

EC Safety Data Sheet

GU-7 PLATE GUM 10 L



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/ -----

1 Commercial product name and supplier

1.1 Commercial product name / designation

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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)

1.7 Product No.

979179

2 Composition

2.1 Chemical characterisation

Aqueous solution.

Active ingredient:

CAS No.:

9049-76-7

Starch,
2-hydroxy-
propyl ether

2.2 Components

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

CAS Nr. : 9049-76-7

10 - 20 % 2-hydroxypropyl starch

N/Ap

CAS Nr. : 9004-53-9

1 - 5 % dextrin

N/Ap

CAS Nr. : 9000-01-5

1 - 5 % arabic gum

EINECS: 2325195

N/Ap

2.3 Further information

None.

3 Hazards identification

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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	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	

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	light yellow
9.3	Odour	practically odourless
9.4	Change in physical state	
	Melting point	~ 0 °C
	Boiling point	~ 100 °C
9.5	Density	1.0825 g/cm ³ (20 °C)
9.6	Vapour pressure	----- mm Hg (21 °C)
9.7	Viscosity	----- cP
9.8	Solubility in	----- g/l (20 °C)
9.9	pH-value	3.69 (25 °C) acidic
9.10	Flash point	----- °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.
10.2	Hazardous decomposition products	No decomposition if used properly.
10.3	Hazardous reactions	With strong alkalies.
10.4	Further information	None.

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11 Toxicological information

Product Information:

LD50, oral: >5000 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: No effect New Zealand White Rabbits

Primary Eye Irritation Index: No effect New Zealand White Rabbits

11.2 Further information

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Ingredients information

CAS No.	Component	LD50 (mg/kg)	Test Animal:
9049-76-7	2-hydroxypropyl starch	218	Rats
9004-53-9	dextrin	N/Av.	
9000-01-5	arabic gum	8000	Rats
9004-32-4	carboxymethylcellulose (sodium salt)	>3000	Mice

12 Ecological information

Ecotox Data: N/Av

Chemical Fate Data: N/Av

Ingredients information

CAS No.	Component	Fish Toxicity	Fish Organism
9049-76-7	2-hydroxypropyl starch	LC50 N/Av	
9004-53-9	dextrin	LC50 N/Av	
9000-01-5	arabic gum	LC50 N/Av	
9004-32-4	carboxymethylcellulose (sodium salt)	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 UN-No. Tremcard Further information	Class ----- Class ----- ----- ----- Material not classified for transport at land (road, rail, barge).	Cipher ----- Cipher -----	
14.2	GGVSee ADNR UN-No. IMDG-code page EMS MFAG Packing group Further information	Class ----- Class ----- ----- ----- ----- ----- ----- 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 Further information	----- ----- ----- ----- ----- ----- ----- Packing Instruction ----- Packing Instruction ----- Material not classified for air transport.	max. ----- max. -----	

15 Regulatory information

15.1	UN-No.	-----	
15.2	Swiss toxicity class	-----	
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	

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15.9	BVD classification	-----	
15.10	VbF	-----	
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