

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 Silikonspray**1.2 Relevant identified uses of the substance or mixture and uses advised against****Application of the substance / the mixture** Lubricant**1.3 Details of the supplier of the safety data sheet**WS INSEBO GmbH
Industriestraße 24, A-2325 Himberg bei Wien
Tel.: +43 (0) 2235/86227-0
Fax: +43 (0) 2235/86020
e-mail: office@insebo.com**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**

Aerosol 1	H222-H229	Extremely flammable aerosol. Pressurised container: May burst if heated.
Skin Irrit. 2	H315	Causes skin irritation.
STOT SE 3	H336	May cause drowsiness or dizziness.
Aquatic Chronic 3	H412	Harmful to aquatic life with long lasting effects.

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:**

hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Hazard statements

H222-H229	Extremely flammable aerosol. Pressurised container: May burst if heated.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P261	Avoid breathing spray.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container in accordance with national regulations.

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2.3 Other hazards Formation of explosive air/vapour mixtures are possible.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

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

Dangerous components:

CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0	butane, pure Flam. Gas 1, H220; Press. Gas (Comp.), H280	50 - 100%
CAS: 64742-49-0 EINECS: 265-151-9 Index number: 649-328-00-1	hydrocarbons, C7, n-alkanes, isoalkanes, cyclics Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	2.5 - 10%
CAS: 110-54-3 EINECS: 203-777-6 Index number: 601-037-00-0	n-hexane Flam. Liq. 2, H225; Repr. 2, H361f; STOT RE 2, H373; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	< 1%

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 immediately (show label or SDS where possible).
 Never give anything by mouth to an unconscious person.

After inhalation:

Remove person to fresh air and keep comfortable for breathing.

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.

Seek immediate medical advice.

After skin contact:

Remove contaminated clothes, wash the affected skin with plenty of water and soap.

In case of irritation seek medical treatment.

Wash contaminated clothes before reuse.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing:

Swallowing impossible when used as recommended.

Rinse out mouth with water. Do not induce vomiting.

If symptoms of indisposition persist, seek medical advice (show this container or label).

4.2 Most important symptoms and effects, both acute and delayed

Inhalation: vapours may cause drowsiness or dizziness

Excessive inhalation may cause irritation of the respiratory tract; coughing, sneezing, nasal discharge, dyspnoea

Skin contact: irritation, itching, redness, pain

Eye contact: may cause irritation (redness, lacrimation and irritation)

Accidental swallowing: may cause abdominal pain, nausea/vomiting and diarrhoea; irritates digestive organs

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(intestinal tract).

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 foam. Fight larger fire with water spray or alcohol resistant foam.CO₂, dry chemical powder, foam or water haze.**For safety reasons unsuitable extinguishing agents:** Water with full jet**5.2 Special hazards arising from the substance or mixture**

Avoid inhalation of explosive and fire gases.

Vapours can form explosive mixtures with air.

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

Keep unprotected persons away.

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

Heating causes a rise in pressure, risk of bursting and explosion.

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.

Keep away from heat and ignition sources.

Do not breathe vapour/spray.

Avoid any contact with skin, eyes and clothes.

6.2 Environmental precautions:

Do not allow to penetrate the ground/soil or enter sewers/ surface and 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 noncombustible absorbent material, (eg sand, diatomite, vermiculite).

In case of release of large quantities pump out the product.

Place into suitable and labelled containers for disposal.

Clean contaminated floors and objects thoroughly, observing environmental regulations.

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.

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.

Use only in well ventilated areas.

Avoid any contact with skin, eyes and clothes.

Prevent formation of aerosols. Do not breathe fumes/aerosol.

Wash hands before break and at the end of work.

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Information about fire - and explosion protection:



Keep ignition sources away - Do not smoke.

Vapours May form explosive mixtures with air, which are heavier than air.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50 °C, i.e. electric lights. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material.

Protect against electrostatic charges.

Use only non-sparking tools.

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 and well ventilated place.

Observe official regulations on storing packagings with pressurised containers.

Avoid direct sun exposure and heat.

Information about storage in one common storage facility:

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

Store away from oxidising agents.

Further information about storage conditions:

Keep out of the reach of children and domestic animals.

Store containers upright.

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

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities:

Provide good ventilation or exhaust at work.

Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 106-97-8 butane, pure

MAK (Austria) | Short-term value: 3800 mg/m³, 1600 ppm; Long-term value: 1900 mg/m³, 800 ppm

AGW (Germany) | Long-term value: 2400 mg/m³, 1000 ppm; 4(II);DFG

CAS: 64742-49-0 hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

MAK (Germany) | vgl.Abschn.Xb

CAS: 110-54-3 n-hexane

IOELV (EU) | Long-term value: 72 mg/m³, 20 ppm

MAK (Austria) | Short-term value: 288 mg/m³, 80 ppm; Long-term value: 72 mg/m³, 20 ppm

AGW (Germany) | Long-term value: 180 mg/m³, 50 ppm; 8(II);DFG, EU, Y

Regulatory information

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

AGW (Germany): TRGS 900

MAK (Germany): MAK- und BAT-Liste

IOELV (EU): (EU) 2019/1831

DNELs:

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (CAS 64742-49-0):

worker, long-term exposure - systemic effects, inhalation: 2085 mg/m³

worker, long-term exposure - systemic effects, dermal: 300 mg/kg bw/day

consumer, long-term exposure - systemic effects, inhalation: 447 mg/m³

consumer, long-term exposure - systemic effects, dermal, oral: 149 mg/kg bw/day

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PNECs: Not available.

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 inhale gases / fumes / aerosols.

Remove contaminated clothing immediately and wash carefully before reuse.

Wash hands before break and at the end of work.

Respiratory protection:



Wear particulate filter masks in the case of exceeding the recommended occupational exposure limits.

Wear suitable respiratory protective (EN 136) with filter type A2-P2 (EN 14387)

Protection of hands:



Protective gloves (DIN EN ISO 374-1:2018)

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.

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 protection:



Tightly sealed goggles (EN 166)

Body protection:

Protective clothing (DIN EN ISO 13688:2013-12) and protective shoes (DIN EN ISO 20345:2012-04).

Limitation and supervision of exposure into the environment

Do not allow to enter sewers or surface water. Advise water authority if spillage has entered water course or drainage system.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:

Form: Aerosol
Colour: Colourless
Colourless, clear

Odour: Characteristic

Odour threshold: Not determined

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pH:	Not determined.
Change in condition	
Boiling point/boiling range:	Not determined.
Flash point:	Not determined.
Flammability (solid, gas):	Extremely flammable.
Auto-ignition temperature:	Not determined.
Explosive properties:	Heating causes a rise in pressure, risk of bursting and explosion.
Explosion limits:	
Lower:	1.5 Vol % (propellant)
Upper:	16 Vol % (propellant)
Oxidising properties:	Not determined.
Vapour pressure:	< 1 hPa
Vapour density:	Not determined.
Density at 20 °C:	≈ 0.84 kg/l
Solubility in / Miscibility with water:	Not miscible
Partition coefficient: n-octanol/water:	Not determined
Viscosity	
Dynamic:	Not determined.
VOC (EC):	90 - 92 %
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity Stable under recommended transport or storage conditions.

10.2 Chemical stability No hazardous reaction when handled and stored according to provisions.

10.3 Possibility of hazardous reactions Stable at ambient temperature and under normal conditions of use.

10.4 Conditions to avoid

Keep away from ignition sources, sparks and open flames. Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

10.5 Incompatible materials: Oxidising agents, acids, bases, peroxides

10.6 Hazardous decomposition products: Formation of harmful smoke in case of combustion/explosion.

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.

CAS: 64742-49-0 hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

Oral	LD50	> 5,840 mg/kg (rat)
Dermal	LD50	> 2,920 mg/kg (rat)
Inhalative	LC50/4h	> 23.3 mg/l (rat) (OECD 403)

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Primary irritant effect:

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation Based on available data, the classification criteria are not met.

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

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

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure Based on available data, the classification criteria are not met.

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

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

For the product there are no ecotoxicological data available.

CAS: 64742-49-0 hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

LC50/96h	> 13.4 mg/l (rainbow trout, <i>Oncorhynchus mykiss</i>) (OECD 203)
EC50/48h	3 mg/l (water flea, <i>Daphnia magna</i>) (OECD 202)
EbC50/72h	10 - 30 mg/l (alga, <i>Pseudokirchneriella subcapitata</i>) (OECD 201)
NOELR/28d	1.53 mg/l (rainbow trout, <i>Oncorhynchus mykiss</i>) (QSAR Petrottox)
NOELR/21d	1 mg/l (water flea, <i>Daphnia magna</i>) (OECD 211)
NOELR/72h	6.3 mg/l (alga, <i>Pseudokirchneriella subcapitata</i>) (OECD 201)

12.2 Persistence and degradability

No further relevant information available.

Hydrocarbons, C7, n-alkanes, iso-alkanes, cyclic (64742-49-0):

Biodegradability 98 %, readily biodegradable (28 days, OECD 301F)

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.

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

16 05 04: Gases in pressure containers (including halons) containing dangerous substances

15 01 10: Packaging containing residues of or contaminated by dangerous substances

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Uncleaned packaging:

Recommendation:

Cans should be emptied completely and should preferably be recycled or reused in compliance with the local / national regulations. Cans not emptied completely or remains have to be disposed as hazardous waste.

SECTION 14: Transport information

14.1 UN-Number

ADR, IMDG, IATA

UN1950

14.2 UN proper shipping name

ADR

1950 AEROSOLS

IMDG

AEROSOLS

IATA

AEROSOLS, flammable

14.3 Transport hazard class(es)

ADR



Class

2 - 5F Gases.

Label

2.1

IMDG, IATA



Class

2.1

Label

2.1

14.4 Packing group

ADR, IMDG, IATA

Void

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Warning: Gases.

Hazard identification number (Kemler code):

-

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

Not applicable.

UN "Model Regulation":

UN1950, AEROSOLS, 2.1

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

National regulations: -

Waterhazard class:

Water hazard class (German Regulation) 1 (Self-assessment): slightly hazardous for water.

VOC (EC): 555 - 560 g/l

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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

- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H336 May cause drowsiness or dizziness.
- H361f Suspected of damaging fertility.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H411 Toxic to aquatic life with long lasting effects.

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
- MAK: maximum concentration of a chemical substance in the workplace
- AGW: occupational exposure limit
- IOELV: indicative occupational exposure limit values (EU)
- LC50: lethal concentration, 50 percent
- LD50: lethal dose, 50 percent
- EC50: maximal effective concentration, 50 percent
- EbC50: median effective concentration for biomass (algae)
- NOELR: no observed effect loading rate
- OECD: Organisation for Economic Co-operation and Development
- PBT: persistent, bioaccumulative and toxic properties
- vPvB: very persistent and very bioaccumulative properties
- 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. Gas 1: Flammable gases – Category 1
- Aerosol 1: Aerosols – Category 1
- Press. Gas (Comp.): Gases under pressure – Compressed gas
- Flam. Liq. 2: Flammable liquids – Category 2
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Repr. 2: Reproductive toxicity – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
- Asp. Tox. 1: Aspiration hazard – Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Data compared to the previous version altered -