

Safety Data Sheet
acc. to OSHA HCS

Printing date 12/14/2020

Reviewed on 12/14/2020

1 Identification

- Product identifier
- Trade name: *Plastic Deep Cleaner*
- Article number: 92441015 / 92441015
- Application of the substance / 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: 1-800-255-3924 (USA AND CANADA)

2 Hazard(s) identification

- Classification of the substance or mixture



GHS08 Health hazard
H350 May cause cancer.

Carc. 1A



GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.

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



GHS07 GHS08

- Signal word Danger
- Hazard-determining components of labeling:
ethanol
(R)-p-mentha-1,8-diene
- Hazard statements
May cause an allergic skin reaction.
May cause cancer.
- Precautionary statements
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace.

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- Wear protective gloves.
- Wear protective gloves/protective clothing/eye protection/face protection. If on skin: Wash with plenty of water.
- IF exposed or concerned: Get medical advice/attention.
- Specific treatment (see on this label).
- If skin irritation or rash occurs: Get medical advice/attention.
- Wash contaminated clothing before reuse.
- Store locked up.
- Dispose of contents/container in accordance with local/regional/national/international regulations.

Classification system:

- NFPA ratings (scale 0 - 4)



- HMIS-ratings (scale 0 - 4)



- 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	>2.5- <10%
CAS: 111-76-2	2-butoxyethanol	≤2.5%
CAS: 64-17-5	ethanol	≥0.1- ≤2.5%
CAS: 107-21-1	ethanediol	≤2.5%
CAS: 5989-27-5	(R)-p-mentha-1,8-diene	≥0.1- <1%

· Verordnung (EG) Nr. 648/2004 über Detergenzien / Kennzeichnung der Inhaltsstoffe

phosphates, non-ionic surfactants, soap, anionic surfactants, amphoteric surfactants	<5%
perfumes (D-LIMONENE, CITRAL, LINALOOL, GERANIOL), preservation agents (pyridine-2-thiol 1-oxide, sodium salt, BENZISOTHIAZOLINONE)	

4 First-aid measures

- Description of first aid measures
- After inhalation:
 - Supply fresh air and to be sure call for a doctor.
 - 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.

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- 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: Use fire fighting measures that suit the environment.
- 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 Not required. ·
- Environmental precautions:
- Dilute with plenty of water.
- Do not allow to enter sewers/ surface or ground water.
- Methods and material for containment and cleaning up:
- Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- 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: 111-76-2	2-butoxyethanol	60 ppm
CAS: 64-17-5	ethanol	1,800 ppm
CAS: 107-21-1	ethanediol	30 ppm
CAS: 141-43-5	2-aminoethanol	6 ppm
CAS: 5989-27-5	(R)-p-mentha-1,8-diene	15 ppm
CAS: 1336-21-6	ammonia	61 ppm
CAS: 1310-58-3	potassium hydroxide	0.18 mg/m ³
CAS: 78-93-3	butanone	200 ppm
CAS: 101-84-8	diphenyl ether	2 ppm
CAS: 112-31-2	decanal	1.8 ppm
CAS: 99-87-6	p-cymene	120 mg/m ³
CAS: 1310-73-2	sodium hydroxide	0.5 mg/m ³
CAS: 91-64-5	Coumarin	0.88 mg/m ³

· PAC-2:

CAS: 67-63-0	propan-2-ol	2000* ppm
CAS: 111-76-2	2-butoxyethanol	120 ppm

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CAS: 64-17-5	ethanol	3300* ppm
CAS: 107-21-1	ethanediol	150 ppm
CAS: 141-43-5	2-aminoethanol	170 ppm
CAS: 5989-27-5	(R)-p-mentha-1,8-diene	67 ppm
CAS: 1336-21-6	ammonia	330 ppm
CAS: 1310-58-3	potassium hydroxide	2 mg/m ³
CAS: 78-93-3	butanone	2700* ppm
CAS: 101-84-8	diphenyl ether	16 ppm
CAS: 112-31-2	decanal	19 ppm
CAS: 99-87-6	p-cymene	1,300 mg/m ³
CAS: 1310-73-2	sodium hydroxide	5 mg/m ³
CAS: 91-64-5	Coumarin	9.7 mg/m ³

· PAC-3:

CAS: 67-63-0	propan-2-ol	12000** ppm
CAS: 111-76-2	2-butoxyethanol	700 ppm
CAS: 64-17-5	ethanol	15000* ppm
CAS: 107-21-1	ethanediol	900 ppm
CAS: 141-43-5	2-aminoethanol	1,000 ppm
CAS: 5989-27-5	(R)-p-mentha-1,8-diene	170 ppm
CAS: 1336-21-6	ammonia	2,300 ppm
CAS: 1310-58-3	potassium hydroxide	54 mg/m ³
CAS: 78-93-3	butanone	4000* ppm
CAS: 101-84-8	diphenyl ether	96 ppm
CAS: 112-31-2	decanal	120 ppm
CAS: 99-87-6	p-cymene	1,900 mg/m ³
CAS: 1310-73-2	sodium hydroxide	50 mg/m ³
CAS: 91-64-5	Coumarin	58 mg/m ³

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
*Ensure good ventilation/exhaustion at the workplace.
 Open and handle receptacle with care.
 Prevent formation of aerosols.*
- **Information about protection against explosions and fires:** *Keep respiratory protective device available.*
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** *No special requirements.*
- **Information about storage in one common storage facility:** *Not required.*
- **Further information about storage conditions:** *Keep receptacle tightly sealed.*
- **Storage class:** 12
- **Specific end use(s)** *No further relevant information available.*

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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:
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the remaining constituent has no known exposure limits.

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: 984 mg/m ³ , 400 ppm Long-term value: 492 mg/m ³ , 200 ppm BEI

CAS: 111-76-2 2-butoxyethanol

PEL	Long-term value: 240 mg/m ³ , 50 ppm Skin
REL	Long-term value: 24 mg/m ³ , 5 ppm Skin
TLV	Long-term value: 97 mg/m ³ , 20 ppm BEI

CAS: 64-17-5 ethanol

PEL	Long-term value: 1900 mg/m ³ , 1000 ppm
REL	Long-term value: 1900 mg/m ³ , 1000 ppm
TLV	Short-term value: 1880 mg/m ³ , 1000 ppm

CAS: 107-21-1 ethanediol

TLV	Short-term value: 10** mg/m ³ , 50* ppm Long-term value: 25* ppm *vapor fraction: **inh. fraction, aerosol only
WEEL	I (2)

- 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)
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CAS: 111-76-2 2-butoxyethanol

BEI	200 mg/g creatinine Medium: urine Time: end of shift Parameter: Butoxyacetic acid with hydrolysis
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- 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.

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Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

· 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 nitrile gloves (0,33-0,5 mm) polyvinyl chloride (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.

· 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

· Body protection: Protective work clothing

9 Physical and chemical properties

· Information on basic physical and chemical properties ·

General Information

· Appearance:

Form:	Fluid
Color:	Orange
· Odor:	Fruit-like
· Odor threshold:	Not determined.

· pH-value at 20 °C (68 °F): <11.5

· Change in condition

Melting point/Melting range:	4 °C (39.2 °F)
Boiling point/Boiling range:	100 °C (212 °F)

· Flash point: Not applicable.

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· Flammability (solid, gaseous):	Not applicable.
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not self igniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure at 20 °C (68 °F):	23 hPa (17.3 mm Hg)
· Density at 20 °C (68 °F):	1.005 g/cm ³ (8.38673 lbs/gal)
· Relative density	Not determined.
· Vapor density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
Water:	Fully miscible.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	9.6 %
VOC content:	9.58 %
	96.3 g/l / 0.80 lb/gal
Solids content:	6.5 %
· 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)

Oral	LD50	74,000 mg/kg (rat)
Dermal	LD50	20,000 mg/kg (rab)
Inhalative	LC50/4 h	317 mg/l

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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: 111-76-2 2-butoxyethanol		
Oral	LD50	1,480 mg/kg (rat)
Dermal	LD50	400 mg/kg (rab)
CAS: 64-17-5 ethanol		
Oral	LD50	7,060 mg/kg (rat)
Inhalative	LC50/4 h	20,000 mg/l (rat)
CAS: 107-21-1 ethanediol		
Oral	LD50	5,840 mg/kg (rat)
Dermal	LD50	9,530 mg/kg (rabbit)
CAS: 5989-27-5 (R)-p-mentha-1,8-diene		
Oral	LD50	4,400 mg/kg (rat)

- Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: No irritating effect.
- Sensitization: Sensitization possible through skin contact. ·

Additional toxicological information:

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

Irritant

- Carcinogenic categories

- IARC (International Agency for Research on Cancer)

CAS: 67-63-0	propan-2-ol	3
CAS: 111-76-2	2-butoxyethanol	3
CAS: 64-17-5	ethanol	1
CAS: 5989-27-5	(R)-p-mentha-1,8-diene	3
CAS: 91-64-5	Coumarin	3
CAS: 2783-94-0	disodium 6-hydroxy-5-[(4-sulphonatophenyl)azo]naphthalene-2-sulphonate	3
CAS: 97-53-0	Eugenol	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.

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- 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.
Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.
- 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 | not regulated |
| · UN proper shipping name | |
| · DOT, IMDG, IATA | not regulated |
| · Transport hazard class(es) | |
| · DOT, ADN, IMDG, IATA | |
| · Class | not regulated |
| · Packing group | |
| · DOT, IMDG, IATA | not regulated |
| · Environmental hazards: | Not applicable. |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| · UN "Model Regulation": | not regulated |

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15 Regulatory information

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

· Section 355 (extremely hazardous substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

CAS: 67-63-0	propan-2-ol
CAS: 111-76-2	2-butoxyethanol
CAS: 107-21-1	ethanediol
CAS: 1336-21-6	ammonia

· TSCA (Toxic Substances Control Act):

CAS: 7732-18-5	water, distilled, conductivity or of similar purity	ACTIVE
CAS: 67-63-0	propan-2-ol	ACTIVE
CAS: 111-76-2	2-butoxyethanol	ACTIVE
CAS: 64-17-5	ethanol	ACTIVE
CAS: 13845-36-8	pentapotassium triphosphate	ACTIVE
CAS: 68439-50-9	Alcohols, C12-14, ethoxylated	ACTIVE
CAS: 143-18-0	potassium (Z)-oleate	ACTIVE
CAS: 107-21-1	ethanediol	ACTIVE
CAS: 141-43-5	2-aminoethanol	ACTIVE
CAS: 51981-21-6	Glutaminsäure, N,N-Diessigsäure, Tetranatriumsalz	ACTIVE
CAS: 5989-27-5	(R)-p-mentha-1,8-diene	ACTIVE
CAS: 1336-21-6	ammonia	ACTIVE
CAS: 5392-40-5	Citral	ACTIVE
CAS: 1310-58-3	potassium hydroxide	ACTIVE
CAS: 78-70-6	Linalool	ACTIVE
CAS: 115-95-7	linalyl acetate	ACTIVE
CAS: 51566-62-2	Citronellyl nitrile	ACTIVE
CAS: 78-93-3	butanone	ACTIVE
CAS: 80-56-8	alpha-Pinene	ACTIVE
CAS: 106-23-0	citronellal	ACTIVE
CAS: 110-93-0	6-Methyl-5-hepten-2-one	ACTIVE
CAS: 68855-99-2	Litsea cubeba oil	ACTIVE
CAS: 106-24-1	Geraniol	ACTIVE
CAS: 101-84-8	diphenyl ether	ACTIVE
CAS: 112-31-2	decanal	ACTIVE
CAS: 3811-73-2	pyridine-2-thiol 1-oxide, sodium salt	ACTIVE
CAS: 99-87-6	p-cymene	ACTIVE
CAS: 562-74-3	4-Carvomenthenol	ACTIVE
CAS: 13877-91-3	3,7-Dimethyl-1,3,6-octatriene	ACTIVE
CAS: 14860-53-8	tetrapotassium (1-hydroxyethylidene)bisphosphonate	ACTIVE

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· Hazardous Air Pollutants		
CAS: 107-21-1	ethanediol	
CAS: 101-84-8	diphenyl ether	
· 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:		
CAS: 64-17-5	ethanol	
CAS: 107-21-1	ethanediol	
· Carcinogenic categories		
· EPA (Environmental Protection Agency)		
CAS: 111-76-2	2-butoxyethanol	NL
CAS: 78-93-3	butanone	I
· TLV (Threshold Limit Value established by ACGIH)		
CAS: 67-63-0	propan-2-ol	A4
CAS: 111-76-2	2-butoxyethanol	A3
CAS: 64-17-5	ethanol	A3
CAS: 107-21-1	ethanediol	A4
CAS: 80-56-8	alpha-Pinene	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

 
GHS07 GHS08

- Signal word *Danger*
- Hazard-determining components of labeling:
ethanol
(R)-p-mentha-1,8-diene
- Hazard statements
May cause an allergic skin reaction.
May cause cancer.
- Precautionary statements
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace.

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Wear protective gloves.

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

IF exposed or concerned: Get medical advice/attention.

Specific treatment (see on this label).

If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

Store locked up.

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

· National regulations:

· Information about limitation of use:

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation. Exceptions can be made by the authorities in certain cases.

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

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.

· Contact:

· Date of preparation / last revision 12/14/2020 / -

· Abbreviations and acronyms:

ADR: Accord européen sur le transport 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

ACGIH: American Conference of Governmental Industrial Hygienists

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

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

BEI: Biological Exposure Limit

Skin Sens. 1: Skin sensitisation - Category 1

Carc. 1A: Carcinogenicity - Category 1A

· * Data compared to the previous version altered.