects are described in the labeling (see Section 2.2 and in Section 11.)

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

IF exposed or concerned:

Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: FIREFIGHTING MEASURES

5.1. ▼ Extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

No unusual fire or explosion hazards noted

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. ▼ Special hazards arising from the substance or mixture

In the event of fire, incompatible materials are strong acids, strong oxidizing agents, aluminum, ammonia. Hazardous decomposition products are: Sulphur oxides and Nitrogen oxides (NO_x)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

Hazchem Code: ●3Z

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Use personnel protective equipment and clothing



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recommended in Section 8.

Avoid direct contact with spilled substances.

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.

6.2. Environmental precautions

Prevent product from entering drains, water courses or onto the ground.

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See Section 8 "Exposure controls/personal protection" for information on personal protection.

See Section 13 "Disposal considerations" on handling of waste.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Obtain special instructions before use. do not handle until all safety precautions have been read and understood. Do not get this material in contact with eyes. Do not taste or swallow. Avoid contact with skin and clothing. Avoid prolonged exposure. When using, Do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling.

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

Avoid direct contact with the product.

Avoid contact during pregnancy and while nursing.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. ▼ Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material: Keep only in original packaging.

Storage temperature: Dry, cool and well ventilated

▼ Incompatible materials: Strong acids
Strong oxidizing agents
Aluminium

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational Exposure Limits

hydroquinone

Long term exposure limit (8 hours) (mg/m³): 0,5

2,2'-oxydiethanol

Long term exposure limit (8 hours) (ppm): 23

Long term exposure limit (8 hours) (mg/m³): 101

Potassium hydroxide 45%

Short term exposure limit (15 minutes) (mg/m³): 2

Pyrocatechol

Long term exposure limit (8 hours) (ppm): 5

Long term exposure limit (8 hours) (mg/m³): 23

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.

EH40/2005 Workplace exposure limits (Fourth Edition 2020).

DNEL

2,2'-oxydiethanol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	21 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	43 mg/kg bw/day
Long term – Local effects - General population	Inhalation	12 mg/m ³
Long term – Local effects - Workers	Inhalation	60 mg/m ³
Long term – Systemic effects - General population	Inhalation	12 mg/m ³
Long term – Systemic effects - Workers	Inhalation	44 mg/m ³

diethanolamine

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	70 µg/kgbw/day
Long term – Systemic effects - Workers	Dermal	130 µg/kgbw/day
Long term – Local effects - General population	Inhalation	125 µg/m ³
Long term – Local effects - Workers	Inhalation	500 µg/m ³
Long term – Systemic effects - General population	Inhalation	125 µg/m ³
Long term – Systemic effects - Workers	Inhalation	750 µg/m ³
Long term – Systemic effects - General population	Oral	60 µg/kgbw/day

Dissolvine H-40

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	2.5 mg/m ³
Long term – Local effects - Workers	Inhalation	10 mg/m ³
Long term – Systemic effects - General population	Inhalation	22 mg/m ³
Long term – Systemic effects - Workers	Inhalation	88 mg/m ³
Long term – Systemic effects - General population	Oral	12 mg/kg bw/day



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hydroquinone

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	1.66 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	3.33 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	1.05 mg/m ³
Long term – Systemic effects - Workers	Inhalation	2.1 mg/m ³
Long term – Systemic effects - General population	Oral	600 µg/kgbw/day

Potassium hydroxide 45%

Duration:	Route of exposure:	DNEL:
Long term – Local effects - General population	Inhalation	1 mg/m ³
Long term – Local effects - Workers	Inhalation	1 mg/m ³

Potassium Sulfite Solution 45%

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Inhalation	111 mg/m ³
Long term – Systemic effects - Workers	Inhalation	374 mg/m ³
Long term – Systemic effects - General population	Oral	14 mg/kg bw/day

Pyrocatechol

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - Workers	Inhalation	900 µg/m ³
Short term – Systemic effects - Workers	Inhalation	85 mg/m ³

sodium bromide

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Dermal	25 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	70 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	870 µg/m ³
Long term – Systemic effects - Workers	Inhalation	4.93 mg/m ³
Long term – Systemic effects - General population	Oral	500 µg/kgbw/day

PNEC

2,2'-oxydiethanol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		10 mg/L
Freshwater sediment		20.9 mg/kg
Intermittent release (freshwater)		10 mg/L
Marine water		1 mg/L
Marine water sediment		2.09 mg/kg
Sewage treatment plant		199.5 mg/L
Soil		1.53 mg/kg



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diethanolamine

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		21 µg/L
Freshwater sediment		96 µg/kg
Intermittent release (freshwater)		95 µg/L
Marine water		2 µg/L
Marine water sediment		9.2 µg/kg
Predators		1.04 mg/kg
Sewage treatment plant		100 mg/L
Soil		1.63 mg/kg

Dissolvine H-40

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		256 µg/L
Freshwater sediment		922 µg/kg
Intermittent release (freshwater)		1 mg/L
Intermittent release (marine water)		100 µg/L
Marine water		25.6 µg/L
Marine water sediment		92.2 µg/kg
Sewage treatment plant		5.89 mg/L
Soil		184 µg/kg

hydroquinone

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		570 ng/L
Freshwater sediment		4.9 µg/kg
Intermittent release (freshwater)		1.34 µg/L
Marine water		57 ng/L
Marine water sediment		490 ng/kg
Sewage treatment plant		710 µg/L
Soil		640 ng/kg

Potassium Sulfite Solution 45%

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		1.67 mg/L
Marine water		170 µg/L
Sewage treatment plant		125.5 mg/L

Pyrocatechol

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		1.1 µg/L
Freshwater sediment		17 µg/kg
Intermittent release (freshwater)		11 µg/L



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Marine water		110 ng/L
Marine water sediment		1.7 µg/kg
Sewage treatment plant		1.958 mg/L
Soil		2.7 µg/kg

sodium bromide

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		56 µg/L
Intermittent release (freshwater)		4.4 mg/L
Intermittent release (marine water)		440 µg/L
Marine water		5.6 µg/L
Predators		33.33 mg/kg
Sewage treatment plant		100 mg/L
Soil		10 mg/kg

8.2. ▼ Exposure controls

Good ventilations (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation or other engineering controls to maintain airborne levels below recommended exposure limits. Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations:

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios:

There are no exposure scenarios implemented for this product.

Exposure limits:

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures:

Do not recirculate outlet air that contains the substances. The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked. Ensure that eyewash stations and safety showers are located within easy reach. Apply standard precautions during use of the product. Avoid inhalation of vapours.

▼ Hygiene measures:

Take off contaminated clothing and wash it before reuse.

Measures to avoid environmental exposure:

Keep damming materials near the workplace. If possible, collect spillage during work.

Individual protection measures, such as personal protective equipment


Generally:

Use only UKCA marked protective equipment.


Respiratory Equipment:

Type	Class	Colour	Standards	
organic vapor/P95	P95			


Skin protection:

Recommended	Type/Category	Standards	
Dedicated work clothing should be worn.	-	-	

Hand protection:

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
Gloves	-	-	EN374	

Eye protection:

Type	Standards	
Wear vapor-tight chemical goggle and a face shield.		

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Yellow
Odour / Odour threshold:	Amine
pH:	9.0
▼ pH in solution:	9.3 (%)
▼ Density (g/cm³):	-
▼ Relative density:	1.07
Kinematic viscosity:	No data available
Particle characteristics:	Not applicable - product is a liquid

Phase changes

Melting point/Freezing point (°C):	Not applicable - product is a liquid
Softening point/range (waxes and pastes) (°C):	Does not apply to liquids.
Boiling point (°C):	100
Vapour pressure:	18 millibar
Relative vapour density:	0.6
Decomposition temperature (°C):	No data available



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Data on fire and explosion hazards

Flash point (°C):	93.3
Flammability (°C):	Not applicable
Auto-ignition temperature (°C):	No data available
Lower and upper explosion limit (% v/v):	No data available

Solubility

Solubility in water:	Completely soluble
n-octanol/water coefficient (LogKow):	Testing not relevant or not possible due to the nature of the product.
Solubility in fat (g/L):	Testing not relevant or not possible due to the nature of the product.

9.2. Other information

Dust explosion class:	St0 (No explosion)
Evaporation rate (n-butylacetate = 100):	No data available
Oxidizing properties:	Not applicable
Other physical and chemical parameters:	No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. ▼ Reactivity

This product is stable and non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

The product is stable under the conditions, noted in section 7 "Handling and storage".

10.3. ▼ Possibility of hazardous reactions

Hazardous polymerization does not occur.

10.4. ▼ Conditions to avoid

Incompatible with strong acids which may liberate sulphur dioxide.
Mechanical influences (e.g. Shock, pressure, impact, friction). Fire, sparks or other ignition sources.
Keep away from heat.

10.5. ▼ Incompatible materials

Strong acids. Strong oxidizing agents. Aluminum. Ammonia.
Incompatible with strong acids which may liberate Sulphur dioxide.

10.6. ▼ Hazardous decomposition products

Hazardous decomposition products: Sulphur oxides and Nitrogen oxides (NOx)

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law



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▼ **Acute toxicity**

Prolonged inhalation may be harmful. Mist or vapors irritating.

▼ **Skin corrosion/irritation**

Prolonged or repeated exposure may cause skin irritation. May cause an allergic skin reaction.

▼ **Serious eye damage/irritation**

Causes serious eye irritation.

▼ **Respiratory sensitisation**

Not a respiratory sensitizer.

Skin sensitisation

May cause an allergic skin reaction.

Germ cell mutagenicity

Suspected of causing genetic defects.

▼ **Carcinogenicity**

Based on available data, the classification criteria are not met.

▼ **Reproductive toxicity**

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

▼ **STOT-repeated exposure**

May cause damage to organs (central nervous system, kidney, blood, liver) through prolonged or repeated exposure.

Aspiration hazard

Based on available data, the classification criteria are not met.

11.2. Information on other hazards

▼ **Long term effects**

The product contains substances that cause serious eye damage. Contact with these substances can cause irreversible effects on the eye / serious eye damage.

Endocrine disrupting properties

This mixture/product does not contain any substances known to have hormone-disrupting properties in relation to health.

▼ **Other information**

hydroquinone has been classified by IARC as a group 3 carcinogen.

diethanolamine has been classified by IARC as a group 2B carcinogen.

Pyrocatechol has been classified by IARC as a group 2B carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Very toxic to aquatic life with long lasting effects. (Hydroquinone (Cas 123-31-9))

12.2. Persistence and degradability

Readily biodegradable

12.3. Bioaccumulative potential

Partial coefficient n-octanol/water (log/Kow) for Hydroquinone 0.59

12.4. Mobility in soil



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No data available.

12.5. ▼ Results of PBT and vPvB assessment

This mixture/product does not contain any substances known to fulfil the criteria for PBT and vPvB classification.

12.6. ▼ Endocrine disrupting properties

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

12.7. ▼ Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: DISPOSAL CONSIDERATIONS

▼ Waste treatment methods

Waste Treatment Methods: Product waste material must be disposed of in accordance with the national and local regulations. handle uncleaned containers like the product itself.

Product is covered by the regulations on hazardous waste.

HP 4 - Irritant (skin irritation and eye damage)

HP 5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity

HP 7 - Carcinogenic

HP 10 - Toxic for reproduction

HP 11 - Mutagenic

HP 13 - Sensitising

HP 14 - Ecotoxic

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code


Not applicable.

Specific labelling

Contaminated packing



Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: TRANSPORT INFORMATION

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
ADR	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (hydroquinone)	Transport hazard class: 9 Label: 9 Classification code: M6 	III	Yes	Limited quantities: 5 L Tunnel restriction code: (-) See below for



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	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information:
						additional information.
IMDG	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (hydroquinone)	Transport hazard class: 9 Label: 9 Classification code: M6 	III	Yes	Limited quantities: 5 L EmS: F-A S-F See below for additional information.
IATA	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (hydroquinone)	Transport hazard class: 9 Label: 9 Classification code: M6 	III	Yes	See below for additional information.

* Packing group

** Environmental hazards

Additional information

LIMITED QUANTITY EXEMPTION

Not dangerous goods according to ADR, IATA and IMDG.

Hazchem Code: ●3Z

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: REGULATORY INFORMATION

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

▼ Restrictions for application:

People under the age of 18 shall not be exposed to this product.

Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education:

No specific requirements.

SEVESO - Categories / dangerous substances:

E1 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 100 tonnes / (upper-tier): 200 tonnes

Additional information:

Tactile warning.

Sources:

The Management of Health and Safety at Work

Regulations 1999.
The Health and Safety at Work etc. Act 1974 Regulations 2013.
Control of Major Accident Hazards (COMAH) Regulations 2015.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.
Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: OTHER INFORMATION

▼ Full text of H-phrases as mentioned in section 3

H290, May be corrosive to metals.
H301, Toxic if swallowed.
H302, Harmful if swallowed.
H311, Toxic in contact with skin.
H314, Causes severe skin burns and eye damage.
H315, Causes skin irritation.
H317, May cause an allergic skin reaction.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H335, May cause respiratory irritation.
H341, Suspected of causing genetic defects.
H350, May cause cancer.
H351, Suspected of causing cancer.
H360, May damage fertility or the unborn child.
H360FD, May damage fertility. May damage the unborn child.
H371, May cause damage to organs.
H373, May cause damage to organs through prolonged or repeated exposure.
H400, Very toxic to aquatic life.
H410, Very toxic to aquatic life with long lasting effects.
H411, Toxic to aquatic life with long lasting effects.

▼ The full text of identified uses as mentioned in section 1

LCS "C" = Consumer uses: Private households (= general public = consumers)
PROC 19 = Hand-mixing with intimate contact and only PPE available
PC 30 = Photochemicals

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor



According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

CAS = Chemical Abstracts Service
CE = Conformité Européenne (European conformity)
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EuPCS = European Product Categorisation System
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

The safety data sheet is validated by

Validated by Photo Systems Inc./cf

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product.

Information in this safety data sheet cannot be used as a product specification.



According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and SI 2020/1577

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