

1. Identification of the substance/ mixture and of the company/undertaking

Item description: COAT LUBE Isolation for 3D Print 100ml Art. 650-1100

Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.

Application of the substance Auxiliary for dental technology

Manufacturer: **Dentify GmbH**
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Information: Tel: + 49-7733-977 62 40, Fax: +49-7733-977 62 44
(Mo – Do 8:00 – 16:30, Fr 8:00 – 15:00)

Emergency: Tel: + 49-7733-977 62 40
(Mo – Do 8:00 – 16:30, Fr 8:00 – 15:00)

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:

Flam. Liq. 2 H225 Highly flammable liquid and vapour.
Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

2.2 Label elements · Labelling according to Regulation (EC) No 1272/2008:
The product is classified and labelled according to the CLP regulation.

Hazard pictograms:



GHS02



GHS07

• **Signal word:** Danger

• **Hazard-determining components of labelling:**

propan-2-ol

• **Hazard statements:**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

• **Precautionary statements:**

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

P261 Avoid breathing dust / fume / gas / mist / vapours / spray.

P280 Wear protective gloves / eye protection.

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.

P312 Call a POISON CENTER/doctor if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.

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P403+P233 Store in a well-ventilated place. Keep container tightly closed.

• 2.3 Other hazards •

Results of PBT and vPvB assessment:

PBT: Not applicable. •

vPvB: Not applicable

3. Composition/ information on ingredients

Description: Mixture of substances listed below with nonhazardous additions.

• Dangerous components:

CAS: 67-63-0

EINECS: 200-661-7

Index number: 603-117-00-0

Reg.nr.: 01-2119457558-25

propan-2-ol

Flam. Liq. 2, H225; Eye Irrit. 2,
H319; STOT SE 3, H336

25-<100%

4. First aid measures

• 4.1 Description of first aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
No special measures required.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

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

No further relevant information available.

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

No further relevant information available.

5. Firefighting measures

• 5.1 Extinguishing media

• Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

• 5.2 Special hazards arising from the substance or mixture

No further relevant information available.

• 5.3 Advice for firefighters

• **Protective equipment:** No special measures required.

6. Accidental release measures

• 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

• 6.2 Environmental precautions

Dilute with plenty of water.

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). Ensure adequate ventilation.

• 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

7. Handling and Storage

7.1 Precautions for safe handling

Ensure good ventilation / exhaust at the workplace.
Prevent formation of aerosols.

• Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.

• 7.2 Conditions for safe storage, including any incompatibilities

• Storage

• Requirements to be met by storerooms and receptacles:

Keep container in a well-ventilated, cool and dry place.
Store in a cool location.

• **Information about storage in one common storage facility:** Not required.

• Further information about storage conditions:

Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.

• **Storage class:** No information available.

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

8. Exposure controls/personal protection

• 8.1 Control parameters

• Ingredients with limit values that require monitoring at the workplace:

67-63-0 propan-2-ol

WEL (Great Britain)

Short-term value: 1250 mg/m³, 500 ppm

Long-term value: 999 mg/m³, 400 ppm

AGW (Germany)

Long-term value: 500 mg/m³, 200 ppm

2(II);DFG, Y

• Ingredients with biological limit values:

67-63-0 propan-2-ol

BGW (Germany)

25 mg/l

Specimen: Whole blood

Sampling time: After exposure ends or after the shift ends

Parameters: Acetone

25 mg/l

Specimen: Urine

Sampling time: After exposure ends or after the shift ends

Parameters: Acetone

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

• 8.2 Exposure controls

• **Appropriate engineering controls** No further data; see item 7.

• **Individual protection measures, such as personal protective equipment**

• **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

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 eyes.

Avoid contact with the eyes and skin.

• 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 device.

• Hand protection



Protective gloves

Protective gloves The glove material has to be impermeable and resistant to the product. Due to missing tests no recommendation to the glove material can be given for the product. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

• 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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

• 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.

• Eye/face protection



Tightly sealed goggles

9. Physical and chemical properties

• 9.1 Information on basic physical and chemical properties

• General Information

• Physical state

Fluid

• Colour:

Green

• Odour:

Alcohol-like

• Melting point/freezing point:

Undetermined.

• Boiling point or initial boiling point and boiling range

82 °C (67-63-0 propan-2-ol)

• Flammability

Not applicable.

• Lower and upper explosion limit

• Lower:

2 Vol % (67-63-0 propan-2-ol)

• Upper:

12 Vol % (67-63-0 propan-2-ol)

• Flash point:

13 °C (67-63-0 propan-2-ol)

• Auto-ignition temperature:

Product is not selfigniting.

• Decomposition temperature:

Not determined.

• pH:

Not determined.

• Viscosity:

• Kinematic viscosity

Not determined.

• Dynamic:

Not determined.

• Solubility

• water:

Fully miscible.

• Partition coefficient n-octanol/water (log value)

Not determined.

• Vapour pressure at 20 °C:

43 hPa (67-63-0 propan-2-ol)

• Density and/or relative density

• Density at 20 °C:

0.89 g/cm³

• Relative density:

Not determined.

• Vapour density:

Not determined.

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9.2 Other information

Appearance:

Form:

Fluid

Important information on protection of health and environment, and on safety.

Explosive properties:

Product is not explosive. However, formation of explosive air / vapour mixtures are possible.

Solvent content:

Organic solvents:

54.8 %

Water:

38.0 %

VOC (EC):

55,00 %

Solids content:

0.0 %

Change in condition:

Evaporation rate

Not determined.

Information with regard to physical hazard classes

Explosives

Void.

Flammable gases

Void.

Aerosols

Void.

Oxidising gases

Void.

Gases under pressure

Void.

Flammable liquids

Highly flammable liquid and vapour.

Flammable solids

Void.

Self-reactive substances and mixtures

Void.

Pyrophoric liquids

Void.

Pyrophoric solids

Void.

Self-heating substances and mixtures

Void.

Substances and mixtures, which emit flammable gases in contact with water

Void.

Oxidising liquids

Void.

Oxidising solids

Void.

Organic peroxides

Void.

Corrosive to metals

Void.

Desensitised explosives

Void.

10. Stability and reactivity

10.1 Reactivity No data available.

10.2 Chemical stability No decomposition if used according to specifications.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials No further relevant information available.

10.6 Hazardous decomposition products No dangerous decomposition products known.

11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008 - Acute toxicity: No data available.

LD/LC50 values relevant for classification: 67-63-0 propan-2-ol

Oral	LD50	5,045 mg/kg (Rat)
Dermal	LD50	12,800 mg/kg (Rabbit)
Inhalative	LC50/4 h	30 mg/l (Rat)

Serious eye damage/irritation Causes serious eye irritation.

STOT-single exposure May cause drowsiness or dizziness.

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

12. Disposal considerations

Waste treatment methods
Recommendation

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

European waste catalogue
16 00 00
16 05 00
16 05 04

WASTES NOT OTHERWISE SPECIFIED IN THE LIST
gases in pressure containers and discarded chemicals
gases in pressure containers (including halons) containing dangerous substances

Uncleaned packaging:
Recommendation:

Disposal must be made according to official regulations.

13. Ecological information

• 13.1 Waste treatment methods

• Recommendation:

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

• Waste disposal key:

The waste disposal code as prescribed in the European Waste Catalogue (EWC) depends on the waste producer and can thus vary for a product. The waste disposal code should thus be obtained separately from the waste producer in each case.

• Uncleaned packaging:

• **Recommendation:** Disposal must be made according to official regulations.

• **Recommended cleansing agents:** Water, if necessary together with cleansing agents

14. Transport information

• 14.1 UN number or ID number

• ADR, IMDG, IATA

UN1219

• 14.2 UN proper shipping name

• ADR

1219 ISOPROPANOL (ISOPROPYL ALCOHOL)
mixture

• IMDG, IATA

ISOPROPANOL (ISOPROPYL ALCOHOL) mixture

• 14.3 Transport hazard class(es)

• ADR, IMDG, IATA



• Class

3 Flammable liquids.

• Label

3

• 14.4 Packing group

• ADR, IMDG, IATA

II

• 14.5 Environmental hazards:

Not applicable.

• 14.6 Special precautions for user

Warning: Flammable liquids.

• Hazard identification number

(Kemler code):

33

• EMS Number:

F-E,S-D

• Stowage Category

B

• 14.7 Maritime transport in bulk according to IMO instruments

Not applicable.

• Transport/Additional information:

• ADR

• Limited quantities (LQ):

1L

• Excepted quantities (EQ):

Code: E2

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	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
Transport category:	2
- Tunnel restriction code:	D/E
- IMDG	
- Limited quantities (LQ):	1L
- Excepted quantities (EQ):	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml UN 1219 ISOPROPANOL (ISOPROPYL ALCOHOL) MIXTURE, 3, II
- UN "Model Regulation":	

15. Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
 - **Directive 2012/18/EU**
 - **Named dangerous substances - ANNEX I** None of the ingredients is listed.
 - **Seveso category** P5c FLAMMABLE LIQUIDS
 - **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5.000 t
 - **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50.000 t
- **National regulations:**
- **Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.
Employment restrictions concerning pregnant and lactating women must be observed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out

16. Other information

This information is based on the state of knowledge and experience pertaining on the date of issue. The information is not to be taken as a guarantee of product properties and do not constitute the basis for a contractual legal relationship. The details must not be changed or transferred to other products. Duplication in an unchanged state is permissible.

• Relevant phrases

H225 Highly flammable liquid and vapour.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

- Department issuing SDS: Department of product security.

• Abbreviations and acronyms:

ADR: Accord relatif au transport international 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
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3