

# EC Safety Data Sheet

HD-P2 DW PLATE DEVELOPER 10 L



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Date of issue / Reference  
Replaces version of / Reference

05.02.02 / J. Zauner  
14.03.01 / J. Zauner

## 1 Commercial product name and supplier

1.1	Commercial product name / designation	<b>HD-P2 DW PLATE DEVELOPER 10 L</b>
1.2	Application / use	Graphic Product (field: plate development)
1.3	Producer	Fuji Hunt Photographic Chemicals n.v., Europark Noord 21-22, B-9100 Sint Niklaas, Belgium (0032 376 00200)
1.4	Supplier	FUJI PHOTO FILM (UK) LTD, Fuji Film House; 125, Finchley Road, London NW3 6HY; Tel.: (0207) 5865900;
1.5	TOX emergency number	Technical Centre, Bedford: (01234) 373879; Please contact Local Hospital Accident & Emergency Department or GP who can contact the UK National Poisons Unit for advise.
1.6	BAG T No. (CH)	681284
1.7	Product No.	961789

## 2 Composition

2.1	Chemical characterisation	Aqueous, alkaline solution containing inorganic salts. Active ingredient: CAS No.: 1344-09-8 sodium silicate
2.2	Components	<b>Components contributing to hazard (88/379/EEC):</b> CAS Nr. : 1344-09-8 EINECS: 2156874 3 - 7 % sodium silicate (mol ratio: $1 < x \leq 1.6$ ) C: Corrosive. R34: Causes burns.
2.3	Further information	None.

## 3 Hazards identification

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## 4 First aid measures

4.1	Eye contact	Irrigate with flowing water immediately and continuously for 15 minutes. Consult medical personnel.
4.2	Skin contact	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing.
4.3	Ingestion	Consult a physician or transport to emergency facility immediately.
4.4	Inhalation	Remove to fresh air. Consult a physician.
4.5	Further information	None.

## 5 Fire-fighting measures

- 5.1 Suitable extinguishing media  
Water.  
Water fog, carbon dioxide, foam, dry chemicals.
- 5.2 Extinguishing media to avoid  
None under normal conditions.
- 5.3 Further information  
Keep containers cool by spraying with water.

## 6 Accidental release measures

Wear adequate personal protective equipment, see Section 8 (Exposure Controls/Personal Protection)  
 Spills should be contained by, and covered with suitable absorbent material and removed for disposal.  
 Dispose of according to local and national regulations.  
 Prevent from entering into soil, waterways and groundwater.

## 7 Handling and storage

- 7.1 Handling  
Avoid eye and skin contact.  
Wash thoroughly after handling.  
Wash hands and exposed skin before eating, drinking or smoking and after work.  
Use only in well ventilated area.
- 7.2 Industrial hygiene  
Avoid eye and skin contact.  
Wear suitable protective clothing, gloves and eye/face protection.  
  
Follow normal industrial hygiene standards.  
  
Do not consume or store food in the work area.
- 7.3 Storage  
Keep containers tightly closed.  
Store in a well ventilated, cool, dry area.
- 7.4 Fire- and explosion protection  
Not combustible.

## 8 Exposure controls / personal protection

- 8.1 Technical equipment  
Good general ventilation should be sufficient for most processing operations. Vent work area to ensure airborne concentrations are below the current occupational exposure limits. 10 or more room air changes per hour containing a minimum of 15% fresh air, will meet these requirements.
- 8.2 Control of threshold limits  
None established.
- 8.3 Personal protective equipment**
  - 8.3.1 Respiratory protection  
No respiratory protection needed under normal conditions.  
Good general ventilation should be sufficient.
  - 8.3.2 Hand protection  
Neoprene or butyl rubber should be effective glove materials.

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- 8.3.3 Eye protection Use chemical safety goggles.  
Eye wash fountain should be located in immediate work area.
- 8.3.4 Other Appropriate protective clothing.

## 9 Physical and chemical properties

- 9.1 Appearance liquid
- 9.2 Color colourless
- 9.3 Odour practically odourless
- 9.4 Change in physical state
- Melting point ~ 0 °C
- Boiling point ~ 100 °C
- 9.5 Density 1.057 g/cm<sup>3</sup> (20 °C)
- 9.6 Vapour pressure ----- mm Hg (21 °C)
- 9.7 Viscosity ----- cP
- 9.8 Solubility in water ----- g/l (20 °C)
- 9.9 pH-value completely soluble  
12.95 (25 °C)  
alkaline
- 9.10 Flash point ----- °C
- 9.11 Ignition temperature ----- °C
- 9.12 Explosion limits Lower: ----- vol.%  
Upper: ----- vol.%
- remark(s) None.
- 9.13 Further information None.

## 10 Stability and reactivity

- 10.1 Thermal decomposition Is stable under normal storage conditions.
- 10.2 Hazardous decomposition products In case of thermal decomposition poisonous and irritant gases/fumes can be released.
- 10.3 Hazardous reactions With strong acids.
- 10.4 Further information Keep away from flammable materials, including chemicals.

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## 11 Toxicological information

### Product Information:

LD50, oral: 2667 mg/kg Test Animal: Rats  
 LD50, dermal: N/Av Test Animal: N/Av

### 11.1 Acute Overexposure:

Primary Skin Irritation Index: N/Av N/Av  
 Primary Eye Irritation Index: N/Av N/Av

### 11.2 Further information

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### Ingredients information

CAS No.	Component	LD50 (mg/kg)	Test Animal:
1344-09-8	sodium silicate (mol ratio: 1<x<=1.6)	1280	Rats

## 12 Ecological information

Ecotox Data: N/Av  
 Chemical Fate Data: N/Av

### Ingredients information

CAS No.	Component	Fish Toxicity	Fish Organism
1344-09-8	sodium silicate (mol ratio: 1<x<=1.6)	LC50 N/Av	

## 13 Disposal considerations

Dispose of according to local and national regulations.  
 Containers must be disposed of in accordance with local regulations.

13.1 EC-Waste Code 090102  
 13.2 Origin Photographic Industry

## 14 Transport information

14.1 GGVE / GGVS Class 8 Cipher 47c  
 RID / ADR Class 8 Cipher 47c  
 UN-No. 3266  
 Tremcard 80G20-30  
 Further information Do not allow any contact with light metals - danger of corrosion.





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*The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications have not the meaning of guarantees on properties.*

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N/Av = Not available    N/Ap = Not applicable