



**FICHE TECHNIQUE
TECHNICAL DATA SHEET**

Updated April 2007



Outdoor use



Indoor use



Surface engraving



Subsurface engraving
(2 références)



Rotary engraving



Laser engraving

Composition : Acrylique modifié
Format : 1220x610mm (±2%)
Epaisseur : 0,5 et 1,6mm
Aspect : Mat
Couleurs : Voir Catalogue
(28 couleurs différentes)

Composition : Acrylic modified
Sheet Size : 1220x610mm (±2%)
Thickness : 0.5 and 1.6mm
Finish : Matt
Colours : See Catalogue
(28 different colours)

COUPE DU PRODUIT

CROSS SECTION

Couleur surface Pigment
qqes œm
Couleur écriture, base PMMA
Variable selon épaisseur



Surface colour Pigment
a few œm
Sript colour, PMMA base
variable according to thickness.

Caractéristiques principales

Cisaille	⊗*	⊗	Scie
Sérigraphie	⊗	⊗	Marquage à chaud
Résistance à la rayure		⊗*	Flexible
Résistance à la cassure		⊗	Résistance aux UV
Température mini	-40°C	80°C	Température maxi
Classement au feu	M4	⊗	Isolant électrique

* Pour l'épaisseur 0,5 mm uniquement
➡ Manipuler avec gants et lunettes

Profondeur de gravure : 0,1 mm

Stockage : Local abrité, à plat.

Protection : 1 face

(sauf pour les références en gravure envers)

Techniques de fixation : Fixation mécanique ou adhésive double face.

Main characteristics

Shear	⊗*	⊗	Saw
Silk screen	⊗	⊗	Hot stamp
Scratch resistant		⊗*	Flexible
Break resistant		⊗	UV Resistant
Min temperature	-40°C	80°C	Max temperature
Fire calssification	M4	⊗	Electrical insulator

* Only for 0.5 mm thickness
➡ Use gloves and glasses.

Engraving depth: 0.1mm

Storage: Sheltered location, lay flat

Protection: 1 side

(except for subsurface engraving references)

Fixing techniques: Mechanical fixing or double-sided adhesive.

« Les renseignements donnés sur cette fiche produit sont basés sur l'état de la connaissance relative au produit à la date de mise à jour de cette fiche. Ils sont donnés de bonne foi. L'attention des utilisateurs est attirée sur les risques éventuellement encourus lorsqu'un produit est utilisé à d'autres usages que ceux pour lesquels il est conçu. »

« The information given on this data sheet is based on the knowledge of the product concerned when this sheet was updated. It is given in good faith. We draw the attention of the users on the possible risks incurred if a product is used for an application other than the ones it was designed for. »



SAFETY DATA SHEET

1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance or preparation:

Name: GRAVOPLY ULTRA.
Product code: GRAV 029.

Company/undertaking identification:

Registered company name: GRAVOTECH MARKING SAS.
Address: 56, avenue Jean Jaurès.10600.La Chapelle Saint Luc.France.
Telephone: +33 (0)3 25 41 65 65. Fax: +33 (0)3 25 79 04 25.
e-mail : info@gravograph.fr
http://www.gravograph.com

Emergency telephone: +33 (0)1 45 42 59 59.

Association/Organisation: INRS / ORFILA http://www.centres-antipoison.net.

2 - HAZARDS IDENTIFICATION

This product is not classified as flammable. Refer to the recommendations regarding the other products present on the site
May produce an allergic reaction.

3 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 3: see section 16.

Hazardous substances present on their own:

(present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state)
This preparation contains no hazardous substance in this category.

Other substances representing a hazard:

No known substance in this category present.

Substances present at a concentration below the minimum danger threshold:

INDEX	CAS	EC	Name	Symb.	R:	%
603-095-00-2	2807-30-9	220-548-6	2-(PROPYLOXY)ETHANOL	Xn	36 21	1 ≤ x % < 2.5
606-010-00-7	108-94-1	203-631-1	CYCLOHEXANONE	Xn	10 20	1 ≤ x % < 2.5

Other substances with occupational exposure limits:

No known substance in this category present.

May produce an allergic reaction:

INDEX	CAS	EC	Name	Symb.	R:	%
607-035-00-6	80-62-6	201-297-1	METHYL METHACRYLATE	Xi F	11 37/38 43 Note(s): D	0 ≤ x % < 1

4 - FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.
NEVER induce swallowing in an unconscious person.

In the event of exposure by inhalation:

In the event of inhalation, move patient to the open air. Keep warm and at rest.
If breathing is irregular or has stopped, proceed with artificial respiration and seek medical attention.

In the event of splashes or contact with eyes:

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.
If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin:

Wash the skin thoroughly with soap and water or a recognised cleaner.

5 - FIRE-FIGHTING MEASURES

Cool product.

Suitable extinguishing media:

In the event of fire, use specifically suitable extinguishing agents.

6 - ACCIDENTAL RELEASE MEASURES

Personal precautions:

Consult the safety measures listed under headings 7 and 8.

Environmental precautions:

Prevent any material from entering drains or waterways.

Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

Methods for cleaning up:

Clean preferably with a detergent, do not use solvents.

7 - HANDLING AND STORAGE

The regulations relating to storage premises apply to workshops where the product is handled.

Fire prevention:

Prevent access by unauthorised personnel.

Recommended equipment and procedures:

For personal safety, see §8.

Observe precautions stated on label and also industrial safety regulations

Prohibited equipment and procedures:

Smoking, eating and drinking are prohibited in premises where the preparation is used

Never open the packages under pressure

Storage:

Keep the container tightly closed in a dry place.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Use personal protection equipment as per Directive 89/686/EEC.

Exposure limit values per INRS ED 984:

~~VLEI (ppm):~~

~~80 (D)-6~~

~~10 (D)-1~~

Exposure limit values per 2009/161/EU, 2006/15/CE, 2000/39/EC and 98/24/EC:

~~VLEI (ppm):~~

~~80 (D)-6~~

~~10 (D)-1~~

Exposure limit values (2003-2006):

~~0.2 (D)mg/m³~~

~~150 (D)ppm~~

~~120 (D)ppm~~

~~0.2 (D)mg/m³~~

~~150 (D)ppm~~

~~120 (D)ppm~~

~~VLEI (ppm):~~

~~80 (D)-6~~

~~10 (D)-1~~

~~28 (D)-9~~

~~General MgdW~~

~~250 (D)mg/m³~~

~~200 (D)mg/m³~~

2807-30-9	20 ml/m3	86 mg/m3	2(l)	DFG, H, Y	
ACGIH/TLV	TWA:	STEL:	Ceiling:	Definition:	Criterion:
80-62-6	50 ppm	100 ppm	-	-	-
108-94-1	20 ppm	50 ppm	-	-	-

Hand protection:

Type of gloves recommended :

- Butyl rubber
- Neoprene

Skin protection:

For further information, see § 11 of S.D.S. - Toxicological information.

9 - PHYSICAL AND CHEMICAL PROPERTIES**General information:**

Physical state:	solid
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Important health, safety and environmental information:

pH of the substance or preparation:	not relevant.
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The pH is impossible to measure or its value is not relevant.

Flash point interval:	not relevant.
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Vapour pressure:	not relevant.
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Density:	> 1
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Density:	1.15 - 1.19
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Water solubility:	Insoluble.
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Other information:

Self-ignition temperature:	393 °C.
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10 - STABILITY AND REACTIVITY

The preparation is stable at the handling and storage conditions recommended per § 7 of the safety data sheet,

Materials to avoid:

N/A

11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

Other data:

CAS 108-94-1 : IARC Group 3: The agent is not classifiable as to its carcinogenicity to humans.

CAS 80-62-6 : IARC Group 3: The agent is not classifiable as to its carcinogenicity to humans.

12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

The product must not be allowed to run into drains or waterways.

Other adverse effects:

Germany: WGK 1 (VwVwS vom 27/07/2005, KBws)

13 - DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

Waste:

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

14 - TRANSPORT INFORMATION

Exempt from transport classification and labelling.

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2009 - IMDG 2008 - ICAO/IATA 2009).

15 - REGULATORY INFORMATION

Classification by:

So called 'all preparations' Directive 1999/45/EC and its adaptations.

EC regulation 1272/2008 (CLP) and its adaptations (EC regulation 790/2009).

Contains:

Contains 201-297-1	METHYL METHACRYLATE. May produce an allergic reaction.
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Particular provisions:

Germany: WGK 1 (VwVwS vom 27/07/2005, KBws)

16 - OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

Full text of risk phrases appearing in section 3:

R 10	Flammable.
R 11	Highly flammable.
R 20	Harmful by inhalation.
R 21	Harmful in contact with skin.
R 36	Irritating to eyes.
R 37/38	Irritating to respiratory system and skin.
R 43	May cause sensitisation by skin contact.