

Safety Data Sheet
acc. to OSHA HCS

Printing date 01/11/2021

Reviewed on 01/11/2021

1 Identification

- Product identifier
- Trade name: Industry Cleaner W99
- Article number: 90140515 / 90141515
- Application of the substance / the mixture *Industrial cleaner*
- 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



GHS05 Corrosion

Met. Corr.1 H290 May be corrosive to metals.
 Skin Corr. 1A H314 Causes severe skin burns and eye damage.
 Eye Dam. 1 H318 Causes serious eye damage.

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



GHS05

- Signal word *Danger*
- Hazard-determining components of labeling:
 2-aminoethanol
 Alkohol C13-iso, ethoxyliert
 sodium hydroxide
- Hazard statements
 May be corrosive to metals.
 Causes severe skin burns and eye damage.
- Precautionary statements
 Keep only in original container.
 Do not breathe dusts or mists.
 Wash hands thoroughly after handling.
 Wear eye protection / face protection.
 Wear protective gloves/protective clothing/eye protection/face protection. If
 swallowed: Rinse mouth. Do NOT induce vomiting.

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If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. 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.
Immediately call a poison center/doctor.
Specific treatment (see on this label).
Wash contaminated clothing before reuse.
Absorb spillage to prevent material damage.
Store locked up.
Store in corrosive resistant container with a resistant inner liner.
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: 111-76-2	2-butoxyethanol	>2.5-<10%
CAS: 141-43-5	2-aminoethanol	>2.5-<5%
CAS: 9043-30-5	Alkohol C13-iso, ethoxyliert	>2.5-<3%
CAS: 68439-50-9	Alcohols, C12-14, ethoxylated	≤2.5%
CAS: 51981-21-6	Glutaminsäure, N,N-Diessigsäure, Tetranatriumsalz	≤2.5%
CAS: 112-34-5	2-(2-butoxyethoxy)ethanol	≤2.5%
CAS: 90170-43-7	Dinatrium-n-(2-carboxyethyl)-n-dodecyl-β-alaninat	≤2.5%
CAS: 1310-73-2	sodium hydroxide	≥0.5-<2%

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

non-ionic surfactants	≥5 - <15%
amphoteric surfactants	<5%
perfumes (D-LIMONENE, CITRAL)	

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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. Then consult a doctor.
- After swallowing: Drink copious amounts of water and provide fresh air. Immediately call a 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
During heating or in case of fire poisonous gases are produced.
- Advice for firefighters
- Protective equipment: Mouth respiratory protective device.

6 Accidental release measures

- Personal precautions, protective equipment and emergency procedures Mount respiratory protective device.
- Wear protective equipment. Keep unprotected persons away.
- 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). Use neutralizing agent.
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-I:

CAS: 111-76-2	2-butoxyethanol	60 ppm
CAS: 141-43-5	2-aminoethanol	6 ppm
CAS: 112-34-5	2-(2-butoxyethoxy)ethanol	30 ppm
CAS: 1310-73-2	sodium hydroxide	0.5 mg/m ³
CAS: 5989-27-5	(R)-p-mentha-1,8-diene	15 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

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· PAC-2:		
CAS: 111-76-2	2-butoxyethanol	120 ppm
CAS: 141-43-5	2-aminoethanol	170 ppm
CAS: 112-34-5	2-(2-butoxyethoxy)ethanol	33 ppm
CAS: 1310-73-2	sodium hydroxide	5 mg/m ³
CAS: 5989-27-5	(R)-p-mentha-1,8-diene	67 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
· PAC-3:		
CAS: 111-76-2	2-butoxyethanol	700 ppm
CAS: 141-43-5	2-aminoethanol	1,000 ppm
CAS: 112-34-5	2-(2-butoxyethoxy)ethanol	200 ppm
CAS: 1310-73-2	sodium hydroxide	50 mg/m ³
CAS: 5989-27-5	(R)-p-mentha-1,8-diene	170 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

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
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:** 8 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:**
The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.
At this time, the other constituents have no known exposure limits.

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CAS: 111-76-2 2-butoxyethanol

PEL Long-term value: 240 mg/m³, 50 ppm
Skin

REL Long-term value: 24 mg/m³, 5 ppm
Skin

TLV Long-term value: 97 mg/m³, 20 ppm
BEI

CAS: 141-43-5 2-aminoethanol

PEL Long-term value: 6 mg/m³, 3 ppm

REL Short-term value: 15 mg/m³, 6 ppm
Long-term value: 8 mg/m³, 3 ppm

TLV Short-term value: 15 mg/m³, 6 ppm
Long-term value: 7.5 mg/m³, 3 ppm

CAS: 112-34-5 2-(2-butoxyethoxy)ethanol

TLV Long-term value: 67.5* mg/m³, 10* ppm
*Inhalable fraction and vapor

CAS: 1310-73-2 sodium hydroxide

PEL Long-term value: 2 mg/m³

REL Ceiling limit value: 2 mg/m³

TLV Ceiling limit value: 2 mg/m³

· Ingredients with biological limit values:

CAS: 111-76-2 2-butoxyethanol

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

· 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.

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 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.

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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:	Red
· Odor:	Fruit-like
· Odor threshold:	Not determined.

· pH-value at 20 °C (68 °F): 13.4

· Change in condition

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

· Flash point: Not applicable.

· Flammability (solid, gaseous): Not applicable.

· Decomposition temperature: Not determined.

· Auto igniting: Product is not selfigniting.

· 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): 1.032 g/cm³ (8.61204 lbs/gal)

· Relative density: Not determined.

· Vapor density: Not determined.

· Evaporation rate: Not determined.

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· 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:	9.1 %
VOC content:	9.07 %
	93.6 g/l / 0.78 lb/gal
· Solids content:	10.3 %
· 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	10,074 mg/kg
Dermal	LD50	7,407 mg/kg
Inhalative	LC50/4 h	157 mg/l

CAS: 111-76-2 2-butoxyethanol

Oral	LD50	1,480 mg/kg (rat)
Dermal	LD50	400 mg/kg (rab)

CAS: 141-43-5 2-aminoethanol

Oral	LD50	2,050 mg/kg (rat)
Dermal	LD50	1,000 mg/kg (rabbit)

CAS: 112-34-5 2-(2-butoxyethoxy)ethanol

Oral	LD50	5,660 mg/kg (rat)
Dermal	LD50	4,000 mg/kg (rabbit)

CAS: 1310-73-2 sodium hydroxide

Oral	LD50	2,000 mg/kg (rat)
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- Primary irritant effect:
- on the skin: Strong caustic effect on skin and mucous membranes. · on the eye:

Strong caustic effect.

Strong irritant with the danger of severe eye injury.

- Sensitization: No sensitizing effects known.

- Additional toxicological information:

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

Corrosive

Irritant

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

- Carcinogenic categories

- IARC (International Agency for Research on Cancer)

CAS: 111-76-2	2-butoxyethanol	3
CAS: 5989-27-5	(R)-p-mentha-1,8-diene	3
CAS: 915-67-3	trisodium 3-hydroxy-4-(4'-sulphonatonaphthylazo)naphthalene-2,7-disulphonate	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.

- 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 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

Danger to drinking water if even small quantities leak into the ground.

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.

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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	UN1719
· DOT, IMDG, IATA	
· UN proper shipping name	Caustic alkali liquids, n.o.s. (Sodium hydroxide, Ethanolamine)
· DOT	
· IMDG, IATA	CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE, ETHANOLAMINE)
· Transport hazard class(es)	
· DOT	
	
· Class	8 Corrosive substances
· Label	8
· IMDG, IATA	
	
· Class	8 Corrosive substances
· Label	8
· Packing group	
· DOT, IMDG, IATA	III
· Environmental hazards:	Not applicable.
· Special precautions for user	Warning: Corrosive substances
· Hazard identification number (Kemler code):	80
· EMS Number:	F-A,S-B
· Segregation groups	Alkalis
· Stowage Category	A
· Segregation Code	SG22 Stow "away from" ammonium salts SG35 Stow "separated from" SGG1-acids
· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

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· **Transport/Additional information:**

· DOT

· Quantity limitations

On passenger aircraft/rail: 5 L
On cargo aircraft only: 60 L

· IMDG

· Limited quantities (LQ)
· Excepted quantities (EQ)

5L
Code: E1
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 1000 ml

· UN "Model Regulation":

UN 1719 CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE, ETHANOLAMINE), 8, III

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):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

CAS: 111-76-2 2-butoxyethanol

CAS: 112-34-5 2-(2-butoxyethoxy)ethanol

· TSCA (Toxic Substances Control Act):

CAS: 7732-18-5 water, distilled, conductivity or of similar purity ACTIVE

CAS: 111-76-2 2-butoxyethanol ACTIVE

CAS: 141-43-5 2-aminoethanol ACTIVE

CAS: 9043-30-5 Alkohol C13-iso, ethoxyliert ACTIVE

CAS: 68439-50-9 Alcohols, C12-14, ethoxylated ACTIVE

CAS: 51981-21-6 Glutaminsäure, N,N-Diessigsäure, Tetranatriumsalz ACTIVE

CAS: 112-34-5 2-(2-butoxyethoxy)ethanol ACTIVE

CAS: 1310-73-2 sodium hydroxide ACTIVE

CAS: 5989-27-5 (R)-p-mentha-1,8-diene ACTIVE

CAS: 5392-40-5 Citral ACTIVE

CAS: 51566-62-2 Citronellyl nitrile 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: 101-84-8 diphenyl ether ACTIVE

CAS: 112-31-2 decanal ACTIVE

CAS: 106-24-1 Geraniol ACTIVE

CAS: 99-87-6 p-cymene ACTIVE

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CAS: 915-67-3	trisodium 3-hydroxy-4-(4'-sulphonatonaphthylazo)naphthalene-2,7-disulphonate	ACTIVE
CAS: 98-55-5	alpha-Terpineol	ACTIVE
CAS: 112-54-9	Lauric aldehyde	ACTIVE
CAS: 8002-09-3	Yarmor Pine oil, synthetic	ACTIVE
CAS: 106-22-9	dl-Citronellol	ACTIVE
CAS: 78-70-6	Linalool	ACTIVE
CAS: 150-84-5	Citronellyl acetate	ACTIVE
CAS: 8007-02-1	Lemongrass	ACTIVE
CAS: 8007-35-0	Terpinyl acetate (Isomer mixture)	ACTIVE
CAS: 1934-21-0	trisodium 5-hydroxy-1-(4-sulphophenyl)-4-(4-sulphophenylazo)pyrazole-3-carboxylate	ACTIVE
CAS: 73018-51-6	1,6-Octadien-3-ol, 3,7-dimethyl-, acid-isomerized	ACTIVE

· Hazardous Air Pollutants

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:

None of the ingredients is listed.

· Carcinogenic categories

· EPA (Environmental Protection Agency)

CAS: 111-76-2 2-butoxyethanol NL

· TLV (Threshold Limit Value established by ACGIH)

CAS: 111-76-2 2-butoxyethanol A3

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



GHS05

· Signal word Danger

· Hazard-determining components of labeling:

2-aminoethanol

Alcohol C13-iso, ethoxyliert

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sodium hydroxide

· Hazard statements

May be corrosive to metals.

Causes severe skin burns and eye damage.

· Precautionary statements

Keep only in original container.

Do not breathe dusts or mists.

Wash hands thoroughly after handling.

Wear eye protection / face protection.

Wear protective gloves/protective clothing/eye protection/face protection. If

swallowed: Rinse mouth. Do NOT induce vomiting.

If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. 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.

Immediately call a poison center/doctor.

Specific treatment (see on this label).

Wash contaminated clothing before reuse.

Absorb spillage to prevent material damage.

Store locked up.

Store in corrosive resistant container with a resistant inner liner.

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

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 01/11/2021 / -

· 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

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

Met. Corr. 1: Corrosive to metals - Category 1

Skin Corr. 1A: Skin corrosion/irritation - Category 1A

Eye Dam. 1: Serious eye damage/eye irritation - Category 1

· * Data compared to the previous version altered.