

**MATERIAL SAFETY DATA SHEET****LEONHARD LANG SKINTACT® MULTIFUNCTION ELECTRODES**

This Material Safety Data Sheet (MSDS) is provided in response to customer requests. A MSDS is not required for these products, because, when used as recommended and under normal conditions, these products should not present a hazard for health and/or safety. Use or processing of these products not in accordance with the product's recommendations and/or not under normal conditions may affect the performance of the products and may cause hazards for health and/or safety.

**Section 1: PRODUCT AND COMPANY INFORMATION**

Product name: **Leonhard Lang Skintact® Multifunction Electrodes**

Manufacturer: Leonhard Lang GmbH  
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Product use: Multifunction electrodes

Emergency information: Manufacturer – see above

**Section 2: COMPOSITION / INFORMATION ON THE COMPONENTS**

Component Name	CAS#/Codes	Concentration	R Phases	Classification
Multifunction Electrode	NA/Proprietary	100.0%	R-None	None

**Section 3: HAZARDS IDENTIFICATION**

**Main hazards** Not classified as hazardous.

**EMERGENCY OVERVIEW**

**Odor, color, grade** Multifunction electrodes consist of water-based conductive adhesive surface area, adhered on a foil, surrounded by a border of non-conductive pressure-sensitive adhesive. The backing is a fluid resistant material.

**General physical form** Solid

**Immediate health, physical and environmental hazard**

The product, when used under reasonable conditions and in accordance with the directions for use, should not present a health hazard. However, use or processing of the product in a manner not in accordance with the product's directions for use may affect the performance of the product and may cause potential health and/or safety hazards.

## POTENTIAL HEALTH EFFECTS

<b>Eye contact</b>	No adverse health effects are expected during normal conditions of use.
<b>Skin contact</b>	No adverse health effects are expected during normal conditions of use. Note: Reddening of skin is normal.
<b>Inhalation</b>	No adverse health effects are expected during normal conditions of use.
<b>Ingestion</b>	No adverse health effects are expected during normal conditions of use.

## Section 4: FIRST AID MEASURES

<b>Eye contact</b>	If product comes accidentally in contact with the eye, rinse opened eye for several minutes with running water. Seek medical attention immediately.
<b>Skin contact</b>	No need for first aid is anticipated.
<b>Inhalation</b>	No need for first aid is anticipated.
<b>Ingestion</b>	No need for first aid is anticipated.
<b>Advice to physicians</b>	Treat symptomatically.

## Section 5: FIRE FIGHTING MEASURES

### FLAMMABLE PROPERTIES

<b>Autoignition temperature</b>	No data available
<b>Flash point</b>	Not applicable
<b>Flammable limits – LEL</b>	Not applicable
<b>Flammable limits – UEL</b>	Not applicable

### EXTINGUISHING MEDIA

Ordinary combustible material. Use fire extinguishers.

### PROTECTION OF FIRE FIGHTERS

#### Special fire fighting procedures:

Wear full protective equipment and self-contained breathing apparatus.

#### Unusual fire and explosion hazards:

No unusual fire or explosion hazards are anticipated.

## Section 6: ACCIDENTAL RELEASE MEASURES

<b>Accidental release measures</b>	Not applicable.
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**Section 7: HANDLING AND STORAGE**

<b>HANDLING</b>	This product is considered to be an article which does not release or otherwise result in exposure to a hazardous chemical under normal use conditions.
<b>STORAGE</b>	Storage area should be dry and at temperature 0°C – 50°C. See recommendations for product.

**Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

**ENGINEERING CONTROLS**

Not applicable.

**PERSONAL PROTECTIVE EQUIPMENT**

<b>Eye/face protection</b>	Avoid eye contact
<b>Skin protection</b>	Not applicable
<b>Respiration protection</b>	Not applicable
<b>Prevention of swallowing</b>	Do not ingest

**Section 9: PHYSICAL AND CHEMICAL PROPERTIES**

<b>Odor, color, grade</b>	Multifunction electrodes consist of water-based conductive adhesive surface area, adhered on a foil, surrounded by a border of non-conductive pressure-sensitive adhesive. The backing is a fluid resistant material.
<b>General physical form</b>	Solid
<b>Autoignition temperature</b>	No data available
<b>Flash point</b>	Not applicable
<b>Flammable limits – LEL</b>	Not applicable
<b>Flammable limits – UEL</b>	Not applicable
<b>Boiling point</b>	Not applicable
<b>Density</b>	Not applicable
<b>Vapor density</b>	Not applicable
<b>Vapor pressure</b>	Not applicable
<b>Specific gravity</b>	Not applicable
<b>pH</b>	Not applicable
<b>Melting point</b>	No data available
<b>Solubility in water</b>	Negligible
<b>Evaporation rate</b>	Not applicable
<b>Volatile organic compounds</b>	No data available
<b>Viscosity</b>	Not applicable

**Section 10: STABILITY AND REACTIVITY**

<b>Stability</b>	Stable under normal conditions
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<b>Conditions to avoid</b>	None known
<b>Materials to avoid</b>	None known
<b>Hazardous polymerization</b>	Hazardous polymerization will not occur.

**Hazardous decomposition or by-products**

<u>Substance</u>	<u>Condition</u>
Hydrocarbons	Not specified
Carbon monoxide	Not specified
Carbon dioxide	Not specified

**Section 11: TOXICOLOGICAL INFORMATION**

Please contact the address listed on the first page (Section 1) of the MSDS for toxicological information on this material and/or its components.

<b>Acute toxicity</b>	Cytotoxicity:	Non-cytotoxic
	Skin irritation:	Non-irritating
	Skin sensitization:	Non-sensitizing

**Section 12: ECOLOGICAL INFORMATION**

**Ecotoxicological Information** Not applicable.

**Chemical Fate Information** Not applicable.

**Section 13: DISPOSAL CONSIDERATIONS**

Dispose of in accordance with all applicable local and national regulations.

**Section 14: TRANSPORT INFORMATION**

No special transport conditions.

**Section 15: REGULATORY INFORMATION**

The product does not have to be labeled according to the calculation procedure of the EU directive for General Classification for Preparations in the latest version.

**R phrases** None

**S phrases** None

**Section 16: OTHER INFORMATION**

The information and recommendations presented in this MSDS are based on sources believed to be accurate. Leonhard Lang GmbH assumes no liability for the accuracy or completeness of this information. It is the user's responsibility to determine the suitability of the information for their particular purposes.

Contact: Burrhus Lang  
(See Section 1 of this MSDS)

## Abbreviations:

R	Risk
S	Safety
LEL	Lower Explosive Limit
UEL	Upper Explosive Limit