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1 Commercial product name and supplier

1.1	Commercial product name / designation	GU-7 PLATE GUM 16 X 1 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)	N/Av
1.7	Product No.	941385

2 Composition

2.1	Chemical characterisation	Aqueous solution. Active ingredient: CAS No.: 9049-76-7 Starch, 2-hydroxy-propyl ether
2.2	Hazardous components	None.
2.3	Further information	Other ingredient: 2-hydroxypropyl starch (CAS-Nr.: 9049-76-7) (15-20 %)

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.

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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 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. |
| 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	1.087 g/cm ³ (20 °C) not known
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	3.5 (25 °C) acidic
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	No decomposition if used properly.
10.3	Hazardous reactions	With strong alkalies.
10.4	Further information	None.

EC Safety Data Sheet



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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

None.

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	Rabbits
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		
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

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

UN-No.

Tremcard

Further information

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

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14.2	GGVSee	Class	----		
	ADNR	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.			

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	frei/free/libre			
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