

EC Safety Data Sheet



HD-P2 RW PLATE DEVELOPER
REPLENISHER 20 I

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Date of issue / Reference
Replaces version of / Reference

18.05.99 / J. Zauner
27.05.98 / Gregorovius

1 Commercial product name and supplier

1.1 Commercial product name /
designation

**HD-P2 RW PLATE DEVELOPER
REPLENISHER 20 I**

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 6JH; Tel.: (0171) 5865900;

1.5 TOX emergency number

Technical Centre, Bedford: (01234) 340040;

1.6 BAG T No. (CH)

681284

1.7 Product No.

961888

2 Composition

2.1 Chemical characterisation

Aqueous, alkaline solution containing inorganic salts.

Active ingredient:

CAS No.:

1344-09-8

sodium

silicate

2.2 Hazardous components

Components contributing to hazard (88/379/EEC):

CAS Nr. : 1344-09-8

3 - 7 % sodium silicate

EINECS: 2156874

Xi: Irritant. R38: Irritating to skin. R41: Risk of serious damage to eyes.

2.3 Further information

None.

3 Hazards identification

-

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.
- 7.3 Storage
Do not consume or store food in the work area.
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.
- 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.

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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 ³ (20 °C)
9.6	Vapour pressure	----- N/Av
9.7	Viscosity	----- N/Av
9.8	Solubility in water	---- g/l (20 °C) completely soluble
9.9	pH-value	12.89 (25 °C) alkaline
9.10	Flash point	----- °C N/Av
9.11	Ignition temperature	----- °C N/Av
9.12	Explosion limits	Lower: ----- vol.% N/Av Upper: ----- vol.% N/Av
	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.

11 Toxicological information

	<u>Product Information:</u>		
	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	None.	

Ingredients information

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CAS No.	Component	LD50 (mg/kg)	Test Animal:
1344-09-8	sodium silicate	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	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
RID / ADR

Class ----- Cipher -----
Class ----- Cipher -----

UN-No.

Tremcard

Further information

Material not classified for transport at land (road, rail, barge).

14.2 GGVSee
ADNR

Class -----
Class -----

UN-No.

IMDG-code page

EMS

MFAG

Packing group

Further information

Material not classified for transport at sea.

14.3 ICAO / IATA-GDR
UN-No.

PSN

Subsidiary risk

Labels

Packing group

Passenger aircraft

Packing Instruction ----- max. -----

Cargo aircraft only

Packing Instruction ----- max. -----

Further information

Material not classified for air transport.

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15 Regulatory information

This product does not require classification according to the criteria of the EC and the "Gefahrstoffverordnung".

15.1 UN-No.

15.2 Swiss toxicity class

4

15.3 EC-No.

15.4 Hazard symbols

15.5 Hazard designation

15.6 Risk phrases

R: -

15.7 Safety phrases

S: -

15.8 TLV / MAK/...

----- No Occupational Exposure Limits
have been established.

15.9 BVD classification

----- N/Ap

15.10 VbF

----- N/Ap

15.11 Further information

None.

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