

SAFETY DATA SHEET

according to Regulation (EC) No. 830/2015

GLASS ADHESION PROMOTER

Version 1.10

Revision Date 28.01.2019

Print Date 04.02.2019

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

1.1 Product identifier

Trade name : GLASS ADHESION PROMOTER
Product code : L0090830
Substance No. : 219-784-2

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

Use of the : Paints, varnishes and enamels
Substance/Mixture
Chemical nature : Coating additive

1.3 Details of the supplier of the safety data sheet

Company : Lechler SpA
Via Cecilio 17
22100 Como- CO-
Telephone : +39031586111
Telefax : +39031586206
E-mail address : safety@lechler.eu
Responsible/issuing person

1.4 Emergency telephone number

Tel. +39-031-586301 Fax +39-031-586299

This telephone number is available during office hours only.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Serious eye damage, Category 1

H318: Causes serious eye damage.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



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Signal word : Danger

Hazard statements : H318 Causes serious eye damage.

Precautionary statements : **Prevention:**
P280 Wear eye protection/ face protection.
Response:
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

Hazardous components which must be listed on the label:

- 2530-83-8 [3-(2,3-epoxypropoxy)propyl]trimethoxysilane

2.3 Other hazards

None known.

No hazards resulting from the material as supplied.

The information required is contained in this Material Safety Data Sheet.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : Solvent-free

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane	2530-83-8 219-784-2 01-2119513212-58	Eye Dam. 1; H318	>= 90 - <= 100

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : When symptoms persist or in all cases of doubt seek medical advice.
Never give anything by mouth to an unconscious person.

If inhaled : Remove to fresh air.
Keep patient warm and at rest.

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	If breathing is irregular or stopped, administer artificial respiration. If unconscious, place in recovery position and seek medical advice.
In case of skin contact	: Take off all contaminated clothing immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. Put shower on working place
In case of eye contact	: Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart. Seek medical advice. Put eye-washer on working place Remove contact lenses.
If swallowed	: If accidentally swallowed obtain immediate medical attention. Do NOT induce vomiting. Keep at rest.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	: No information available.
Risks	: No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment	: The first aid procedure should be established in consultation with the doctor responsible for industrial medicine. Seek medical advice.
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SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Keep containers and surroundings cool with water spray.
Unsuitable extinguishing media	: Do NOT use water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting	: As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10). Exposure to decomposition products may be a hazard to health. Cool closed containers exposed to fire with water spray.
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Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Refer to protective measures listed in sections 7 and 8.
Material can create slippery conditions.

6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Clean with detergents. Avoid solvents.
Sweep up and shovel into suitable containers for disposal.

6.4 Reference to other sections

Refer to section 15 for specific national regulation.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid contact with skin, eyes and clothing.
Thoroughly mix before using
After using, store in a well-sealed container
Smoking, eating and drinking should be prohibited in the application area.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Observe label precautions.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Solvent vapours are heavier than air and may spread along floors.

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Electrical installations / working materials must comply with the technological safety standards.

No smoking.

Store between 5° and 35°C in a dry, well ventilated place away from source of heat, ignition and direct sunlight.

Store in accordance with the particular national regulations.

Advice on common storage : Keep away from oxidizing agents and strongly acid or alkaline materials.

German storage class : 10 Combustible liquids

7.3 Specific end use(s)

: This information is not available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

DNEL

[3-(2,3-epoxypropoxy)propyl]trimethoxysilane

: End Use: Workers
Exposure routes: Skin contact
Potential health effects: Acute effects
Exposure time: 8 h
Value: 21 ppm

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Acute effects
Value: 147 mg/m³

End Use: Workers
Exposure routes: Skin contact
Potential health effects: Chronic effects
Exposure time: 8 h
Value: 21 ppm

End Use: Workers
Exposure routes: Inhalation
Potential health effects: Chronic effects
Value: 147 mg/m³

PNEC

[3-(2,3-epoxypropoxy)propyl]trimethoxysilane

: Fresh water
Value: 1 mg/l

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xysilane

Marine water
Value: 0,1 mg/l

Soil
Value: 0,79 mg/kg

8.2 Exposure controls

Personal protective equipment

- Hand protection : Protective gloves complying with EN 374.
For prolonged or repeated contact use protective gloves.
Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred.
Skin should be washed after contact.
Wash your hands and put on barrier creams
- Eye protection : Chemical resistant goggles must be worn.
- Skin and body protection : Personnel should wear protective clothing.
Skin should be washed after contact.

Environmental exposure controls

- General advice : Try to prevent the material from entering drains or water courses.
If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Appearance : liquid
- Odour : solvent-like
- Flash point : > 100 °C
- Ignition temperature : not determined
- Lower explosion limit : No data available
- Upper explosion limit : No data available
- Auto-ignition temperature : Not applicable
- pH : not determined

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Freezing point	: Not applicable
Boiling point	: not determined
Vapour pressure	: 1,0 hPa at 50 °C
Density	: 1,07 g/cm ³
Water solubility	: not determined
Partition coefficient: n-octanol/water	: No data available
Solubility in other solvents	: not determined
Flow time	: 59 s 6 mm Method: ISO/DIN 2431 '84
Relative vapour density	: Not applicable
Evaporation rate	: not determined

9.2 Other information

Solids by weight : 100 %

SECTION 10: Stability and reactivity

10.1 Reactivity

None reasonably foreseeable.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid

Conditions to avoid : Our products were manufactured in compliance with safety standards to avoid decomposition and degrading under the defined conditions.
Taking the product type into account, it is advisable to leave the product in its original packaging thus avoiding transferring it.

10.5 Incompatible materials

Materials to avoid : Keep away from oxidizing agents, strongly alkaline and

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strongly acid materials in order to avoid exothermic reactions.

10.6 Hazardous decomposition products

Hazardous decomposition products : Carbon dioxide (CO₂), carbon monoxide (CO), oxides of nitrogen (NO_x), dense black smoke.

Thermal decomposition : Not applicable

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Product

Skin corrosion/irritation : Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in desiccation of the skin., The product may be absorbed through the skin.

Serious eye damage/eye irritation : The liquid splashed in the eyes may cause irritation and reversible damage.

Further information : The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish :
Remarks:
No data is available on the product itself.

12.2 Persistence and degradability

Biodegradability : No data available

12.3 Bioaccumulative potential

Bioaccumulation : No data available

12.4 Mobility in soil

Mobility : No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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12.6 Other adverse effects

Additional ecological information : There is no data available for this product.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : The product should not be allowed to enter drains, water courses or the soil.
Disposal together with normal waste is not allowed. Special disposal required according to local regulations.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.
According to the European Waste Catalogue, Waste Codes are not product specific, but application specific.
The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
The following Waste Codes are only suggestions:150110*

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 Proper shipping name

ADR

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

ADR

Not dangerous goods

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IMDG

Not dangerous goods

IATA

Not dangerous goods

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Candidate List of
Substances of Very High
Concern for Authorisation
(Article 59).

: Not applicable

REACH - List of substances
subject to authorisation
(Annex XIV)

: Not applicable

MAL-Code-Number : 00-3 (1993)
0-m3 air/10 g

German storage class : 10: Combustible liquids
(TRGS 510)

Risk classification according
to VbF : Exempt

Water contaminating class : water endangering
(Germany) 2005-08-31
ZDE_WGK Update:

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

15.2 Chemical safety assessment

No data is available on the product itself.

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SECTION 16: Other information

Full text of H-Statements referred to under sections 2 and 3.

H318 Causes serious eye damage.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.