

KRION® LUX
Ref. FDS0000en

Version 1 - Revision 29/06/2012
Cancel & replaces: Not applicable

KRION® LUX

01 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name: KRION® LUX
Description: Product mainly composed of mineral fillers and a small percentage of resin.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Used to make: washbasins, baths, countertops, furniture, sheets for covering surfaces, etc.

1.3 Details of the supplier of the safety data sheet

Company: SYSTEMPOOL S.A.
Ctra. Villarreal - Puebla de Arenoso (CV-20), Km. 1 - P.O./Box 372
12540 Villarreal (Castellón) SPAIN
www.krion.com - krion@krion.com / www.system-pool.com - system-pool@system-pool.com
Telephone / Fax: (+34) 964 50 64 64 / (+34) 964 50 64 81

1.4 Emergency telephone number

(+34) 91 562 04 20 24 hrs

02 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not applicable

2.2 Other hazards

No acute or chronic health-related or environmental effects derived from handling the product are known unless they involve temperatures of over 130°C (266°F). During cutting and polishing operations, if temperatures of 130°C (266°F) or over are reached, this may give rise to some degradation products.

03 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS no.	EC no.
Aluminium hydroxide	21645-51-2	244-492-7
Polymethyl methacrylate	9011-14-7	-

Degradation products through exposure to heat	CAS no.	EC no.
Methyl methacrylate	80-62-6	201-297-1
Xylene	95-47-6	202-422-2

04 FIRST AID MEASURES

4.1 Description of first aid measures

No acute or chronic health-related or environmental effects derived from handling the product are known unless they involve temperatures of over 130°C (266°F). During cutting and polishing operations, if temperatures of 130°C (266°F) or over are reached, this may give rise to some degradation products. Consult a doctor and show them this Safety Data Sheet.

4.1.1 In the event of the inhalation of dust/vapours

Move the affected person into the open air. Keep them warm and at rest. If they do not breath, do so irregularly, or stop breathing, artificial respiration should be given or oxygen administered by a skilled professional. Loosen any tight clothes like belts or waistbands. If the person is unconscious, place them in a safe position. Consult a doctor.

4.1.2 In the event of contact between the skin and dust/vapours

Rinse the skin with plenty of water or shower. Consult a doctor if the irritation persists. Take off any contaminated clothing and wash it thoroughly before using it again. In the event of a cut, proceed accordingly depending on how serious it is.

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04 FIRST AID MEASURES

4.1.3 In the event of contact between the eyes and dust/vapours

Rinse the eyes with plenty of water for at least 10 minutes (take out contact lenses if this can easily be done). Consult a doctor if the irritation persists.

4.1.4 In the event of the ingestion of dust

Do not administer anything orally if the person is unconscious. Rinse out the mouth. The product is not toxic and it is not retained in the intestinal tract. Consult a doctor in the event of discomfort.

05 FIREFIGHTING MEASURES

5.1 Extinguishing media

Appropriate: All extinguishing agents are permitted. Adapt measures to meet the conditions of surrounding areas.
Inappropriate: -

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products: From 130 °C (266 °F), methyl methacrylate and xylene might be released. These can break down from 400 °C (752 °F) or 500 °C (932 °F).

5.3 Advice for firefighters

Take fire-fighting measures in keeping with the circumstances of the premises and its surroundings.

5.4 Additional information

Non-flammable product. B: Combustible. Very limited contribution to fire.
Fire-resistance category: s1: Low smoke opacity, speed of propagation and total smoke production.
Euroclass B-s1, d0 d0: No fall of flaming droplets.

06 ACCIDENTAL RELEASE MEASURES

6.1 Methods and material for containment and cleaning up

If dust is released, clear it up carefully, using suction methods, and put it in a correctly identified, sealable recipient for it to be recycled or disposed of. Afterwards, ventilate and clean the affected area.

07 HANDLING AND STORAGE

The measures described here refer to cutting and rectifying processes and other ones that might involve the generation of dust / vapour.

Read the safety instructions in the manual for KRION[®] processors.

7.1 Precautions for safe handling

7.1.1 Protective measures

General measures: Work area: Make sure that the work area is well ventilated. Methods should be used that avoid the generation of dust. If this cannot be avoided, make sure that there is a localized extraction system or handle the material in a closed system. (Personal protection: See point 8.2.2).
Fire-prevention method: The product is not flammable. Take normal fire prevention measures.

7.1.2 General occupational hygiene advice

Do not eat, drink or smoke in work areas. Avoid inhaling dust. Keep the work area clean.

7.2 Conditions for safe storage, including any incompatibilities

The product does not need to be kept in specific conditions to guarantee safe storage. Neither is it incompatible with other stored products.

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08 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational exposure limits

Product components						
Chemical name	CAS no.	EC no.	Type	Control parameters	Update	Basis
Aluminium hydroxide	21645-51-2	244-492-7	VLA-ED [®]	-	2012	VLA (ES)
			VLA-EC [®]	-	2012	VLA (ES)
Polymethyl methacrylate	9011-14-7	-	VLA-ED [®]	-	2012	VLA (ES)
			VLA-EC [®]	-	2012	VLA (ES)

Degradation products through exposure to heat						
Chemical name	CAS no.	EC no.	Type	Control parameters	Update	Basis
Methyl methacrylate	80-62-6	201-297-1	VLA-ED [®]	50 ppm	2012	VLA (ES)
			VLA-EC [®]	100 ppm	2012	VLA (ES)
Xylene	95-47-6	202-422-2	VLA-ED [®]	50 ppm	2012	VLA (ES)
			VLA-EC [®]	100 ppm	2012	VLA (ES)

VLA-ED: Daily environmental exposure limit

VLA-EC: Short environmental exposure limit

Professional exposure limits for chemical agents in Spain 2012, National Institute for Occupational Health & Safety, Spanish Ministry of Labour & Immigration (Madrid 2012).

8.2 Control parameters

Read the safety instructions in the manual for KRION[®] processors.

8.2.1 Appropriate technical controls

Make sure that the work area is well ventilated. It is advisable to use methods that avoid the generation of dust. If this cannot be avoided, make sure you have a localized extraction system or handle the material in a closed system.

8.2.2 Personal protection

Specific protective equipment must be chosen to meet the needs of each specific job and corresponding concentrations of dust. Consult the supplier to find out the appropriate type of IPE to suit each specific case.

- Eye and face protection:** Safety goggles.
- Protection for the hands:** Suitable protective gloves.
- Skin protection:** Wear suitable protective clothing.
- Respiratory protection:** In the event of inadequate ventilation, use appropriate breathing equipment.

09 PHYSICAL AND CHEMICAL PROPERTIES

A) Appearance:

- Physical state: Solid.
- Colour: Variable.
- Odour: Odourless.

B) Flash point: Non flammable.

C) Density: 1,6 - 1,8 g/cm³

D) Decomposition temperature: From 130 °C (266 °F) degradation products will start to be released.

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10 STABILITY AND REACTIVITY

10.1 Stability and reactivity

Stable under recommended conditions of use and storage.

10.2 Conditions to avoid

Temperatures of over 130 °C (266 °F) and the generation of dust.

10.3 Incompatible materials

-

10.4 Hazardous decomposition products

10.4.1 Classification in accordance with (EC) Regulation no. 1272/2008 [CLP]

Methyl methacrylate **(CAS 80-62-6)**

Flam. Liq. 2
STOT SE 3
Skin Irrit. 2
Skin Sens. 1



DANGER

H225: Highly flammable liquid and vapour.
H335: May cause respiratory irritation.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.

Xylene **(CAS 95-47-6)**

Flam. Liq. 3
Acute Tox. 4
Acute Tox. 4
Skin Irrit. 2



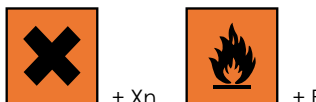
WARNING

H226: Flammable liquid and vapour.
H332: Harmful if inhaled.
H312: Harmful in contact with skin.
H315: Causes skin irritation.

10.4.2 Classification in accordance with Directive 67/548/EEC

Methyl methacrylate

F; R11 - Xi; R37/38 - R43
R11 : Highly flammable.
R37/38 : Irritating to respiratory system and skin.
R43 : May cause sensitisation by skin contact.



+ Xn + F

Xylene

R10 - Xn; R20/21 - Xi; R38
R10 : Flammable.
R20/21 : Harmful by inhalation and in contact with skin.
R38 : Irritating to skin.



+ Xn

11 TOXICOLOGICAL INFORMATION

The product is not known to have any adverse effects on human health when intact.

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12 ECOLOGICAL INFORMATION

No adverse environmental effects are known.

13 DISPOSAL CONSIDERATIONS

13.1 Product

Can be disposed of as groundfill, whenever local regulations allow this.

European legislation: Directive 2008/98/EC of the European Parliament and Council of November 19th 2008 on waste, by virtue of which certain directives are repealed (OJEU L 312 of 22/11/2008).

National legislation: Act 22/2011 of 28/07/2011 on waste and contaminated soil (BOE of 29/07/2011).

13.2 Packaging

The cardboard boxes can be delivered to local recycling points.

European legislation: Directive 94/62/EC of the European Parliament and Council of December 20th 1994 on packaging and waste packaging (OJEU L 365 of 31/12/1994).

National legislation: Act 11/1997 of April 24th on packaging and waste packaging (BOE 99 of 25/04/1997).

Royal Decree 782/1998 of April 30th, by virtue of which the Regulation is passed for the development and execution of Act 11/1997 of April 24th on packaging and waste packaging (BOE 104 of 01/05/1998).

14 TRANSPORT INFORMATION

Non-hazardous goods, in accordance with international land, sea and air transport criteria.

15 REGULATORY INFORMATION

There are no additional specifications for this product.

16 OTHER INFORMATION

DISCLAIMER. The information in this Data Sheet was obtained from sources that we consider to be reliable. Notwithstanding this, the information is supplied with no express or implicit guarantee of its exactitude. The conditions or methods of the product's handling, storage, use or disposal are beyond our control and probably also beyond our knowledge. For this and other reasons, we cannot be held liable and rule out responsibility for any loss, harm or expense caused by or relating in any way to the product's handling, storage, use and disposal. This Data Sheet was expressly drafted and must only be used for this product. If the product is used as a component of another product, this information might not be applicable.

Changes with regard to previous version: Not applicable.

16.1 Abbreviations

BOE: Boletín oficial del estado (Official Spanish State Gazette)
EC: European Community
CAS: Chemical Abstracts Service
OJEU: Official Journal of the European Union
IPE: Individual protective equipment

