

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/21/2021

Reviewed on 10/21/2021

1 Identification

- **Product identifier**
- **Trade name:** Nextzett Klima-Cleaner Pro 300 ml
- **Application of the substance / the mixture** Cleaning material/ Detergent
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Nextzett GmbH
An der Höhe 15
D-51674 Wiehl-
Marienhagen Deutschland
Tel: +49 2261 6095433
Fax: +49 2261 6095429
Email: info@nextzett.de / www.nextzett.de
- **Information department:** Chemtel
- **Emergency telephone number:** CHEMTEL 1-800-255-3924 (USA AND CANADA)

2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Aerosol 1 H222 Extremely flammable aerosol.



GHS04 Compressed Gas

Press. Gas H280 Contains gas under pressure; may explode if heated.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

- **Label elements**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms**



GHS02 GHS04 GHS07

- **Signal word** Danger
- **Hazard-determining components of labeling:**
propan-2-ol
1-methoxy-2-propanol
- **Hazard statements** Extremely flammable aerosol.

(Contd. on page 2)

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/21/2021

Reviewed on 10/21/2021

Trade name: Nextzett Klima-Cleaner Pro 300 ml

(Contd. of page 1)

Contains gas under pressure; may explode if heated.

Causes skin irritation.

Causes serious eye irritation.

May cause drowsiness or dizziness.

· **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use.

Avoid breathing dust/fume/gas/mist/vapors/spray

Wash hands thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves / eye protection / face protection. If on skin: Wash with plenty of water.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Call a poison center/doctor if you feel unwell.

Specific treatment (see on this label).

Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.

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

Store locked up.

Protect from sunlight. Store in a well-ventilated place.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Classification system:**

· **NFPA ratings (scale 0 - 4)**



Health = 2

Fire = 4

Reactivity = 3

· **HMIS-ratings (scale 0 - 4)**



Health = 2

Fire = 4

Reactivity = 3

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:** Mixture of the substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 67-63-0	propan-2-ol	≥20–≤25%
CAS: 74-98-6	propane	0–≤10%
CAS: 75-28-5	isobutane	0–≤10%

(Contd. on page 3)

Safety Data Sheet
acc. to OSHA HCS

Printing date 10/21/2021

Reviewed on 10/21/2021

Trade name: Nextzett Klima-Cleaner Pro 300 ml

(Contd. of page 2)

CAS: 107-98-2	1-methoxy-2-propanol	≤2.5%
CAS: 7664-41-7	ammonia, anhydrous	<1%

4 First-aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **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.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.
- **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.
- **Protective Action Criteria for Chemicals**

· **PAC-1:**

CAS: 67-63-0	propan-2-ol	400 ppm
CAS: 74-98-6	propane	5500* ppm
CAS: 75-28-5	isobutane	5500* ppm
CAS: 107-98-2	1-methoxy-2-propanol	100 ppm
CAS: 7664-41-7	ammonia, anhydrous	30 ppm

· **PAC-2:**

CAS: 67-63-0	propan-2-ol	2000* ppm
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(Contd. on page 4)

Safety Data Sheet
acc. to OSHA HCS

Printing date 10/21/2021

Reviewed on 10/21/2021

Trade name: Nextzett Klima-Cleaner Pro 300 ml

		(Contd. of page 3)
CAS: 74-98-6	propane	17000** ppm
CAS: 75-28-5	isobutane	17000** ppm
CAS: 107-98-2	1-methoxy-2-propanol	160 ppm
CAS: 7664-41-7	ammonia, anhydrous	160 ppm
· PAC-3:		
CAS: 67-63-0	propan-2-ol	12000** ppm
CAS: 74-98-6	propane	33000*** ppm
CAS: 75-28-5	isobutane	53000*** ppm
CAS: 107-98-2	1-methoxy-2-propanol	660 ppm
CAS: 7664-41-7	ammonia, anhydrous	1,100 ppm

7 Handling and storage

- **Handling:**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:**
Do not spray on a naked flame or any incandescent material. Keep ignition sources away - Do not smoke.
Pressurized 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.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Storage class:** 2 B
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**

· Components with limit values that require monitoring at the workplace: CAS: 67-63-0 propan-2-ol	
PEL	Long-term value: 980 mg/m ³ , 400 ppm
REL	Short-term value: 1225 mg/m ³ , 500 ppm Long-term value: 980 mg/m ³ , 400 ppm
TLV	Short-term value: 400 ppm Long-term value: 200 ppm BEI, A4
CAS: 74-98-6 propane	
PEL	Long-term value: 1800 mg/m ³ , 1000 ppm
REL	Long-term value: 1800 mg/m ³ , 1000 ppm
TLV	see Appendix F Minimal oxygen content (D, EX)

(Contd. on page 5)

Safety Data Sheet
acc. to OSHA HCS

Printing date 10/21/2021

Reviewed on 10/21/2021

Trade name: Nextzett Klima-Cleaner Pro 300 ml

(Contd. of page 4)

CAS: 75-28-5 isobutane

TLV Short-term value: 1000 ppm
(EX)

CAS: 107-98-2 1-methoxy-2-propanol

REL Short-term value: 540 mg/m³, 150 ppm
Long-term value: 360 mg/m³, 100 ppm

TLV Short-term value: 100 ppm
Long-term value: 50 ppm
A4

CAS: 7664-41-7 ammonia, anhydrous

PEL Long-term value: 35 mg/m³, 50 ppm

REL Short-term value: 27 mg/m³, 35 ppm
Long-term value: 18 mg/m³, 25 ppm

TLV Short-term value: 35 ppm
Long-term value: 25 ppm

· Ingredients with biological limit

values: CAS: 67-63-0 propan-2-ol

BEI 40 mg/L

Medium: urine

Time: end of shift at end of workweek

Parameter: Acetone (background, nonspecific)

~~· Additional information: The lists that were valid during the creation were used as basis.~~

· Exposure controls

· Personal protective equipment:

· General protective and hygienic measures: 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 and skin.

· Breathing equipment:

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:



Protective gloves

Suitable chemical resistant protective gloves (EN374) also at prolonged, direct contact (recommended protection index 6, corresponding 480 minutes permeation time according to EN 374) e.g. from Nitrilkautschuk (0,33-0,5 mm) Polyvinylchlorid (1mm).

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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.

(Contd. on page 6)

Safety Data Sheet
acc. to OSHA HCS

Printing date 10/21/2021

Reviewed on 10/21/2021

Trade name: Nextzett Klima-Cleaner Pro 300 ml

(Contd. of page 5)

· **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:**

Safety glasses



Tightly sealed goggles

· **Body protection:** Protective work clothing

9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

· Form:	Aerosol
· Color:	Colorless
· Odor:	Characteristic
· Odor threshold:	Not determined.

· **pH-value:** Mixture is non-polar/aprotic.

· **Change in condition**

· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	-44.5 °C (-48.1 °F)

· **Flash point:** -97 °C (-142.6 °F)

· **Flammability (solid, gaseous):** Not applicable.

· **Ignition temperature:** 425 °C (797 °F)

· **Decomposition temperature:** Not determined.

· **Auto igniting:** Product is not selfigniting.

· **Danger of explosion:** Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

· **Explosion limits:**

· Lower:	1.7 Vol %
· Upper:	12 Vol %

· **Vapor pressure at 20 °C (68 °F):** 8,300 hPa (6.200 mm Hg)

· **Density at 20 °C (68 °F):** 0.948 g/cm³ (7.91106 lbs/gal)

· **Relative density** Not determined.

· **Vapor density** Not determined.

· **Evaporation rate** Not applicable.

· **Solubility in / Miscibility with**

· **Water:** Fully miscible.

· **Partition coefficient (n-octanol/water):** Not determined.

· **Viscosity:**

· **Dynamic:** Not determined.

(Contd. on page 7)

Safety Data Sheet
acc. to OSHA HCS

Printing date 10/21/2021

Reviewed on 10/21/2021

Trade name: Nextzett Klima-Cleaner Pro 300 ml

(Contd. of page 6)

Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	13.5–<36 %
VOC content:	16–<46 % 436.1 g/l / 3.64 lb/gal
Solids content:	<2.0 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

ATE (Acute Toxicity Estimate) Inhalative

LC50/4 h >97.4–165 mg/l (rat)

CAS: 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)

CAS: 107-98-2 1-methoxy-2-propanol

Oral LD50 5,660 mg/kg (rat)

Dermal LD50 13,000 mg/kg (rabbit)

CAS: 7664-41-7 ammonia, anhydrous

Oral LD50 350 mg/kg (rat)

Inhalative LC50/4 h 2,000 mg/l (rat)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:

Irritant

(Contd. on page 8)

Safety Data Sheet acc. to OSHA HCS

Printing date 10/21/2021

Reviewed on 10/21/2021

Trade name: Nextzett Klima-Cleaner Pro 300 ml

(Contd. of page 7)

· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

CAS: 67-63-0 propan-2-ol

3

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health**

Administration) None of the ingredients is listed.

12 Ecological information

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability**

The surfactants contained in the product correspond to the legislation on the environmental compatibility of detergents and are biodegradable.

· **Behavior in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

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

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

13 Disposal considerations

· **Waste treatment methods**

· **Recommendation:**

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

· **Uncleaned packagings:**

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

· **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

· **UN-Number**

· **DOT, IMDG, IATA**

UN1950

· **UN proper shipping name**

· **DOT**

Aerosols, flammable

· **IMDG**

AEROSOLS

· **IATA**

AEROSOLS, flammable

(Contd. on page 9)

Safety Data Sheet
acc. to OSHA HCS

Printing date 10/21/2021

Reviewed on 10/21/2021

Trade name: Nextzett Klima-Cleaner Pro 300 ml

(Contd. of page 8)

· **Transport hazard class(es)**

· **DOT**



· **Class** 2.1 Gases
· **Label** 2.1

· **IMDG, IATA**



· **Class** 2.1 Gases
· **Label** 2.1

· **Packing group**

· **DOT, IMDG, IATA** not regulated

· **Environmental hazards:** Not applicable.

· **Special precautions for user** Warning: Gases

· **Hazard identification number (Kemler code):** -

· **EMS Number:** F-D,S-U

· **Segregation groups** Alkalis

· **Stowage Code**

SW1 Protected from sources of heat.

SW22 For AEROSOLS with a maximum capacity of 1 litre:

Category A. For AEROSOLS with a capacity above 1 litre:

Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.

· **Segregation Code**

SG69 For AEROSOLS with a maximum capacity of 1 litre:

Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.

For AEROSOLS with a capacity above 1 litre:

Segregation as for the appropriate subdivision of class 2.

For WASTE AEROSOLS:

Segregation as for the appropriate subdivision of class 2.

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

· **Transport/Additional information:**

· **DOT**

· **Quantity limitations**

On passenger aircraft/rail: 75 kg

On cargo aircraft only: 150 kg

· **IMDG**

· **Limited quantities (LQ)**

1L

· **Excepted quantities (EQ)**

Code: E0 Not permitted as Excepted Quantity

(Contd. on page 10)

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/21/2021

Reviewed on 10/21/2021

Trade name: Nextzett Klima-Cleaner Pro 300 ml

(Contd. of page 9)

· **UN "Model Regulation":** UN 1950 AEROSOLS, 2.1

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture** No further relevant information available.
- **Sara**

- **Section 355 (extremely hazardous substances):**

CAS: 7664-41-7 ammonia, anhydrous

- **Section 313 (Specific toxic chemical listings):**

CAS: 67-63-0 propan-2-ol

CAS: 7664-41-7 ammonia, anhydrous

- **TSCA (Toxic Substances Control Act):**

All components have the value ACTIVE.

- **Hazardous Air Pollutants** None

of the ingredients is listed.

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for**

females: None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental**

toxicity: None of the ingredients is listed.

- **Carcinogenic categories**

- **EPA (Environmental Protection**

Agency) None of the ingredients is listed.

- **TLV (Threshold Limit Value)**

CAS: 67-63-0 propan-2-ol

A4

- **NIOSH-Ca (National Institute for Occupational Safety and**

Health) None of the ingredients is listed.

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms**



GHS02

GHS04

GHS07

- **Signal word** Danger

- **Hazard-determining components of labeling:**

propan-2-ol

(Contd. on page 11)

Safety Data Sheet

acc. to OSHA HCS

Printing date 10/21/2021

Reviewed on 10/21/2021

Trade name: Nextzett Klima-Cleaner Pro 300 ml

(Contd. of page 10)

1-methoxy-2-propanol

- **Hazard statements** Extremely flammable aerosol.

Contains gas under pressure; may explode if heated. Causes skin irritation.

Causes serious eye irritation. May cause drowsiness or dizziness.

- **Precautionary statements**

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use.

Avoid breathing dust/fume/gas/mist/vapors/spray

Wash hands thoroughly after handling.

Use only outdoors or in a well-ventilated area.

Wear protective gloves / eye protection / face protection. If on skin: Wash with plenty of water.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Call a poison center/doctor if you feel unwell.

Specific treatment (see on this label).

Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.

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

Store locked up.

Protect from sunlight. Store in a well-ventilated place.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

Dispose of contents/container in accordance with local/regional/national/international regulations.

- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

*

6 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.

- **Contact:**

- **Date of preparation / last revision** 10/21/2021 / 2

- **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

DOT: US Department of Transportation

IATA: International Air Transport Association

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

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

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

(Contd. on page 12)

Safety Data Sheet
acc. to OSHA HCS

Printing date 10/21/2021

Reviewed on 10/21/2021

Trade name: Nextzett Klima-Cleaner Pro 300 ml

(Contd. of page 11)

PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Flam. Aerosol 1: Aerosols – Category 1
Press. Gas: Gases under pressure – Compressed gas
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
· *** Data compared to the previous version altered.**

US