

Safety Data Sheet

according to Regulation (EU) No 1907/2006

Lash Bond
product code: ELG002

Section 1: Substance/preparation- and company name

1.1 Product identifier and relevant identified application

Polymer, ingredient for cosmetic agents

1.2 Supplied for

Company name: Biosmetics GmbH
Street: Ziegeleiweg 40
Place: 19399 Goldberg
Telephone: +49 (0) 451 3080090

Section 2: Composition/specifications on components

2.1. Chemical characteristics INCI-name:

VP/VA copolymer (and) Isopropanol Preparation based on: vinyl acetate, 1-vinyl 2- pyrrolidone copolymer (contents (W/W): 50 %). propan-2-ol (contents (W/W): 50 %)

Hazardous ingredient: Propan-2-ol Contents (W/W): 50 %:
CAS-Reg No: 67-63-0, EC 200-661-7, Index No: 603- 117-00-0

Warning symbol letter(s), R phrases: F: R11; Xi: R36; R67

If hazardous substances are named, the wording for the warning symbols and risk statements is specified in section 16.

Section 3: Hazard identification

3.1 Possible hazards:

Irritant to eyes. highly inflammable.

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Section 4: First-aid measures

4.1 General recommendations:

Remove contaminated clothing.

4.2 After inhaling:

Stay calm, fresh air, contact a doctor.

4.3 Following skin contact:

Wash-off thoroughly with soap and water.

4.4 Following eye contact:

Flush immediately and thoroughly for at least 15 minutes with eyelids wide open under flowing water;

Call an eye doctor.

4.5 After swallowing:

Rinse mouth immediately, then drink a copious amount of water; call a doctor.

Section 5: Measures to combat fire

5.1 Suitable fire extinguishers:

Sprayed water, foam, carbon dioxide, sand

5.2 Special hazards arising:

Carbon dioxide, nitrous gases, cyanide can be released in case of fire.

5.3 Specific protective gear:

Wear a self-contained breathing apparatus

5.4 Further information:

Dispose of fire residue and contaminated fire-fighting water according to official regulations.

Section 6: Measures in case of unintentional release

6.1 Individual preventive measures:

Ensure proper ventilation.

6.2 Measures for environmental protection:

Prevent entry into these waters.

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6.3 Procedures for cleaning and uptake:

For large quantities: contain/dam-up. Dispose of in well-sealed containers.

Section 7: Handling and storage

7.1 General:

Handling Observe the usual precautionary measures for handling chemicals.

7.2 Fire-and explosion protection:

Keep away from sources of combustion – do not smoke. Use water to cool containers endangered by heat.

7.3 Further informationon/storage conditions:

Keep containers tightly sealed and store in a cool, well- ventilated location

Section 8: Exposure limit and personal protective gear

8.1 Components with workplace-related limit values to be monitored:

67-63-0: Propan-2-ol

TWA-value: 500 mg/m³; 200 ppm (MAK (CH))

STEL-value: 1,000 mg/m³; 400 ppm (MAK (CH))

Peak limit/exceedance factor: 4x15 MIN (MAK (CH))

No grounds to fear risk of reproductive injury if workplace limit values and biological limit values (BLV) are observed.

8.2 Personal protective gear:

Respiratory protection: Gas filter for organic gases/vapours (boiling point > 65 °C, e. g. EN 14387 Type A).

Hand protection: Suitable materials including longer, direct contact (recommended: protection index 6, corresponds to > 480 minutes permeation according to EN 374):

Butyl rubber (butyl) – 0.7 mm layer thickness

Fluorelastomer (FKM) – 0.7 mm layer thickness

Nitrile rubber (NBR) – 0.4 mm layer thickness

Additional recommendation:

The information derives from in-house testing, literature and information from glove manufacturers, or is derived from conclusion by analogy for similar materials. Note should be taken that the actual duration of use for a chemically protective glove can be clearly shorter in practice than the determined permeation

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time, due to many influencing factors (e.g. temperature). Due to the large number of types, the manufacturer's instructions are to be followed.

Eye protection: Safety glasses with side shields (frame goggles) (e.g. EN 166)
General protection and hygiene measures: Avoid inhaling vapours.

Section 9: Physical and chemical properties

Information on:	propan-2-ol
Form:	liquid
Colour:	light yellow
Odour:	perceptible
Boiling point:	82°C
Flashpoint:	approx. 13°C
Lower explosion limit:	2% (V)
Upper explosion limit:	12.0%(V)
Ignition temperature:	approx. 400°C
Vapour pressure:	approx. 35 hPa (20°C) approx. 220hPa (50°C)
Density:	approx 0.95-1.0g/cm ³
Solubility in water:	approx. 20°C dispersible
Viscosity, dynamic:	approx. 3,000 mPa.s (25°C)

Section 10: Stability and reactivity

10.1 Thermal decomposition: ca. 80°C

Thermal decomposition above the indicated temperature is possible.

10.2 Dangerous reactions:

No dangerous reactions if the regulations/recommendations for storage and handling are followed.

10.3 Hazardous decomposition products:

No hazardous decomposition products if the regulations/recommendations for storage and handling are followed.

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Section 11: Information on toxicology

Information on vinyl acetate, 1 -vinyl 2-pyrrolidon copolymer:

11.1 Acute toxicity:

Evaluation of acute toxicity: No further information available.

11.2 Irritant effect:

Evaluation of irritant effect: No further information available

11.3 Sensitisation:

Evaluation of sensitisation: Not skin sensitising in tests on animals.
Guinea pig maximisation test (GPMT): not sensitising (OECD- guideline 406)

11.4 Gene toxicity:

Evaluation of mutagenicity:
No effect altering the genetic material was found in tests on bacteria and on mammalian cells.

11.5 Developmental toxicity:

Evaluation of teratogenicity:
The substance showed no properties of altering genetic material in tests on mammals.

Section 12: Environmental information / Environmental toxicity

12.1 Toxity Information on vinyl acetate, 1 -vinyl 2-pyrrolidon copolymer:

Evaluation of aquatic toxicity:
High probability of harmlessness for aquatic organisms if acute. Appropriate introduction of low concentrations in biological sewage systems should not lead to interference with decomposition activities of activated sludge.

Fish toxicity:
LC50 (96 h) > 10,000 mg/l, Brachydanio rerio (OECD- guideline 203, static)

Aquatic invertebrates:
EC50 (48 h) > 100 mg/l, Daphnia magna (Guideline 79/831/EWG, static)

Aquatic plants:
EC50 (72 h) > 100 mg/l (biomass), Scenedesmus subspicatus (OECD-guideline 201, static)

12.2 Persistence and decomposition information on vinyl acetate, 1 -vinyl 2-pyrrolidon copolymer:

Evaluation of biodecomposition and elimination (H20):
Difficult to eliminate from water.

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Information on elimination:

approx. 20 - 30 % DOC- decrease (15 d) (OECD-guideline 302 B) (aerob, activated sludge, adapted) Difficult to eliminate from water.

12.3 Bioaccumulation potential information on vinyl acetate, 1-vinyl 2-pyrrolidon copolymer:

Bioaccumulation potential:

Based on its structural properties, the polymer portion is not Accumulation is not expected in organisms.

Section 13: Recommendations for disposal

National and local legal regulations are to be observed.

Section 14: Information for transport Land transport

ADR

UN number	UN1866
Proper shipping name (description of goods)	Resin Solution (contains ISOPROPANOL)
Transport hazard class(es)	3
Pachaging group	III

RID

UN number	UN1866
Proper shipping name (description of goods)	Resin Solution (contains ISOPROPANOL)
Transport hazard class(es)	3
Pachaging group	III

Barge freight

UN number	UN1866
Proper shipping name (description of goods)	Resin Solution (contains ISOPROPANOL)
Transport hazard class(es)	3
Pachaging group	III

Ocean freight

UN number	UN1866
Proper shipping name (description of goods)	Resin Solution (contains ISOPROPANOL)
Transport hazard class(es)	3
Pachaging group	III

Air transport

UN number	UN1866
Proper shipping name (description of goods)	Resin Solution (contains ISOPROPANOL)
Transport hazard class(es)	3
Pachaging group	III

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Section 15: Regulations

The Safety Data Sheet is compiled according to the current regulations of the European Union (designation) / national regulations EU-guideline 1999/45/EU ('Preparations guideline').

Section 16: Other Information

16.1 Danger symbol(s):

F Highly flammable:



X Irritant:



16.2 R-Sentences:

- R 11 Highly flammable
- R 36 Irritant to eyes
- R 67 Vapours can cause drowsiness and light headedness

16.3 S-sentences:

- S2 Keep out of reach of children
- S7 Keep container tightly sealed
- S16 Keep away from sources of combustion- no smoking
- S24 Avoid contact with skin
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

16.4 **Weak water pollutant.**

16.5 **Other regulations:**

Complete wording for hazard symbols and risk sentences if "Dangerous contents" named in Section 2 and 16.

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The preceding information in this material safety data sheet is based on our current knowledge and experience and describes the product with regard to safety requirements with no limit or warranty.

The information is in no way to be viewed as a description of the quality of the goods (product specification). Agreement on quality or product suitability for a specific application cannot be derived from our information in the safety data sheet. Any protective rights or existing laws and provisions are to be observed by the recipient of our product under their own responsibility.

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