



## SAFETY DATA SHEET

# KODAK PROFESSIONAL Rapid Selenium Toner

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

#### 1.1. Product identifier

**Trade name:** KODAK PROFESSIONAL Rapid Selenium Toner  
Obtain special instructions before use.

**Product no.:** 1058536

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

**Relevant identified uses of the substance or mixture:** Photographic chemical for processing black and white film and paper.

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

**Contact person:** Jake Bolt  
**E-mail:** jake@photosys.com  
**Revision:** 22/02/2024  
**SDS Version:** 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 Irrit. 2; H319, Causes serious eye irritation.

### 2.2. Label elements

**Hazard pictogram(s):**



**Signal word:**

Warning

**Hazard statement(s):**

Causes skin irritation. (H315)  
May cause an allergic skin reaction. (H317)  
Causes serious eye irritation. (H319)

**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:**

Avoid breathing mist/vapour. (P261)  
Wash hands thoroughly after handling. (P264)  
Wear eye protection/protective gloves/protective clothing. (P280)

**Response:**

IF ON SKIN: Wash with plenty of water and soap. (P302+P352)  
If skin irritation or rash occurs: Get medical advice/attention. (P333+P313)

**Storage:**

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**Disposal:**

Dispose of contents/container in accordance with local regulation (P501)

**Hazardous substances:**

Disodium disulphite  
Sodium Hydroxide 50% Solution

**Additional labelling:**

Not applicable.

### 2.3. Other hazards

**Additional warnings:**

This mixture/product does not contain any substances



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

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
Ammonium Thiosulfate 60% Solution	CAS No.: 7783-18-8 EC No.: 231-982-0 UK-REACH: Index No.:	40-60%		
Sodium Sulfite	CAS No.: 7757-83-7 EC No.: 231-821-4 UK-REACH: Index No.:	10-15%		
Disodium disulphite	CAS No.: 7681-57-4 EC No.: 231-673-0 UK-REACH: Index No.: 016-063-00-2	3-5%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318	
Sodium Hydroxide 50% Solution	CAS No.: 1310-73-2 EC No.: 215-185-5 UK-REACH: Index No.: 011-002-00-6	1-3%	Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318	
Sodium selenite	CAS No.: 10102-18-8 EC No.: 233-267-9 UK-REACH: Index No.: 034-003-00-3	1-3%	Acute Tox. 2, H300 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Acute Tox. 2, H330 Aquatic Chronic 2, H411	

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

### Other information

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## 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 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 immediately with plenty of water or isotonic water (20-30 °C) for at least 5 minutes and continue until irritation stops. Remove contact lenses. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. 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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

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

If skin irritation or rash occurs: Get 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.

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. No unusual fire or explosion hazards noted

#### 5.2. Special hazards arising from the substance or mixture

In the event of fire, incompatible materials are Acids, Strong bases. Sodium hypochlorite (bleach). Halogenated materials. Oxidizing agents. Contact with strong acids may liberate ammonia, contact with sodium hypochlorite (bleach) may liberate hazardous materials. Hazardous decomposition products are Sulfuric oxides, Ammonia, and Chloramine.

#### 5.3. Advice for firefighters



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

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: None

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Use personnel protective equipment and clothing 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.  
Keep unauthorized persons away from the spill

### 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 13 "Disposal considerations" on handling of waste.  
See section 8 "Exposure controls/personal protection" for protective measures.

## 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.  
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  
Bases  
Sodium hypochlorite (bleach)  
Strong oxidizing agents  
Halogenated materials



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

### 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

Disodium disulphite

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 5

Sodium Hydroxide 50% Solution

Short term exposure limit (15 minutes) (mg/m<sup>3</sup>): 2

Sodium selenite

Long term exposure limit (8 hours) (mg/m<sup>3</sup>): 0,1 (Se)

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

Ammonium Thiosulfate 60% Solution

Duration:	Route of exposure:	DNEL:
Long term - Systemic effects - General population	Inhalation	104 mg/m <sup>3</sup>
Long term - Systemic effects - Workers	Inhalation	350 mg/m <sup>3</sup>
Long term - Systemic effects - General population	Oral	13 mg/kg bw/day

Disodium disulphite

Duration:	Route of exposure:	DNEL:
Long term - Systemic effects - General population	Inhalation	66 mg/m <sup>3</sup>
Long term - Systemic effects - Workers	Inhalation	225 mg/m <sup>3</sup>
Long term - Systemic effects - General population	Oral	8.6 mg/kg bw/day

Sodium Hydroxide 50% Solution

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

Sodium selenite

Duration:	Route of exposure:	DNEL:
Long term - Systemic effects - General population	Dermal	9.42 mg/kg bw/day
Long term - Systemic effects - Workers	Dermal	15.33 mg/kg bw/day
Long term - Systemic effects - General population	Inhalation	33 µg/m <sup>3</sup>
Long term - Systemic effects - Workers	Inhalation	110 µg/m <sup>3</sup>



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

Long term – Systemic effects - General population	Oral	9.42 µg/kgbw/day
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#### Sodium Sulfit

Duration:	Route of exposure:	DNEL:
Long term – Systemic effects - General population	Inhalation	88 mg/m <sup>3</sup>
Long term – Systemic effects - Workers	Inhalation	298 mg/m <sup>3</sup>
Long term – Systemic effects - General population	Oral	11 mg/kg bw/day

## PNEC

#### Ammonium Thiosulfate 60% Solution

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		780 µg/L
Marine water		78 µg/L
Sewage treatment plant		100.1 mg/L

#### Disodium disulphite

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		1 mg/L
Marine water		100 µg/L
Sewage treatment plant		75.4 mg/L

#### Sodium selenite

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		5.85 µg/L
Freshwater sediment		18 mg/kg
Intermittent release (freshwater)		12 µg/L
Marine water		3.72 µg/L
Marine water sediment		11.6 mg/kg
Predators		2.19 mg/kg
Sewage treatment plant		3.285 mg/L
Soil		220 µg/kg

#### Sodium Sulfit

Route of exposure:	Duration of Exposure:	PNEC:
Freshwater		1.33 mg/L
Marine water		130 µg/L
Sewage treatment plant		99.9 mg/L

## 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:** 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. 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:** No specific requirements.


**Individual protection measures, such as personal protective equipment**

**Generally:** Use only UKCA marked protective equipment.


**Respiratory Equipment:**

Type	Class	Colour	Standards	
Respiratory protection is not needed in the event of adequate ventilation.				
Self contained breathing apparatus			EN137, EN139	


**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	
Safety glasses with side shields.	EN166	





## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>Physical state:</b>	Liquid
<b>Colour:</b>	Colourless
<b>Odour / Odour threshold:</b>	Ammonia odor
<b>pH:</b>	9
<b>pH in solution:</b>	8.66 (25%)
<b>Density (g/cm<sup>3</sup>):</b>	-
<b>Relative density:</b>	1.3
<b>Kinematic viscosity:</b>	No data available
<b>Particle characteristics:</b>	Not applicable - product is a liquid

#### Phase changes

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

#### Data on fire and explosion hazards

<b>Flash point (°C):</b>	Not applicable
<b>Flammability (°C):</b>	The material is not combustible.
<b>Auto-ignition temperature (°C):</b>	No data available
<b>Lower and upper explosion limit (% v/v):</b>	Testing not relevant or not possible due to the nature of the product.

#### Solubility

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

### 9.2. Other information

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



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

## 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

Keep away from heat.

Mechanical influences (e.g. Shock, pressure, impact, friction). Fire, sparks or other ignition sources.

### 10.5. Incompatible materials

Acids, Strong bases. Sodium hypochlorite (bleach). Halogenated materials. Oxidizing agents. Contact with strong acids may liberate ammonia. Contact with sodium hypochlorite (bleach) may liberate hazardous materials.

### 10.6. Hazardous decomposition products

Sulphur oxides. Ammonia. Chloramine.

## 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

Harmful if swallowed.

#### Acute toxicity

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

#### Skin corrosion/irritation

Prolonged skin contact may cause temporary irritation.

#### Serious eye damage/irritation

Direct contact with eyes may cause temporary irritation.

#### Respiratory sensitisation

Not a respiratory sensitizer.

#### Skin sensitisation

May cause an allergic reaction.

#### Germ cell mutagenicity

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

#### Carcinogenicity

This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

#### Reproductive toxicity

This product is not expected to cause reproductive or developmental effects.

#### STOT-single exposure

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

#### STOT-repeated exposure



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

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

#### **Aspiration hazard**

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

#### **11.2. Information on other hazards**

##### **Long term effects**

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

##### **Endocrine disrupting properties**

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

##### **Other information**

Sodium selenite has been classified by IARC as a group 3 carcinogen.

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## **SECTION 12: ECOLOGICAL INFORMATION**

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#### **12.1. Toxicity**

This product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

#### **12.2. Persistence and degradability**

Readily biodegradable

#### **12.3. Bioaccumulative potential**

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

#### **12.4. Mobility in soil**

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.

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## **SECTION 13: DISPOSAL CONSIDERATIONS**

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#### **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)



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

HP 6 - Acute toxicity

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	-	Not regulated as dangerous goods entry		-	No	See below for additional information.
IMDG	-	Not regulated as dangerous goods entry		-	No	See below for additional information.
IATA	-	Not regulated as dangerous goods entry		-	No	See below for additional information.

\* Packing group

\*\* Environmental hazards

**Additional information**

Not dangerous goods according to ADR, IATA and IMDG.  
Hazchem Code: None

**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.

**Demands for specific education:** No specific requirements.

**SEVESO - Categories / dangerous substances:** Not applicable.

**Additional information:** Not applicable.



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

**Sources:**

The Management of Health and Safety at Work Regulations 1999.  
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

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**SECTION 16: OTHER INFORMATION**

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

H290, May be corrosive to metals.  
H300, Fatal if swallowed.  
H302, Harmful if swallowed.  
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.  
H330, Fatal if inhaled.  
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  
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



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

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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 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.

DISCLAIMER: The information contained in this Safety Data Sheet is correct to the best of our knowledge and experience at the time of publication. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. It is the user's responsibility to assure the proper use, storage and disposal of these materials to ensure the safety and health of the user and to protect the environment.

Country-language: GB-en