

# EC Safety Data Sheet



HD-P2 RW PLATE DEVELOPER  
REPLENISHER 20 L

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## 1 Commercial product name and supplier

|     |                                       |   |
|-----|---------------------------------------|---|
| 1.1 | Commercial product name / designation | <b>HD-P2 RW PLATE DEVELOPER<br/>REPLENISHER 20 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.                           | 961888  |

## 2 Composition

|     |                           |  |
|-----|---------------------------|--|
| 2.1 | Chemical characterisation | Aqueous, alkaline solution containing inorganic salts.<br>Active ingredient:<br>CAS No.: 1344-09-8<br>sodium silicate  |
| 2.2 | Components                | <b>Components contributing to hazard (88/379/EEC):</b><br>CAS Nr. : 1344-09-8<br>EINECS: 2156874<br>5 - 10 % sodium silicate (mol ratio: $1 < x \leq 1.6$ )<br>CAS Nr. : 7601-54-9<br>EINECS: 2315098<br>0.5-1.5 % trisodium phosphate<br>N/Ap |
| 2.3 | Further information       | None.  |

## 3 Hazards identification

Irritating to eyes and skin.

## 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.                                  |

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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

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|       |                        |   |
|-------|------------------------|---|
| 8.3.1 | Respiratory protection | No respiratory protection needed under normal conditions.<br>Good general ventilation should be sufficient. |
| 8.3.2 | Hand protection        | Neoprene or butyl rubber should be effective glove materials.   |
| 8.3.3 | Eye protection         | Use chemical safety goggles.<br>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                  | 1.08 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)                        |
|      |                          | completely soluble                       |
| 9.9  | pH-value                 | 12.89 (25 °C)<br>alkaline                |
| 9.10 | Flash point              | ----- °C                                 |
| 9.11 | Ignition temperature     | ----- °C                                 |
| 9.12 | Explosion limits         | Lower: ----- vol.%<br>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              | None.  |

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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

Irritating to eyes and skin.

### Ingredients information

| CAS No.   | Component                             | LD50 (mg/kg) | Test Animal: |
|-----------|---------------------------------------|--------------|--------------|
| 1344-09-8 | sodium silicate (mol ratio: 1<x<=1.6) | 1280         | Rats         |
| 7601-54-9 | trisodium phosphate                   | 3,190        | 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     |               |
| 7601-54-9 | trisodium phosphate                   | 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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|       |  |  |   |
|-------|--|--|---|
| 14.2  | GGVSee<br>ADNR<br>UN-No.<br>IMDG-code page<br>EMS<br>MFAF<br>Packing group<br>Further information  | Class 8<br>Class 8<br>3266<br>----<br>8-15<br>----<br>III<br>Do not allow any contact with light metals - danger of corrosion.   |  |
| 14.3  | ICAO / IATA-GDR<br>UN-No.<br>PSN<br><br>Subsidiary risk<br>Labels<br>Packing group<br>Passenger aircraft<br>Cargo aircraft only<br>Further information | Class 8<br>3266<br>Corrosive liquid, basic, inorganic, n.o.s.<br>(contains Alkali silicates)<br>----<br>Corrosive<br>III<br>Packing Instruction 818 max. 5 L<br>Packing Instruction 820 max. 60 L<br>Do not allow any contact with light metals - danger of corrosion. |  |
| 15    | <b>Regulatory information</b>  | This product requires classification according to the criteria of the EC.  |   |
| 15.1  | UN-No.   | 3266   |   |
| 15.2  | Swiss toxicity class   | 4  |   |
| 15.3  | EC-No.   | ----   |   |
| 15.4  | Hazard symbols   | <b>Xi</b><br>   |   |
| 15.5  | Hazard designation   | Xi: Irritant. Contains sodium silicate.  |   |
| 15.6  | Risk phrases   | <b>R: 36/38</b><br>36/38 Irritating to eyes and skin.  |   |
| 15.7  | Safety phrases   | <b>S: 26</b><br>26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advise.   |   |
| 15.8  | TLV / MAK/...  | No Occupational Exposure Limits have been  |   |
| 15.9  | BVD classification   | ----   |   |
| 15.10 | VbF  | ----   |   |
| 15.11 | Further information  | None.  |   |

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## 16 Other information

The use of the preparation is restricted to professional users!

*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.*

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