



Conforms to OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200 / revised 2012)

## SAFETY DATA SHEET

# KODAK PROFESSIONAL XTOL Developer Powder - B

### SECTION 1: IDENTIFICATION

#### 1.1. Product identifier

▼Trade name: KODAK PROFESSIONAL XTOL Developer Powder - B  
Obtain special instructions before use.

Product no.: 1058338B

#### 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.

▼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  
Fax: +1-734-580-2199  
www.photosys.com

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

Contact person: Jake Bolt

E-mail: jake@photosys.com

SDS date: 2/20/2024

SDS Version: 2.0



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**Date of previous version:** 11/9/2023 (1.0)

**1.4. Emergency telephone number**

Contact the poison control at 1-800-222-1222 (24/7) or use the webPOISONCONTROL® (triage.webpoisoncontrol.org) to get specific guidance for your case  
See also section 4 “First aid measures”.

**SECTION 2: HAZARD(S) IDENTIFICATION**

**OSHA/HCS status**

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

**2.1. Classification of the substance or mixture**

Acute Tox. 4; H302, Harmful if swallowed.  
Skin Irrit. 2; H315, Causes skin irritation.  
Eye Irrit. 2; H319, Causes serious eye irritation.  
STOT RE 2; H373, May cause damage to organs through prolonged or repeated exposure.

**2.2. Label elements**

**▼Hazard pictogram(s):**



**▼Signal word:**

Warning

**▼Hazard statement(s):**

Harmful if swallowed. (H302)  
Causes skin irritation. (H315)  
Causes serious eye irritation. (H319)  
May cause damage to organs through prolonged or repeated exposure. (H373)

**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 dust. (P260)  
Wash hands thoroughly after handling. (P264)  
Do not eat, drink or smoke when using this product. (P270)  
Wear eye protection/protective gloves/protective clothing. (P280)

**▼Response:**

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. (P301+P312)  
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)  
If eye irritation persists: Get medical advice/attention. (P337+P313)

**Storage:**

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**Disposal:**

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



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**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.

**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
Sodium Sulfite	CAS No.: 7757-83-7	60-80%		
Sodium Erythorbate	CAS No.: 6381-77-7	15-25%	Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335	
Disodium disulphite	CAS No.: 7681-57-4	3-5%	Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318	

Where the concentration of an ingredient is expressed as a range the exact concentration has been withheld as a trade secret.

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:** If breathing is irregular, drowsiness, loss of consciousness or cramps: Call 911 and give immediate treatment (first aid).  
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 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**

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.

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

If eye irritation persists: Get medical advice/attention.

**Information to medics**

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

**SECTION 5: FIRE-FIGHTING MEASURES**

**5.1. ▼Extinguishing media**

No unusual fire or explosion hazards noted

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.

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

During fire, gases hazardous to health may be formed. Hazardous decomposition products are carbon and sulfur oxides.

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact the Poison Help Line on 1-800-222-1222 (24/7) in order to obtain further advice.

**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.

Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration.

Avoid direct contact with spilled substances.

Ensure adequate ventilation, especially in confined areas.

Contaminated areas may be slippery.



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## 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

Collect spills carefully. Moist the material with water in order to prevent the formation and propagation of dust.  
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.

May form combustible dust concentrations in air.

Take action to prevent static discharges.

Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces.

Avoid direct contact with the product.

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.

Powder trickling out onto the floor or onto other containers must be prevented.

Avoid the suspension of dust in the air.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Use non-sparking tools.

**Recommended storage material:** Keep only in original packaging.

**Storage temperature:** Dry, cool and well ventilated

**Incompatible materials:** Strong acids  
Strong oxidizing agents

## 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



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Long term exposure limit (ACGIH TLV) (mg/m<sup>3</sup>): 5 mg/m<sup>3</sup>  
Long term exposure limit (NIOSH REL) (mg/m<sup>3</sup>): 5 mg/m<sup>3</sup>

Part 1910 - Occupational Safety and Health Standards (29 CFR 1910.1000 TABLE Z-1 - Limits for Air Contaminants)

## 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:

When transferring the materials, dust clouds should be kept at an absolute minimum. Handling should be slow and deliberate. The materials should be transferred from one container to another using a non-sparking, conductive metal scoop.

When mixing the material with other dry ingredients, frictional heat should be avoided. The best type of mixer for a dry mixing operation is one that contains no moving parts, but rather affects a tumbling action, such as a conical blender. Introduction of an inert atmosphere in the blender is highly recommended since dust clouds are generated. All equipment must be well grounded.

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:

Airborne gas and dust concentrations must be kept at a minimum. Provide efficient mechanical ventilation. If not possible use suitable respiratory equipment.

It is recommended that all dust control equipment such as local exhaust ventilation contain an explosion suppression system.

Airborne gas and dust concentrations 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 emergency eyewash and showers are clearly marked.

### 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 protective equipment with a recognized certification mark, e.g. the UL mark.


### Respiratory Equipment:

Type	Class	Colour	Standards	
SL	P3	White	EN149	


**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>	Powder
<b>Colour:</b>	White
<b>Odour:</b>	None
<b>Odour threshold (ppm):</b>	Testing not relevant or not possible due to the nature of the product.
<b>pH:</b>	Not applicable - product is a solid
<b>▼pH in solution:</b>	8.2-8.3 (%)
<b>Density (g/cm<sup>3</sup>):</b>	No data available
<b>Relative density:</b>	No data available
<b>Kinematic viscosity:</b>	No data available
<b>Particle characteristics:</b>	No data available
<b>Phase changes</b>	
<b>Melting point (°F):</b>	No data available
<b>Boiling point (°F):</b>	Not applicable - product is a solid
<b>Vapour pressure:</b>	No data available
<b>▼Relative vapour density:</b>	Not applicable - product is a solid
<b>Decomposition temperature (°F):</b>	No data available



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**Evaporation rate (n-butylacetate = 100):** Not applicable - product is a solid

#### Data on fire and explosion hazards

**Flash point (°F):** Not applicable - product is a solid

**Flammability (°F):** No data available

**Auto-ignition temperature (°F):** No data available

**Explosion limits (% v/v):** Does not apply to solids.

#### Solubility

**Solubility in water:** Completely soluble

**▼n-octanol/water coefficient (LogKow):** No data available

**Solubility in fat (g/L):** Testing not relevant or not possible due to the nature of the product.

#### 9.2. Other information

**Sensitivity to shock:** No

**Formation of explosible dust/air mixtures:** Yes

**Dust explosion class:** St0 (No explosion)

**Evaporation rate (n-butylacetate = 100):** Not applicable - product is a solid

**Other physical and chemical parameters:** No data available.

**▼Oxidizing properties:** Not applicable

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

This product is stable and non-reactive under normal conditions of use, storage and transport. Hazardous polymerization does not occur.

### 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

Avoid the suspension of dust in the air.  
Extremes of temperature  
Incompatible with strong acids which may liberate Sulphur dioxide.

### 10.5. ▼Incompatible materials

Acids  
Strong oxidizing agents

### 10.6. ▼Hazardous decomposition products

Hazardous decomposition products are carbon oxides and sulphur oxides.





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## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### Acute toxicity

Harmful if swallowed.

#### ▼Skin corrosion/irritation

Prolonged skin contact may cause temporary irritation.

#### ▼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

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

#### Carcinogenicity

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

#### ▼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

May cause damage to organs through prolonged or repeated exposure.

#### Aspiration hazard

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

#### ▼Long term effects

Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

#### Other information

None known.

## SECTION 12: ECOLOGICAL INFORMATION

### 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

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

### 12.3. ▼Bioaccumulative potential

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

### 12.4. Mobility in soil

No data available.



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**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. ▼Other adverse effects**

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

**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.

**RCRA Hazardous waste ("P" and "U" list) (40 CFR 261)**

None of the components are listed

**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:
DOT	-	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 DOT, IATA and IMDG.

**14.6. Special precautions for user**

Not applicable.

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

No data available.

**SECTION 15: REGULATORY INFORMATION**

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



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or mixture

**Product registration number**

UFI: W546-PQDF-1S4N-91WC

**15.2. U.S. Federal regulations**

**TSCA (the non-confidential portion):**

Sodium Sulfite is listed  
Sodium Erythorbate is listed  
Disodium disulphite is listed

**Clean Air Act:**

None of the components are listed

**EPCRA Section 302:**

None of the components are listed

**EPCRA Section 304:**

None of the components are listed

**EPCRA section 313:**

None of the components are listed

**CERCLA:**

None of the components are listed

**State regulations**

**California / Prop. 65:**

None of the components are listed

**Massachusetts / Right To Know Act:**

Disodium disulphite is listed

**New Jersey / Right To Know Act:**

Disodium disulphite / Substance number: 1708  
Disodium disulphite is on the Special Health Hazard Substance List

**New York / Right To Know Act:**

Disodium disulphite is listed  
Disodium disulphite is regulated with a Treshold Reporting Quantity (TRQ) of: 0 pounds

**Pennsylvania / Right To Know Act:** Disodium disulphite is listed

**▼NFPA**

Health hazard: 3

Fire hazard: 0

Instability hazard: 0

**15.4. Restrictions for application**

No special.

**15.5. Demands for specific education**

No specific requirements.

**15.6. Additional information**

Not applicable.

**15.7. Chemical safety assessment**

No

**15.8. Sources**

OSHA Hazard Communication Standard (29 CFR 1910.1200)

**SECTION 16: OTHER INFORMATION**



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

- H302, Harmful if swallowed.
- 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.

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

None known.

### Abbreviations and acronyms

- ACGIH = American Conference of Governmental Industrial Hygienists
- 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
- CERCLA = Comprehensive Environmental Response Compensation and Liability Act
- DOT = Department of Transportation
- EINECS = European Inventory of Existing Commercial chemical Substances
- EPCRA = Emergency Planning and Community Right-To-Know Act
- GHS = Globally Harmonized System of Classification and Labelling of Chemicals
- HCIS = Hazardous Chemical Information System
- HNOC = Hazards Not Otherwise Classified
- IARC = International Agency for Research on Cancer
- IATA = International Air Transport Association
- 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)
- NFPA = National Fire Protection Association
- NIOSH = National Institute for Occupational Safety and Health
- OECD = Organisation for Economic Co-operation and Development
- OSHA = Occupational Safety and Health Administration
- PBT = Persistent, Bioaccumulative and Toxic
- RCRA = Resource Conservation and Recovery Act
- RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
- RRN = REACH Registration Number
- SARA = Superfund Amendments and Reauthorization Act
- SCL = A specific concentration limit.
- STEL = Short-term exposure limits
- STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
- STOT-SE = Specific Target Organ Toxicity - Single Exposure
- TSCA = The Toxic Substances Control Act
- 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



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The classification of the mixture in regard of health hazards is in accordance with the calculation methods given by HCS (29 CFR 1910.1200).

**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: US-en