

# SAFETY DATA SHEET

according to Regulation (EC) No. 830/2015

## LECHSYS HS BRUSH SICCATIVE

Version 1.9

Revision Date 08.07.2019

Print Date 31.03.2020

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

#### 1.1 Product identifier

Trade name : LECHSYS HS BRUSH SICCATIVE  
Product code : L0290428

#### 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 - This telephone number is available during office hours only. (8.00-18.00)

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.
Reproductive toxicity, Category 2	H361d: Suspected of damaging the unborn child.
Chronic aquatic toxicity, Category 3	H412: Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements

##### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

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Hazard statements	: H318 H361d H412	Causes serious eye damage. Suspected of damaging the unborn child. Harmful to aquatic life with long lasting effects.
Precautionary statements	: <b>Prevention:</b> P201 P273 P280  <b>Response:</b> P301 + P310 P305 + P351 + P338 + P310  P331	Obtain special instructions before use. Avoid release to the environment. Wear protective gloves/ protective clothing/ eye protection/ face protection.  IF SWALLOWED: Immediately call a POISON CENTER/doctor. 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. Do NOT induce vomiting.

Hazardous components which must be listed on the label:

- 22464-99-9 2-ethylhexanoic acid, zirconium salt
- Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics
- 106232-83-1 Alcohols, C12-15, branched and linear, ethoxylated

### 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 : Liquid pigmented dispersion

#### Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
2-ethylhexanoic acid, zirconium salt	22464-99-9 245-018-1 01-2119979088-21	Repr. 2; H361d	>= 20 - < 25
Hydrocarbons, C10- C13, n-alkanes, isoalkanes, cyclics, <	918-481-9 01-2119457273-39	Asp. Tox. 1; H304 EUH066 Note P	>= 15 - < 17,5

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2% aromatics			
Alcohols, C12-15, branched and linear, ethoxylated	106232-83-1	Acute Tox. 4; H302 Eye Dam. 1; H318	$\geq 10 - < 12,5$
neodecanoic acid, zirconium salt	39049-04-2 254-259-1	Skin Irrit. 2; H315	$\geq 5 - < 10$
manganese bis(2-ethylhexanoate)	13434-24-7 236-562-0	Eye Irrit. 2; H319 Repr. 2; H361d STOT RE 2; H373 Aquatic Chronic 2; H411	$\geq 3 - < 5$
2,2'-bipyridyl	366-18-7 206-674-4 01-2119535119-40	Acute Tox. 3; H301 Acute Tox. 3; H311	$\geq 1 - < 5$
calcium isononanoate	53988-05-9 258-901-1 01-2119978299-15	Acute Tox. 4; H302 Eye Irrit. 2; H319	$\geq 1 - < 5$
lithium neodecanoate	27253-30-1 248-372-5	Skin Irrit. 2; H315 Aquatic Chronic 3; H412	$\geq 1 - < 2,5$

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.  
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.

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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.

## 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.  
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 : 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

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respective authorities.

### 6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Clean with detergents. Avoid solvents.  
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

### 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 exceeding the given occupational exposure limits (see section 8).  
Use only in area provided with appropriate exhaust ventilation.  
Avoid contact with skin, eyes and clothing.  
Smoking, eating and drinking should be prohibited in the application area.  
Avoid inhalation of vapour or mist.  
For personal protection see section 8.  
Thoroughly mix before using  
After using, store in a well-sealed container

### 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.  
Store between 5° an 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 : 3 Flammable 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.

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### 8.2 Exposure controls

#### Personal protective equipment

- Respiratory protection : Apply technical measures to comply with the occupational exposure limits.  
This should be achieved by a good general extraction and -if practically feasible- by the use of a local exhaust ventilation.  
If the occupational exposure limits cannot be met, in exceptional cases suitable respiratory equipment should be worn only for a short period of time.  
Respirator with combination filter for vapour/particulate (EN 141)
- Hand protection : Protective gloves complying with EN 374.  
For prolonged or repeated contact use protective gloves.  
Wash your hands and put on barrier creams  
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.
- 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 : > 63 - 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	: 1,1033 g/cm <sup>3</sup>
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	: 84,33 %
Volatile organic compounds (VOC) content	: 15,66 %

## 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.
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### 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.
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### 10.5 Incompatible materials

Materials to avoid	: Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
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### 10.6 Hazardous decomposition products

Hazardous decomposition products : Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

Thermal decomposition : Not applicable

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Product

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg, Calculation method

Acute inhalation toxicity : Exposure to component solvent vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects., Such as: mucous membrane irritation, respiratory system irritation, adverse effects on kidney, liver and central nervous system. Symptoms and signs: headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness.

Acute dermal toxicity : Acute toxicity estimate: > 2.000 mg/kg, Calculation method

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.

#### Components:

#### **Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics :**

Acute oral toxicity : LD50: 5.000 mg/kg

Acute dermal toxicity : LD50: 3.000 mg/kg

## SECTION 12: Ecological information

### 12.1 Toxicity

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

### 12.2 Persistence and degradability



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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.

### 12.6 Other adverse effects

Additional ecological information : The product contains dangerous substances for the environment (see chapter no 3).  
The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.

## 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

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### 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

#### 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

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII) : Banned and/or restricted

	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics
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MAL-Code-Number : 5-6 (1993)

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32.547-m3 air/10 g

German storage class : 3: Flammable liquids  
(TRGS 510)

Risk classification according : Exempt  
to VbF see user defined free text

Water contaminating class : highly water endangering  
(Germany) VWWWS A4

This safety datasheet complies with the requirements of Regulation (EC) No. 830/2015.  
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.

## SECTION 16: Other information

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

EUH066	Repeated exposure may cause skin dryness or cracking.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### List of references

Regulation of the European Parliament and Council Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures (CLP)  
Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)  
Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products(BPR)  
This safety datasheet complies with the requirements of Regulation (EC) No. 830/2015.

### Key or legend to abbreviations and acronyms used in the safety data sheet

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways;  
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road;  
ASTM - American Society for the Testing of Materials;  
BW - Body weight;  
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008;

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CMR - Carcinogen, Mutagen or Reproductive Toxicant;  
DIN - Standard of the German Institute for Standardization;  
ECHA - European Chemicals Agency; EC-Number - European Community number;  
ECx - Concentration associated with x% response;  
ELx - Loading rate associated with x% response;  
EmS - Emergency Schedule;  
ErCx - Concentration associated with x% growth rate response; GLP - Good Laboratory Practice;  
IATA - International Air Transport Association;  
IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk;  
IC50 - Half maximal inhibitory concentration;  
ICAO - International Civil Aviation Organization;  
IMDG - International Maritime Dangerous Goods;  
IMO - International Maritime Organization;  
ISO - International Organisation for Standardization;  
LC50 - Lethal Concentration to 50 % of a test population;  
LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose);  
MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified;  
NO(A)EC - No Observed (Adverse) Effect Concentration;  
NO(A)EL - No Observed (Adverse) Effect Level;  
NOELR - No Observable Effect Loading Rate;  
OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention;  
PBT - Persistent, Bioaccumulative and Toxic substance;  
REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals;  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail;  
SADT - Self-Accelerating Decomposition Temperature;  
SDS - Safety Data Sheet;  
TRGS - Technical Rule for Hazardous Substances;  
UN - United Nations;  
vPvB - Very Persistent and Very Bioaccumulative

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.