

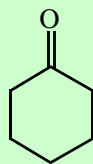
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1 Commercial product name and supplier

1.1	Commercial product name / designation	PI-2 PLATE PROTECTION INK 1 L
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 6HY; Tel.: (0207) 5865900;
1.5	TOX emergency number	Technical Centre, Bedford: (01234) 217724; 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)	-----
1.7	Product No.	333036 / 956458

2 Composition

2.1	Chemical characterisation	Aqueous solution containing organic and inorganic salts.	
	Active ingredient:		
	CAS No.:	108-94-1	
		cyclohexanone	
2.2	Components	Components contributing to hazard (88/379/EEC):	
	CAS Nr. :	7 - 15 %	arabic gum
	EINECS:		
		N/Ap	
	CAS Nr. :	5 - 10 %	glycerin
	EINECS:		
		N/Ap	
	CAS Nr. :	3 - 7 %	cyclohexanone
	EINECS:		
		Xn: Harmful. R10: Flammable. R20: Harmful by inhalation.	
	CAS Nr. :	1 - 5 %	xylene
	EINECS:		
		Xn: Harmful. R10: Flammable. R20/21: Harmful by inhalation and in contact with skin. R38: Irritating to skin.	
	CAS Nr. :	1 - 5 %	phosphoric acid
	EINECS:		
		C: Corrosive. R34: Causes burns.	
	CAS Nr. :	1 - 5 %	carbon black
		N/Ap	
	CAS Nr. :	1 - 5 %	sorbitan mono-9-octadecenoate
	EINECS:		
		N/Ap	

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CAS Nr. : 8052-42-4
 EINECS: 232-490-9

0.5-1.5 % asphalt

N/Ap

2.3 Further information None.

3 Hazards identification Flammable.

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 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.

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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 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.

9 Physical and chemical properties

9.1 Appearance liquid

9.2 Color black

9.3 Odour petroleum

9.4 Change in physical state

Melting point ~ 0 °C

Boiling point ~ 100 °C

9.5 Density 1.075 g/cm³ (20 °C)

9.6 Vapour pressure ----- mm Hg (21 °C)

9.7 Viscosity 25 cP

9.8 Solubility in water ----- g/l (20 °C)

completely soluble

9.9 pH-value 1.8 (25 °C)

acidic

9.10 Flash point 41 °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.

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10.2	Hazardous decomposition products	In case of thermal decomposition poisonous and irritant gases/fumes can be released.
10.3	Hazardous reactions	With strong oxidisers.
10.4	Further information	None.

11 Toxicological information

Product Information:

LD50, oral: > 2000 mg/kg Test Animal: Rat (Slc:Wister)
LD50, dermal: N/Av Test Animal: -----

11.1	Acute Overexposure:		
	Primary Skin Irritation Index:	N/Av	-----
	Primary Eye Irritation Index:	N/Av	-----
11.2	Further information	Flammable.	

Ingredients information

CAS No.	Component	LD50 (mg/kg)	Test Animal:
9000-01-5	arabic gum	8000	Rats
56-81-5	glycerin	12600	Rats
108-94-1	cyclohexanone	1526	Rats
1330-20-7	xylene	4300	Rats
7664-38-2	phosphoric acid	1530	Rats
1333-86-4	carbon black	N/Av	
1338-43-8	sorbitan mono-9-octadecenoate	N/Av	
8052-42-4	asphalt	N/Av	

12 Ecological information

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Ecotox Data: N/Av

Chemical Fate Data: N/Av

Ingredients information

CAS No.	Component	Fish Toxicity	Fish Organism
9000-01-5	arabic gum	LC50 N/Av	
56-81-5	glycerin	LC50 N/Av	
108-94-1	cyclohexanone	LC50 N/Av	
1330-20-7	xylene	LC50 N/Av	
7664-38-2	phosphoric acid	LC50 N/Av	
1333-86-4	carbon black	LC50 N/Av	
1338-43-8	sorbitan mono-9-octadecenoate	LC50 N/Av	
8052-42-4	asphalt	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

14 Transport information

14.1 GGVE / GGVS
RID / ADR

Class 3 Cipher 33c
Class 3 Cipher 33c



UN-No.

2924

Tremcard

30G35

Further information

During shipment, storage, installation and use, this material should not be exposed to flame or other ignition sources.

14.2 GGVSee
ADNR

Class 3.3
Class 3.3



UN-No.

2924

IMDG-code page

3346

EMS

3-02

MFAG

760

Packing group

III

Further information

During shipment, storage, installation and use, this material should not be exposed to flame or other ignition sources.

14.3 ICAO / IATA-GDR

Class 3

UN-No.

2924

PSN

Flammable liquid, corrosive, n.o.s.
(contains Cyclohexanone, Xylene)



Subsidiary risk

Corrosive

Labels

Flammable liquid & Corrosive

Packing group

III

Passenger aircraft

Packing Instruction 309

max. 5 L

Cargo aircraft only

Packing Instruction 310

max. 60 L

Further information

During shipment, storage, installation and use, this material should not be exposed to flame or other ignition sources.

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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.	2924	
15.2	Swiss toxicity class	-----	
15.3	EC-No.	-----	
15.4	Hazard symbols	-	
15.5	Hazard designation	-----	
15.6	Risk phrases	R: 10 10 Flammable.	
15.7	Safety phrases	S: -	
15.8	TLV / MAK/...	No Occupational Exposure Limits have been established.	
15.9	BVD classification	-----	
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