

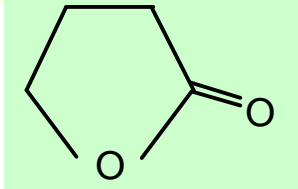
Page 1 of 6

Date of issue / Reference 25.08.98 / J. Zauner
 Replaces version of / Reference 01.03.95 / J. Zauner

1 Commercial product name and supplier

1.1	Commercial product name / designation	RP-2 PLATE IMAGE REMOVER 100 ml
1.2	Application / use	Graphic Product (field: plate development)
1.3	Producer	Fuji Photo Film Co., LTD., 26-30, Nishiazabu 2-Chome, Minato-Ku, Tokyo 106, Japan
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)	610184
1.7	Product No.	333005

2 Composition

2.1	Chemical characterisation	Preparation based on organic solvents. Active ingredient: CAS No.: 96-48-0 g-Butyrolactone	
2.2	Hazardous components	Components contributing to hazard (88/379/EEC): 60 - 80 % g-butyrolactone Xn: Harmful. R22: Harmful if swallowed. R36: Irritating to eyes. 1 - 5 % ethyleneglycol Xn: Harmful. R22: Harmful if swallowed. 0.5-1.5 % phosphoric acid C: Corrosive. R34: Causes burns.	
2.3	Further information	None.	

3 Hazards identification

Harmful if swallowed. Irritating to eyes.

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.

Page 2 of 6	Date of issue / Reference	25.08.98 /	J. Zauner
	Replaces version of / Reference	01.03.95 /	J. Zauner

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. During fire fighting operations, use face-shield, positive-pressure self-contained breathing apparatus and protective clothing.
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	Ingestion, exposure to skin and eyes and inhalation of any generated vapours should be avoided. 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	Keep away from sources of ignition. Keep away from flammable materials, including chemicals.

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 treshold limits	None established.
8.3	Personal protective equipment	

Page 3 of 6	Date of issue / Reference	25.08.98 /	J. Zauner
	Replaces version of / Reference	01.03.95 /	J. Zauner

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.

9 Physical and chemical properties

9.1	Appearance	liquid
9.2	Color	bluish
9.3	Odour	characteristic
9.4	Change in physical state	
	Melting point	~ 0 °C
	Boiling point	~ 100 °C
9.5	Density	----- N/Av
9.6	Vapour pressure	----- N/Av
9.7	Viscosity	----- N/Av
9.8	Solubility in acetone	----- g/l (20 °C)
		miscible
9.9	pH-value	1.9 (25 °C)
		acidic
9.10	Flash point	>100 °C
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 alkalies. With strong oxidisers.
10.4	Further information	None.

EC Safety Data Sheet



RP-2 PLATE IMAGE REMOVER 100 ml

Page 4 of 6

Date of issue / Reference

25.08.98 /

J. Zauner

Replaces version of / Reference

01.03.95 /

J. Zauner

11 Toxicological information

Product Information:

LD50, oral: 1400 mg/kg Test Animal: CD Rats (remote Sprague -Dawley)

LD50, dermal: N/Av Test Animal: N/Av

11.1 Acute Overexposure:

Primary Skin Irritation Index: 1.3 New Zealand White Rabbits

Primary Eye Irritation Index: Positive response New Zealand White Rabbits

11.2 Further information

None.

Ingredients information

CAS No.	Component	LD50 (mg/kg)	Test Animal:
96-48-0	g-butyrolactone	1540	Rats
9003-11-6	nonionic surfactant	N/Av.	Rats
7631-86-9	silica	N/Av.	Rats
107-21-1	ethyleneglycol	4700	Rats
7664-38-2	phosphoric acid	1530	Rats
9004-65-3	2-hydroxypropyl methyl cellulose	N/Av.	

12 Ecological information

Ecotox Data: N/Av

Chemical Fate Data: N/Av

Ingredients information

CAS No.	Component	Fish Toxicity	Fish Organism
96-48-0	g-butyrolactone	LC50 N/Av	
9003-11-6	nonionic surfactant	LC50 N/Av	
7631-86-9	silica	LC50 N/Av	
107-21-1	ethyleneglycol	LC50 N/Av	
7664-38-2	phosphoric acid	LC50 N/Av	
9004-65-3	2-hydroxypropyl methyl cellulose	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 090199

13.2 Origin Photographic Industry

EC Safety Data Sheet

RP-2 PLATE IMAGE REMOVER 100 ml



Page 6 of 6
Date of issue / Reference 25.08.98 / J. Zauner
Replaces version of / Reference 01.03.95 / J. Zauner

15.8	TLV / MAK/...	CAS-Nr.:107-21-1: ethylene glycol:1991 10ml/m3; 26 g/m3;CAS-Nr.: 7664-38-2: phosphoric acid: U.S.A. :ACGIH: 1 mg/m3;	-----
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