

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 01.07.2021

Version 1

Revision: 28.06.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name: INSEBO Grundierung OP****1.2 Relevant identified uses of the substance or mixture and uses advised against****Application of the substance / the mixture** Primer for silicones and MS sealants**1.3 Details of the supplier of the safety data sheet**

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1.4 Emergency telephone number: Call local emergency information.**SECTION 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.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Repr. 2 H361d Suspected of damaging the unborn child.

STOT SE 3 H336 May cause drowsiness or dizziness.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

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 GHS08

Signal word Danger**Hazard-determining components of labelling:**

toluene

acetone

Hazard statements

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H361d Suspected of damaging the unborn child.

H336 May cause drowsiness or dizziness.

H373 May cause damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

Precautionary statements

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

P260 Do not breathe mist/vapours.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves, protective clothing, eye protection/ face protection.

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P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P331 Do NOT induce vomiting.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with national regulations.

Additional information:

EUH208 Contains methyl methacrylate, n-butyl methacrylate. May produce an allergic reaction.

2.3 Other hazards No further relevant information available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with non-hazardous additions.

Dangerous components:

CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8	acetone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	25-50%
CAS: 108-88-3 EINECS: 203-625-9 Index number: 601-021-00-3 Reg.nr.: 01-2119471310-51	toluene Flam. Liq. 2, H225; Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336	25-50%
CAS: 71-36-3 EINECS: 200-751-6 Index number: 603-004-00-6	butan-1-ol Flam. Liq. 3, H226; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	≤ 2.5%
CAS: 80-62-6 EINECS: 201-297-1 Index number: 607-035-00-6	methyl methacrylate Flam. Liq. 2, H225; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	≤ 0.5%
CAS: 97-88-1 EINECS: 202-615-1 Index number: 607-033-00-5	n-butyl methacrylate Flam. Liq. 3, H226; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	≤ 0.5%

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures



First aid

4.1 Description of first aid measures

General information:

In case of accident or if you feel unwell seek medical advice (show label where possible).

After inhalation:

Supply fresh air and as a precaution call for a doctor.

If respiratory activity is irregular or cessation of breathing appears give artificial respiration.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Remove all contaminated clothing immediately. Drench the affected skin with plenty of soap and water. In case of redness or irritation, consult a doctor.

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Wash contaminated clothes before reuse.

After eye contact: Rinse opened eyes for at least 15 minutes under running water and consult a doctor.**After swallowing:**

If swallowed, do not induce vomiting: seek medical advice and show this container or label.

Rinse out mouth and have person sip a glass of water (only if person is not unconscious).

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 Symptomatic treatment.**SECTION 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.**For safety reasons unsuitable extinguishing agents:** Water with full jet**5.2 Special hazards arising from the substance or mixture**

During a fire, smoke may contain the original material in addition to combustion products of varying composition which may be toxic and/or irritating.

5.3 Advice for firefighters**Protective equipment:** In the case of fire wear self-contained respiratory equipment and full protective suit.**Additional information**

Cool endangered receptacles with water spray. Contain runoff to prevent entry into water or drainage systems.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Please notice instructions for person-related safety precautions, wear protective equipment (see 8.)

Keep unprotected persons away.

Do not breathe vapour.

Avoid direct contact.

6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Advise water authority in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid or universal binders, sawdust).

Place into lockable, labelled salvage container for disposal according to the regulations.

Do not flush with water.

Additional information: Remove ignition sources.**6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See section 13 for disposal information.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

While handling pay attention to the usually precaution for chemicals.
Comply with instructions for use.
Ensure adequate ventilation.
Do not breathe fumes or spray.
Avoid any contact with skin, eyes and clothes.
Wash hands before break and at the end of work.

Information about fire - and explosion protection:



Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.
Fumes can combine with air to form an explosive mixture.
Highly volatile, flammable constituents may released during processing.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles:

Store in tightly closed original containers in a cool, well ventilated and dry place.
Protect from heat and direct sun.

Information about storage in one common storage facility:

Do not store food, beverages and animal feeding stuffs in the storage area.

Further information about storage conditions:

Keep out of the reach of children and domestic animals.
Protect from humidity.

7.3 Specific end use(s) Use only according to instructions.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities:

Provide good ventilation or exhaust at work, particularly in closed areas.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 67-64-1 acetone

IOELV (EU)	Long-term value: 1210 mg/m ³ , 500 ppm
MAK (Austria)	Short-term value: 4800 mg/m ³ , 2000 ppm; Long-term value: 1200 mg/m ³ , 500 ppm
AGW (Germany)	Long-term value: 1200 mg/m ³ , 500 ppm; 2(I);AGS, DFG, EU, Y

CAS: 108-88-3 toluene

IOELV (EU)	Short-term value: 384 mg/m ³ , 100 ppm; Long-term value: 192 mg/m ³ , 50 ppm; Skin
MAK (Austria)	Short-term value: 380 mg/m ³ , 100 ppm; Long-term value: 190 mg/m ³ , 50 ppm
AGW (Germany)	Long-term value: 190 mg/m ³ , 50 ppm; 4(II);DFG, EU, H, Y

CAS: 71-36-3 butan-1-ol

MAK (Austria)	Short-term value: 600 mg/m ³ , 200 ppm; Long-term value: 150 mg/m ³ , 50 ppm
AGW (Germany)	Long-term value: 310 mg/m ³ , 100 ppm; 1(I);DFG, Y

CAS: 80-62-6 methyl methacrylate

IOELV (EU)	Short-term value: 100 ppm; Long-term value: 50 ppm
MAK (Austria)	Short-term value: 420 mg/m ³ , 100 ppm; Long-term value: 210 mg/m ³ , 50 ppm
AGW (Germany)	Long-term value: 210 mg/m ³ , 50 ppm; 2(I);DFG, EU, Y

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CAS: 97-88-1 n-butyl methacrylate

MAK (Germany) | vgl. Abschn. IV

Regulatory information

IOELV (EU): (EU) 2019/1831

MAK (Austria): GKV 2018, 254. Verordnung, 24.9.2018, Teil II

AGW (Germany): TRGS 900

MAK (Germany): MAK- und BAT-Liste

DNELs:

acetone (CAS 67-64-1):

worker, DNEL, short-term exposure - local effects, inhalation 2420 mg/m³

worker, DNEL, long-term exposure - systemic effects, inhalation 1210 mg/m³

worker, DNEL, long-term exposure - systemic effects, dermal 186 mg/kg bw/day

consumer, DNEL, long-term exposure - systemic effects, oral 62 mg/kg bw/day

consumer, DNEL, long-term exposure - systemic effects, inhalation 200 mg/m³

consumer, DNEL, long-term exposure - systemic effects, dermal 62 mg/kg bw/day

PNECs:

acetone (CAS 67-64-1):

freshwater 10.6 mg/l, marine water 1.6 mg/l

sediment freshwater 30.4 mg/kg, marine water 3.04 mg/kg

intermittent releases 21 mg/l, STP 100 mg/l; soil 29.5 mg/kg

Additional information: Based on actual legally binding lists.

8.2 Exposure controls

Personal protective equipment

General protective and hygienic measures:

Avoid unnecessary contact with the product. Do not eat, drink or smoke at workplace and keep it tidy.

Do not breathe vapours.

Remove contaminated clothing and wash carefully before reuse.

Wash hands before break and at the end of work.

Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of hands:



Solvent-resistant protective gloves

Wash when contaminated. Dispose of when contaminated inside, when perforated or when contamination outside cannot be removed.

Material of gloves

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

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.

Not suitable are gloves made of the following materials:

Strong material gloves, leather gloves, natural rubber (NR), chloroprene rubber (CR), nitrile rubber (NBR), fluorocarbon rubber (Viton), PVC gloves

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Eye protection:


Tightly sealed goggles (EN 166)

Ensure eye bath is to hand.

Body protection: Protective work clothing (e.g. boots, long-sleeved body covering clothing)

Limitation and supervision of exposure into the environment

Do not allow to enter sewers/ surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties
Appearance:

Form:	Fluid
Colour:	Product-specific
Odour:	Characteristic
Odour threshold:	Not determined

pH:	No data available
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Change in condition

Boiling point/boiling range:	No data available
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Flash point:	No data available
Flammability (solid, gas):	No data available.
Decomposition temperature:	235 °C (acetone)
Auto-ignition temperature:	No data available.

Explosive properties:	No data available
Explosion limits:	
Lower:	2.5 V% (acetone)
Upper:	14.3 V% (acetone)
Oxidising properties:	No data available.

Vapour pressure at 20 °C:	240 hPa (acetone)
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Density:	≈ 0.9 g/cm ³
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Solubility in / Miscibility with water:	No data available.
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Partition coefficient: n-octanol/water:	-0.24 (20 °C, acetone)
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Viscosity

Dynamic:	No data available.
VOC (EC):	> 50 %

9.2 Other information	No further relevant information available.
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SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions No further relevant information available.

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10.4 Conditions to avoid Heat, open flames, sparks, moisture

10.5 Incompatible materials: Oxidizing agents, water, acids, bases.

10.6 Hazardous decomposition products:

Noxious vapours can be released at high temperatures or upon burning.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification: There are no product specific data on toxicology available.

Primary irritant effect:

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Additional toxicological information:

Acetone: inhalation of vapours can cause irritation of eyes and respiratory tract; dizziness, headache and unconsciousness possible.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity

Suspected of damaging the unborn child.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: For the product there are no ecotoxicological data available.

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment Not applicable.

12.6 Other adverse effects No further relevant information available.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation



Do not dispose waste or remains together with domestic waste, do not empty into sink or toilet, hand over to hazardous waste disposers.

European waste catalogue

It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the wastedisposal operator.

Uncleaned packaging:

Recommendation:

Completely discharge containers. Containers may be recycled or re-used. Observe local/state/federal regulations.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: Transport information

14.1 UN-Number
ADR, IMDG, IATA

UN1993

14.2 UN proper shipping name
ADR

1993 FLAMMABLE LIQUID, N.O.S. (ACETONE, TOLUENE)

IMDG, IATA

FLAMMABLE LIQUID, N.O.S. (ACETONE, TOLUENE)

14.3 Transport hazard class(es)

ADR



Class
Label
IMDG, IATA

3 (F1) Flammable liquids.
3



Class
Label

3 Flammable liquids.
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

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

Not applicable.

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UN "Model Regulation":UN1993, FLAMMABLE LIQUID, N.O.S. (ACETONE,
TOLUENE), 3, II**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Regulation (EC) No 1907/2006 Annex XVII** Conditions of restriction: 3, 48**National regulations:** -**Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.

Further information:

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008: Calculation method

Abbreviations and acronyms:

- CLP: REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- EINECS: European Inventory of Existing Commercial Chemical Substances
- GHS: Globally Harmonized System of Classification and Labelling of Chemicals
- WEL: Workplace Exposure Limit
- MAK: maximum concentration of a chemical substance in the workplace
- IOELV: Indicative Occupational Exposure Limit Values (EU)
- AGW: occupational exposure limit
- DNEL: Derived No-Effect Level
- PNEC: Predicted No-Effect Concentration
- VOC: Volatile Organic Compounds
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- Flam. Liq. 2: Flammable liquids – Category 2
- Flam. Liq. 3: Flammable liquids – Category 3
- Acute Tox. 4: Acute toxicity - oral – Category 4
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Skin Sens. 1: Skin sensitisation – Category 1
- Repr. 2: Reproductive toxicity – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

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STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1

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Data compared to the previous version altered Section 1,8,9,15