

Safety data sheet

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according to 1907/2006/EC, Article 31

SECTION 1 : Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

1.2 Trade name: Lusterseal

CAS Number: 1330-20-7
EC number: 215-535-7

- **Index number:** 601-022-00-9
- **Registration number** 01-2119488216-32
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available

Application of the substance / the mixture
Coating of concrete surfaces, block paving, slabs

- **Uses advised against** Food contact, additive.

· **1.3 Details of the supplier of the safety data sheet**

- **Supplier**
: Concrete Patterning Supplies Limited,
Pearson Street,
Wolverhampton
, WV2 4HP
tel +44(0)1902 310355 email: info@creteprint.com
- Further information obtainable from: Contact us at the above office.
- Emergency telephone number: Contact us as above (Not 24 hours)

SECTION 2 : Hazards identification

2.1 Classification of the substance or mixture

- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 3 H226 Flammable liquid and vapour.



GHS08 health hazard

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STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure. Asp. Tox. 1
H304 May be fatal if swallowed and enters airways



GHS07

Acute Tox. 4 H312 Harmful in contact with skin.

Acute Tox. 4 H332 Harmful if inhaled.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

STOT SE 3 H335 May cause respiratory irritation.

• 2.2 Label elements

• Labelling according to Regulation (EC) No 1272/2008

The substance is classified and labelled according to the CLP regulation.

• Hazard pictograms



GHS02



GHS07



GHS08

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· **Signal word** Danger

· **Hazard statements**

H226 Flammable liquid and vapour.

H312+H332 Harmful in contact with skin or if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

· **Precautionary statements**

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P243 Take precautionary measures against static discharge.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P321 Specific treatment (see on this label).

P331 Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P362+P364 Take off contaminated clothing and wash it before reuse.

P403+P235 Store in a well-ventilated place. Keep cool.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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Trade name: Lusterseal

SECTION 3: Composition/information on ingredients

• 3.1 Chemical characterisation: Substances

• CAS No. Description

1330-20-7 xylene

• Identification number(s)

• EC number: 215-535-7

• Index number: 601-022-00-9

All other ingredients do not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

SECTION 4: First aid measures

• 4.1 Description of first aid measures

• General information:

Immediately remove any clothing soiled by the product. If liquid has completely soaked through garments to skin, wash skin thoroughly with mild soap and water. Treat soaked clothing as hazardous waste and observe all precautions for the substances.

Symptoms of poisoning may even occur after several hours; therefore, medical observation for at least 48 hours after the incident.

• **After inhalation:** Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

Seek immediate medical advice.

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• After skin contact:

Immediately wash with water and soap and rinse thoroughly. Remove contaminated clothing. Dispose of contaminated clothing as hazardous waste. Observe precautions.

Repeated skin contact may result in irritation and dermatitis. Always wear protective gloves suitable for this product.

• After eye contact:

Rinse opened eye for at least 15 minutes under clean running water. Remove contact lenses if possible. Seek immediate medical advice.

Continue to irrigate the eye with clean water.

• After swallowing:

Do NOT induce vomiting; rinse mouth with water, call for medical help immediately.

• 4.2 Most important symptoms and effects, both acute and delayed

Headache

Dizziness

Nausea

• 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

• 5.1 Extinguishing media

• Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with aqueous film forming (AFFF). Cool containers with water spray.

• For safety reasons unsuitable extinguishing agents:

Water with full jet

• 5.2 Special hazards arising from the substance or mixture

Carbon monoxide (CO), carbon dioxide, methyl methacrylate, n-butyl methacrylate, methacrylic acid, if incomplete combustion.

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• 5.3 Advice for firefighters

• Protective equipment:

Respiratory protective device.

Wear self-contained respiratory protective device.

• Additional information

Cool endangered receptacles with water spray.

Collect contaminated firefighting water separately. It must not enter the sewage system.

Keep sources of ignition away - flammable liquids and vapours.

SECTION 6: Accidental release measures

• 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Keep away from ignition sources.

Wear protective clothing.

• 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

• 6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

Send for recovery or disposal in suitable receptacles - may need to be UN approved.

Urgent consideration should be given to blanketing spillage with AFFF Foam Spray to seal from sources of ignition as a precautionary measure.

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• 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information

SECTION 7: Handling and storage

• 7.1 Precautions for safe handling

Store in cool, dry place in tightly closed receptacles.

Ensure good ventilation/exhaustion at the workplace.

Take note of emission threshold.

Use only in well ventilated areas.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

• Information about fire - and explosion protection:

Keep ignition sources away - no naked sparks/flames/fires. Ensure electrical equipment is protected to correct Zone rating (DSEAR Assessed)

Protect against electrostatic charges. Where required - ensure bonding and earthing of containers and process equipment.

Static generation and accumulation may be increased when using fine filters, strainers, mixing with powders and immiscible liquids, high energy/speed mixers. Take extra precautions. Allow static relaxation time for charges to dissipate before next steps. Do not splash fill.

Refer to IEC/TS 60079-32-1: Electrostatic hazards, guidance.

Refer to NFPA 77: Recommended Practices on Static Electricity

Do not spray onto a naked flame, hot surfaces, electrical switchgear, live/battery connected electrics, or near to any potential sources of ignition.

Flammable gas-air mixtures may form in empty receptacles. Wear shoes with conductive soles.

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· 7.2 Conditions for safe storage, including any incompatibilities ·

Storage:

· Requirements to be met by storerooms and receptacles:

Store in a cool location.

Provide solvent resistant, sealed floor.

Prevent any seepage into the ground.

Provide ventilation for receptacles.

Use only receptacles specifically permitted for this substance/product.

Unsuitable material for receptacle: aluminium.

Store in area marked with EX signs under Dangerous Substances and Explosive Atmosphere Regs. Follow HSE guidance for storage of flammable substances.

Flameproof/explosion proof electrical equipment must be used (ATEX Regulations)

Only store in suitable bunded storage areas. Do not store plastic IBC's with metal drums of other flammable substances.

· Information about storage in one common storage facility:

Do not store together with alkalis (caustic solutions).

Store away from oxidising agents.

· Further information about storage conditions:

Keep container tightly sealed.

Store receptacle in a well-ventilated area. You are recommended to refer to HSE publications HSG51 - The Storage of Flammable Liquids in Containers; and HSG140 - The Safe Use and Handling of Flammable Liquids, for more detailed understanding of the practices to be adhered to.

Composite plastic IBC's risk sudden and total loss of product in event of fire. Ensure bunded areas are adequate.

Ideally, do not store composite plastic IBC's with other packaged flammable goods.

· **7.3 Specific end use(s)** No further relevant information available.

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SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **8.1 Control parameters** ·

Ingredients with limit values that require monitoring at the workplace:

1330-20-7 Xylene, mixture of isomers

REACH Reg. No. 01-2119488216-32

WEL Short-term value: 441 mg/m³, 100 ppm

Long-term value: 220 mg/m³, 50 ppm

Sk; BMGV ·

Additional information: The lists valid during the making were used as basis. ·

8.2 Exposure controls ·

Personal protective equipment: ·

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

Avoid alcohol consumption while working with the product.

• **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective

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• Protection of hands:



Protective gloves

Solvent resistant gloves. Use gloves approved to BS EN 374 : Protective Gloves against Chemicals. Chemical Resistant Gloves, class 4 or higher for prolonged exposure.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Durability and suitability of glove material is usage dependent. We recommend advice from an experienced glove supplier.

Always wear gloves with clean hands. Contaminated gloves should always be replaced.

• **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

• **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Ideally a breakthrough time of >480 minutes is recommended, but >240 minutes should be viewed as minimum for continuous contact.

• **Eye protection:**



Tightly sealed goggles or equivalent eyewear. Approved to EN166 Standard.

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• Body protection:

Protective work clothing, ideally with anti-static properties - especially if a DSEAR risk assessment warrants this type of clothing.

SECTION 9: Physical and chemical properties

• 9.1 Information on basic physical and chemical properties

• General Information

• Appearance:

Form: Liquid

Colour: Colourless (Aged product may darken depending upon storage conditions and time period)

• **Odour:** Characteristic

• Change in condition

Melting point/freezing point: -34 °C

Initial boiling point and boiling range: 137 °C

• **Flash point:** 30 °C

• **Ignition temperature:** 500 °C

• **Explosive properties:** Product is not explosive. However, formation of explosive air/ vapour mixtures is possible.

• Explosion limits:

Lower: 1.1 Vol %

Upper: 7 Vol %

• **Vapour pressure at 20 °C:** 6.7-8.2 hPa

• **Density at 20 °C:** 0.866 - 0.870 g/cm³

• **Solubility in / Miscibility with**

water at 20 °C:

0.2 g/l

Not miscible or difficult to mix.

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• Viscosity:

Dynamic at 20 °C:

0.61 mPas

• 9.2 Other information

No further relevant information available.

SECTION 10: Stability and reactivity

• **10.1 Reactivity** No further relevant information available.

• **10.2 Chemical stability**

• **Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications and industry good practice.

• **10.3 Possibility of hazardous reactions** No dangerous reactions known.

• **10.4 Conditions to avoid**

Avoid splash discharge/filling due to static ignition risk.

Sources of Ignition, (sparks, flames, static discharges, hot surfaces)

• **10.5 Incompatible materials:** Acids, strong oxidising agents, strong alkalis.

• **10.6 Hazardous decomposition products:** Carbon monoxide if incomplete combustion.

SECTION 11: Toxicological information

• **11.1 Information on toxicological effects**

• **Acute toxicity**

Harmful in contact with skin or if inhaled.

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· **LD/LC50 values relevant for classification:**

Oral LD50 4300 mg/kg (rat)

Dermal LD50 2000 mg/kg (rabbit)

· **Primary irritant effect:**

· **Skin corrosion/irritation**

Causes skin irritation.

· **Serious eye damage/irritation**

Causes serious eye irritation.

· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

· **Germ cell mutagenicity** Based on available data; the classification criteria are not met.

· **Carcinogenicity** Based on available data, the classification criteria are not met.

· **Reproductive toxicity** Based on available data; the classification criteria are not met.

· **STOT-single exposure**

May cause respiratory irritation.

· **STOT-repeated exposure**

May cause damage to organs through prolonged or repeated exposure.

· **Aspiration hazard**

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

· **12.1 Toxicity**

· Aquatic toxicity: No further relevant information available.

· **12.2 Persistence and degradability** This product is non-biodegradable in soil and water.

· **12.3 Bioaccumulative potential** No further relevant information available.

- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**

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Trade name: Lusterseal

• **General notes:**

Water hazard class 2 (German Regulation) (Assessment by list): hazardous for water.

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

• **12.5 Results of PBT and vPvB assessment**

• **PBT:** Not applicable.

• **vPvB:** Not applicable.

• **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

• **13.1 Waste treatment methods**

• **Recommendation**

Must not be disposed together with household refuse. Do not allow product to reach sewage system.

• **European waste catalogue** Refer to our office for EWC codes for disposal of used solvent. ·

Uncleaned packaging:

• **Recommendation:**

Waste Solvent Disposal must be made according to official regulations. Refer to Hazardous Waste Regulations 2005. Requires movement under Consignment note by licensed waste carrier .

Empty contaminated packaging's thoroughly. They may be recycled after thorough and proper cleaning. Please contact us if you wish to return your used packaging (205litre and IBC's only). Containers to be scrapped as waste must be cleaned so that no hazardous substances remain, otherwise uncleaned containers containing residue for scrap will need to be consigned as hazardous waste as per WM3.

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SECTION 14: Transport information

• 14.1 UN-Number

• ADR, IMDG, IATA UN1263

• 14.2 UN proper shipping name Paint product (contains xylene)

• ADR 1307 XYLENES

• IMDG, IATA XYLENES

• 14.3 Transport hazard class(es)

• ADR, IMDG, IATA



• Class 3 Flammable liquids.

• Label 3

• 14.4 Packing group

• ADR, IMDG, IATA III

• 14.5 Environmental hazards: Not applicable.

• 14.6 Special precautions for user Warning: Flammable liquids.

• Danger code (Kemler): 30

• EMS Number: F-E,S-D

• Stowage Category A

• 14.7 Transport in bulk according to Annex II of

Marpol and the IBC Code Not applicable.

• Transport/Additional information: ·

ADR

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Trade name: Lusterseal

· Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000

ml · Transport category

3

· Tunnel restriction code

D/E

· IMDG

· Limited quantities (LQ)

5L

· Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000

ml · UN "Model Regulation":

UN 1307 XYLENES, 3, III

SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 40

· National regulations:

· Other regulations, limitations and prohibitive regulations

All components are listed or exempt in following countries:

AUS

CA

CHINA

JPN

MALAYSIA

NZ

PHILIPINES

RO KOREA

TAIWAN

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Trade name: Lusterseal

• **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried

SECTION 16: Other information

This safety data sheet was prepared in accordance with EU Regulation (EU) No 830/2015

Date of preparation 23 September 2019

The following sections contain revisions or 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16

New statements

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. The information contained in this SDS does not constitute a risk assessment and should not replace the user's own assessment of risks as required by other health and safety legislation.

• **Relevant phrases** None

• **Training hints**

Make users aware of the contents of this document and train according to use and risks within your operation.

• **Department issuing SDS:** Product safety department.

• **Contact:** Sales Office in the first instance.

• **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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Trade name: Lusterseal

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 3: Flammable liquids – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1