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1 Commercial product name and supplier

1.1	Commercial product name / designation	CL-1 PLATE CLEANER 15 X 1 I
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)	671563
1.7	Product No.	333001

2 Composition

2.1	Chemical characterisation	Aqueous solution containing organic and inorganic salts. Active ingredient: CAS No.: 7664-38-2 phosphoric acid	H₃PO₄
2.2	Hazardous components	Components contributing to hazard (88/379/EEC):	
	CAS Nr. : 64742-47-8 EINECS: 2651498	7 - 15 % distillates (petroleum) hydrotreated light	
	CAS Nr. : 68477-31-6 EINECS: 270-722-0	3 - 7 % aromatic petroleum hydrocarbon solvent	
	CAS Nr. : 7664-38-2 2316332 2316332	1 - 5 % phosphoric acid	
		C: Corrosive. R34: Causes burns.	
		Xn: Harmful. R65: Harmful: may cause lung damage if swallowed.	
		T: Toxic. R45: May cause cancer.	
2.3	Further information	Other ingredient: CAS No.: 9000-01-5 arabic gum (15-30%)	

3 Hazards identification

May cause cancer.

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	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		
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	milky white
9.3	Odour	practically odourless
9.4	Change in physical state	
	Melting point	~ 0 °C
	Boiling point	~ 100 °C
9.5	Density	----- N/Av not known
9.6	Vapour pressure	----- N/Av
9.7	Viscosity	----- N/Av
9.8	Solubility in water	----- g/l (20 °C) miscible
9.9	pH-value	2.7 (25 °C) acidic
9.10	Flash point	68 °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 alkalis.
10.4	Further information	None.

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11 Toxicological information

Product Information:

LD50, oral: > 5000 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

CAS No.	Component	LD50 (mg/kg)	Test Animal:
64742-47-8	distillates (petroleum) hydrotreated light	N/Av	
9000-01-5	arabic gum	8000	Rabbits
56-81-5	glycerin	12600	Rats
68477-31-6	aromatic petroleum hydrocarbon solvent	5000	Rats
9036-19-5	p-octylphenoxy-polyethyleneglycol	1800	Rats
7558-80-7	monobasic sodium phosphate	8290	Rats
7664-38-2	phosphoric acid	1530	Rats
10124-56-8	sodium hexametaphosphate	6200	Rats
9016-45-9	nonylphenylpolyethyleneglycol	1030	Rats
10377-60-3	magnesium nitrate	4300	Rats

12 Ecological information

Ecotox Data: N/Av

Chemical Fate Data: N/Av

Ingredients information

CAS No.	Component	Fish Toxicity	Fish Organism
64742-47-8	distillates (petroleum) hydrotreated light	N/Av N/Av	
9000-01-5	arabic gum	LC50 N/Av	
56-81-5	glycerin	LC50 N/Av	
68477-31-6	aromatic petroleum hydrocarbon solvent	LC50 N/Av	
9036-19-5	p-octylphenoxy-polyethyleneglycol	LC50 N/Av	
7558-80-7	monobasic sodium phosphate	LC50 N/Av	
7664-38-2	phosphoric acid	LC50 N/Av	
10124-56-8	sodium hexametaphosphate	LC50 N/Av	
9016-45-9	nonylphenylpolyethyleneglycol	LC50 N/Av	
10377-60-3	magnesium nitrate	LC50 N/Av	

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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

14	Transport information			
14.1	GGVE / GGVS RID / ADR	Class ---- Class ----	Cipher ---- 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 Cargo aircraft only	Packing Instruction ---- Packing Instruction ----	max. ---- max. ----	
	Further information	Material not classified for air transport.		

15	Regulatory information	This product requires classification according to the criteria of the EC.		
15.1	UN-No.	----		
15.2	Swiss toxicity class	----		
15.3	EC-No.	----		
15.4	Hazard symbols	T 		
15.5	Hazard designation	T: Toxic. Contains aromatic petroleum hydrocarbon solvent.		
15.6	Risk phrases	R: 45 45	May cause cancer.	

EC Safety Data Sheet



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15.7	Safety phrases	S: 53-45 53 Avoid exposure - obtain special instructions before use. 45 In case of accident or if you feel unwell, seek medical advise immediately (show the label where possible).
15.8	TLV / MAK/...	CAS-Nr.: 7664-38-2: phosphoric acid ----- U.S.A. ACGIH : 1 mg/m3
15.9	BVD classification	----- N/Ap
15.10	VbF	A II
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