

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 Kunststoffreiniger**1.2 Relevant identified uses of the substance or mixture and uses advised against****Application of the substance / the mixture** Cleaning agent/ Cleaner**1.3 Details of the supplier of the safety data sheet**

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1.4 Information in case of emergency: 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. 3 H226 Flammable liquid and vapour.
STOT SE 3 H336 May cause drowsiness or dizziness.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
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 substance is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS02 GHS07 GHS08

Signal word Danger**Hazard-determining components of labelling:**n-butyl acetate
hydrocarbons, C9, aromatics**Hazard statements**

H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.
H304 May be fatal if swallowed and enters airways.
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.
P261 Avoid breathing mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 Do NOT induce vomiting.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

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P501 Dispose of contents/container in accordance with national regulations.

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards
Results of PBT and vPvB assessment

This mixture does not meet the PBT- or vPvB-criteria according to Regulation (EC) No 1907/2006.

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1	n-butyl acetate Flam. Liq. 3, H226; STOT SE 3, H336	≈ 10%
EC number: 918-668-5	hydrocarbons, C9, aromatics Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336	≈ 10%
CAS: 108-67-8 EINECS: 203-604-4 Index number: 601-025-00-5	mesitylene Flam. Liq. 3, H226; Aquatic Chronic 2, H411; STOT SE 3, H335	1-2%
CAS: 100-41-4 EINECS: 202-849-4 Index number: 601-023-00-4	ethylbenzene Flam. Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H332	≤ 0.05%
CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9	xylene Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	≤ 0.05%
CAS: 108-88-3 EINECS: 203-625-9 Index number: 601-021-00-3	toluene Flam. Liq. 2, H225; Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336	≤ 0.01%
CAS: 71-43-2 EINECS: 200-753-7 Index number: 601-020-00-8	benzene Flam. Liq. 2, H225; Muta. 1B, H340; Carc. 1A, H350; STOT RE 1, H372; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Eye Irrit. 2, H319	≤ 0.001%

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:

Remove contaminated clothes.

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

After inhalation:

Move the patient to fresh air and keep at rest.

In case of breathing difficulties seek medical help immediately.

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After skin contact:

Remove contaminated clothes. Wash affected skin thoroughly with water and soap. In case of irritation seek medical treatment.

After eye contact:

Remove contact lenses and rinse opened eyes for at least 15 minutes with plenty of water. If irritation persists seek medical advice.

After swallowing:

Rinse out mouth seek medical treatment immediately.

Do not induce vomiting (danger of aspiration).

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.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable extinguishing agents: Foam, carbon dioxide, dry powder, water fog or mist.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

The colourless vapour is heavier than air, spreads along the ground and distant ignition is possible. Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.

5.3 Advice for firefighters

Protective equipment: In the case of fire wear self-contained respiratory equipment.

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 according to the 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.)

Avoid inhalation and contact with skin and eyes.

Ensure adequate ventilation.

Remove ignition sources.

Switch off all electrical devices that can create sparks.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with noncombustible absorbent material, (eg sand, diatomite, vermiculite).

Place into suitable and labelled containers for disposal.

Clean affected area with plenty of water.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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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.
Use only in area provided with appropriate exhauster.
Avoid any contact with skin, eyes and clothes.
Do not breathe fumes/aerosol.
Wash hands before break and at the end of work.

Information about fire - and explosion protection:



Keep ignition sources away - Do not smoke.

Vapours are heavier than air and will spread along the floor.
Protect against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

Requirements to be met by storerooms and receptacles:

Store in original container only in a well-ventilated, cool, dry, secure area.
Use only hydrocarbon-resistant containers, seals, pipes, etc.

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.

Recommended storage temperature: Ambient

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: 123-86-4 n-butyl acetate

WEL (Great Britain) Short-term value: 966 mg/m³, 200 ppm, Long-term value: 724 mg/m³, 150 ppm

MAK (Austria) Short-term value: 480 mg/m³, 100 ppm, Long-term value: 480 mg/m³, 100 ppm

CAS: 108-67-8 mesitylene

WEL (Great Britain) Long-term value: 125 mg/m³, 25 ppm; ILV

MAK (Austria) Short-term value: 150 mg/m³, 30 ppm, Long-term value: 100 mg/m³, 20 ppm

CAS: 1330-20-7 xylene

WEL (Great Britain) Short-term value: 441 mg/m³, 100 ppm; Long-term value: 220 mg/m³, 50 ppm; Sk; BMGV

MAK (Austria) Short-term value: 442 mg/m³, 100 ppm, Long-term value: 221 mg/m³, 50 ppm

CAS: 100-41-4 ethylbenzene

WEL (Great Britain) Short-term value: 552 mg/m³, 125 ppm, Long-term value: 441 mg/m³, 100 ppm; Sk

MAK (Austria) Short-term value: 880 mg/m³, 200 ppm, Long-term value: 440 mg/m³, 100 ppm

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CAS: 108-88-3 toluene	
WEL (Great Britain)	Short-term value: 384 mg/m ³ , 100 ppm, Long-term value: 191 mg/m ³ , 50 ppm; Sk
MAK (Austria)	Short-term value: 380 mg/m ³ , 100 ppm, Long-term value: 190 mg/m ³ , 50 ppm
CAS: 71-43-2 benzene	
WEL (Great Britain)	Long-term value: 3.25 mg/m ³ , 1 ppm; Carc; Sk
MAK (Austria)	see Annex II und III A 1
TRK (Austria)	Short-term value: 12.8 mg/m ³ , 4 ppm, Long-term value: 3.2 mg/m ³ , 1 ppm

DNELs:

n-butyl acetate (CAS 123-86-4)

workers

 Long-term exposure - local effects, inhalation: 600 mg/m³

 Long-term exposure - local effects, inhalation: 300 mg/m³

Short term and long term exposure - systemic effects, dermal: 11 mg/kg

consumers

 Long-term exposure - local effects, inhalation: 300 mg/m³

 Langzeit-Exposition - local effects, inhalation: 35.7 mg/m³

Short term and long term exposure - systemic effects, dermal: 6 mg/kg

Short term and long term exposure - systemic effects, oral: 2 mg/kg

Hydrocarbons, C9, aromatics(EINECS 918-668-5)

workers

Long-term exposure - systemic effects, dermal: 25 mg/kg/day

 Long-term exposure - systemic effects, inhalation 150 mg/m³/8h

consumers

 Long-term exposure - systemic effects, inhalation 32 mg/m³/day

Long-term exposure - systemic effects, dermal, oral 11 mg/kg/day

PNECs:

n-butyl acetate (CAS 123-86-4)

freshwater: 0.18 mg/l, marine water: 0.018 mg/l

intermittent releases: 0.36 mg/l; STP: 35.6 mg/l

sediment (freshwater): 0.981 mg/kg, (marine water): 0.0981 mg/kg

soil: 0.0903 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.

Avoid close or long term contact with the skin.

Remove contaminated clothing and wash carefully before reuse.

Do not inhale gases / fumes / aerosols.

Store protective clothing separately.

Wash hands before break and at the end of work.

Respiratory protection:

Use suitable respiratory protective device in case of insufficient ventilation.

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

Protection of hands:


Protective gloves (DIN EN 374)

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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.

Repeated or prolonged exposure

PVA or fluorinated rubber (Viton), break through time >480

In case of contact through splashing

Nitrile rubber, break through time >0.55 mm, thickness of the material >30 min

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: At risk of splashes, tightly sealed goggles or face protection.

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes. Wear fire/flame resistant/retardant clothing. Antistatic boots.

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:	Not specified
Odour:	No information.
Odour threshold:	Not determined

pH: Not applicable

Change in condition

Melting point/freezing point:	-78 °C (N-Butylacetat)
Boiling point/boiling range:	No data available

Flash point:	No data available
Flammability (solid, gas):	Not applicable.
Decomposition temperature:	No data available.
Auto-ignition temperature:	No data available

Explosive properties:	No data available
Explosion limits:	
Lower:	0,7 Vol %
Upper:	15 Vol %
Oxidising properties:	No data available

Vapour pressure:	No data available.
Evaporation rate:	No data available.
Vapour density:	No data available.

Density at 20 °C: 1 g/cm³

Solubility in / Miscibility with water: No data available.

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Partition coefficient: n-octanol/water: No data available.

Viscosity

Dynamic: No data available.

Organic solvents: ≈ 0,2 (kg/kg Produkt)

9.2 Other information No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity No dangerous reaction known under conditions of normal use.

10.2 Chemical stability Stable under usual conditions.

10.3 Possibility of hazardous reactions Forms explosive gas mixture with air.

10.4 Conditions to avoid Heat, sparks and open flames.

10.5 Incompatible materials: Strong oxidizing agents

10.6 Hazardous decomposition products:

Incomplete combustion creates smoke and toxic gases, (e.g. CO, CO₂), various hydrocarbons, aldehydes and soot.

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

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

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.

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12.5 Results of PBT and vPvB assessment No data available.

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

14 06 03: other solvents and solvent mixtures

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

15 02 02	absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by hazardous substances
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Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

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. (BUTYL ACETATES, solvent naphtha (petroleum), light arom.)

IMDG, IATA

FLAMMABLE LIQUID, N.O.S. (BUTYL ACETATES, hydrocarbons, C9, aromatics)

14.3 Transport hazard class(es)

ADR



Class

3 (F1) Flammable liquids.

Label

3

IMDG, IATA



Class

3 Flammable liquids.

Label

3

14.4 Packing group

ADR, IMDG, IATA

III

14.5 Environmental hazards:

Not applicable.

14.6 Special precautions for user

Warning: Flammable liquids.

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Danger code (Kemler):	33
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	Not applicable.
UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S. (BUTYL ACETATES, SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.), 3, III

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

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.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H340 May cause genetic defects.
- H350 May cause cancer.
- H361d Suspected of damaging the unborn child.
- H372 Causes damage to organs through prolonged or repeated exposure.
- 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
 WEL: Workplace Exposure Limit
 MAK: maximum concentration of a chemical substance in the workplace
 TRK: technical standard concentration
 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. Liq. 2: Flammable liquids – Category 2
 Flam. Liq. 3: Flammable liquids – Category 3

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Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Muta. 1B: Germ cell mutagenicity – Category 1B
Carc. 1A: Carcinogenicity – Category 1A
Repr. 2: Reproductive toxicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
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 -