

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 16 Feb 2024

Print date: 16 Feb 2024

Version: 2



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Nuke Guys Felgenreiniger ph Neutral

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name/designation:

Nuke Guys Felgenreiniger ph Neutral

Article No.:

20032236

UFI:

YC00-60J1-0006-G9SX

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture:

Cleaning agent

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Motodox GmbH

Niedernberger Strasse 10

63741 Aschaffenburg

Germany

Telephone: +49 (0) 6021 45480 0

E-mail: service@motodox.de

Website: www.motodox.de

E-mail (competent person): vl@motodox.de

1.4. Emergency telephone number

24h: +49 172 6917313, +49 6021 45480 88 (Only available during office hours.)

SECTION 2: Hazards identification

* 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	Calculation method.
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	Calculation method.
Serious eye damage/eye irritation (<i>Eye Dam. 1</i>)	H318: Causes serious eye damage.	Calculation method.

* 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms:



GHS05
Corrosion



GHS07
Exclamation mark

Signal word: Danger

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Hazard components for labelling:

1,2-benzisothiazol-3(2H)-one; 2-methyl-2H-isothiazol-3-one; Alcohols, C12-14, ethoxylated, sulfates, sodium salts; sodium mercaptoacetate

Hazard statements for health hazards

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

Supplemental hazard information

EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

Precautionary statements Prevention

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

Precautionary statements Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

Precautionary statements Disposal

P501 Dispose of contents/container to an appropriate recycling or disposal facility.

2.3. Other hazards

No data available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Description:

SVHC: Dieses Produkt enthält keine besonders besorgniserregenden Stoffe (REACH-Verordnung (EG) Nr. 1907/2006, Artikel 57).

Additional information:

Verordnung (EG) Nr. 648/2004 über Detergenzien / Kennzeichnung der Inhaltsstoffe: anionische Tenside, Konservierungsmittel (PHENOXYETHANOL, 2-n-Butylbenzo[d] isothiazol-3-on, N-(3-Aminopropyl)-N-dodecylpropan-1,3-diamin), Duftstoffe (D-Limonene, D,L-alpha-Pinen, GERANIOL, CITRAL, alpha-Hexylzimaldehyd, LINALOOL, Dimethylcyclohex-3-en-1-carbaldehyd) <5%

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 367-51-1 EC No.: 206-696-4	sodium mercaptoacetate Acute Tox. 4 (H302), Eye Irrit. 2 (H319), Skin Irrit. 2 (H315) ⚠ Warning	5 - ≤ 11 weight-%
CAS No.: 68891-38-3 EC No.: 500-234-8	Alcohols, C12-14, ethoxylated, sulfates, sodium salts Aquatic Chronic 3 (H412), Eye Dam. 1 (H318), Skin Irrit. 2 (H315) ⚠ Danger	1 - ≤ 3 weight-%
CAS No.: 15763-76-5 EC No.: 239-854-6	sodium p-cumenesulphonate Eye Irrit. 2 (H319) ⚠ Warning	0 - ≤ 1.5 weight-%
CAS No.: 112-34-5 EC No.: 203-961-6 Index No.: 603-096-00-8 REACH No.: 01-2119475104-44	2-(2-butoxyethoxy)ethanol Eye Irrit. 2 (H319) ⚠ Warning	0 - ≤ 1.1 weight-%

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Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 2634-33-5 EC No.: 220-120-9 Index No.: 613-088-00-6 REACH No.: 01-2120761540-60	1,2-benzisothiazol-3(2H)-one Acute Tox. 4 (H302), Aquatic Acute 1 (H400), Eye Dam. 1 (H318), Skin Irrit. 2 (H315), Skin Sens. 1 (H317) Danger Specific concentration limit (SCL) Skin Sens. 1; H317: C ≥ 0.05%	0 - ≤ 0.005 weight-%
CAS No.: 2682-20-4 EC No.: 220-239-6 Index No.: 613-326-00-9	2-methyl-2H-isothiazol-3-one Acute Tox. 2 (H330), Acute Tox. 3 (H311, H301), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Eye Dam. 1 (H318), Skin Corr. 1B (H314), Skin Sens. 1A (H317) Danger EUH071 M-factor (acute): 10 M-factor (chronic): 1 Specific concentration limit (SCL) Skin Sens. 1A; H317: C ≥ 0.0015%	0 - ≤ 0.005 weight-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

* 4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended. Warning First aider: Pay attention to self-protection!

Following inhalation:

Provide fresh air. In case of respiratory tract irritation, consult a physician.

In case of skin contact:

Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. After contact with skin, wash immediately with plenty of water and soap.

After eye contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion:

Rinse mouth. Get medical advice/attention if you feel unwell. Let 1 glass of water be drunken in little sips (dilution effect).

Self-protection of the first aider:

Use personal protection equipment.

* 4.2. Most important symptoms and effects, both acute and delayed

Allergic reactions Skin corrosion/irritation Serious eye damage/eye irritation

* 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

* 5.1. Extinguishing media

Suitable extinguishing media:

,,, Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media:

Full water jet

* 5.2. Special hazards arising from the substance or mixture

The product itself does not burn.

Hazardous combustion products:

In case of fire: Gases/vapours, toxic

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5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Remove persons to safety.

Protective equipment:

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

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up:

Water (with cleaning agent)

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

* 7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8).

Fire prevent measures:

No special measures are necessary.

Advices on general occupational hygiene

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

Storage class (TRGS 510, Germany): 12 - non-combustible liquids that cannot be assigned to any of the above storage classes

7.3. Specific end use(s)

No data available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
TRGS 900 (DE) from 29 Mar 2019	sodium mercaptoacetate CAS No.: 367-51-1 EC No.: 206-696-4	① 2 mg/m ³ ② 4 mg/m ³ ⑤ (eintembare Fraktion, kann über die Haut aufgenommen werden) DFG, Y, H, Sh
TRGS 900 (DE) from 1 Mar 2011	2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	① 10 ppm (67 mg/m ³) ② 15 ppm (100.5 mg/m ³) ⑤ (Aerosol und Dampf) EU, DFG, Y, 11
IOELV (EU)	2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6	① 10 ppm (67.5 mg/m ³) ② 15 ppm (101.2 mg/m ³)
DFG (DE)	2-methyl-2H-isothiazol-3-one CAS No.: 2682-20-4 EC No.: 220-239-6	① 0.2 mg/m ³ ② 0.4 mg/m ³ ⑤ eintembare Fraktion (Reaktionsgemisch, bestehend aus 5-Chlor-2-methyl-2H-isothiazol-3-on und 2-Methyl-2H-isothiazol-3-on (3:1)) Sh

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment



Eye/face protection:

Eye glasses with side protection EN 166

Skin protection:

Tested protective gloves must be worn EN ISO 374

Suitable material: NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber)

Breakthrough time: 480min

In the case of wanting to use the gloves again, clean them before taking off and air them well.

Breakthrough times and swelling properties of the material must be taken into consideration.

8.2.3. Environmental exposure controls

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: orange

Odour: parfümiert

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Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	≈ 7.5	20 °C	
Melting point	No data available		
Freezing point	No data available		
Initial boiling point and boiling range	> 100 °C		
Decomposition temperature	No data available		
Flash point	not applicable		
Evaporation rate	No data available		
Auto-ignition temperature	No data available		
Upper/lower flammability or explosive limits	No data available		
Vapour pressure	No data available		
Vapour density	No data available		
Density	1.05 g/cm ³	20 °C	
Relative density	No data available		
Bulk density	No data available		
Water solubility	completely miscible		
Partition coefficient: n-octanol/water	No data available		
Dynamic viscosity	No data available	40 °C	
Kinematic viscosity	No data available	40 °C	

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product itself does not burn.

10.2. Chemical stability

No data available

10.3. Possibility of hazardous reactions

No data available

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

In case of fire: Gases/vapours, toxic

SECTION 11: Toxicological information

* 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

sodium mercaptoacetate CAS No.: 367-51-1 EC No.: 206-696-4
LD₅₀ oral: 504 mg/kg (Rat)
LD₅₀ dermal: >798 - ≤1,596 mg/kg (rat) OECD Guideline 402 (Acute Dermal Toxicity)
Alcohols, C12-14, ethoxylated, sulfates, sodium salts CAS No.: 68891-38-3 EC No.: 500-234-8
LD₅₀ oral: >540 mg/kg (rat) OECD Guideline 401 (Acute Oral Toxicity)
LD₅₀ dermal: >540 mg/kg (rat) OECD Guideline 402 (Acute Dermal Toxicity)

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sodium p-cumenesulphonate CAS No.: 15763-76-5 EC No.: 239-854-6
LD₅₀ oral: ≥3,346 mg/kg (rat)
LD₅₀ dermal: ≥2,000 mg/kg (rabbit)
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6
LD₅₀ oral: 7,290 mg/kg (Rat)
LD₅₀ dermal: 2,760 mg/kg (Rabbit)
LC₅₀ Acute inhalation toxicity (vapour): <5.34 mg/L 4 h (Rat)
1,2-benzisothiazol-3(2H)-one CAS No.: 2634-33-5 EC No.: 220-120-9
LD₅₀ oral: 1,020 mg/kg (Rat)
LD₅₀ dermal: >5,000 mg/kg (Rat) OECD 402
2-methyl-2H-isothiazol-3-one CAS No.: 2682-20-4 EC No.: 220-239-6
LD₅₀ oral: 120 mg/kg (rat) EPA OPPTS 870.1100 (Acute Oral Toxicity)
LD₅₀ dermal: 242 mg/kg (rat)
LC₅₀ Acute inhalation toxicity (dust/mist): 0.1 mg/L 4 h (rat) OECD Guideline 403 (Acute Inhalation Toxicity)

Acute oral toxicity:

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

Acute dermal toxicity:

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

Acute inhalation toxicity:

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

Skin corrosion/irritation:

Causes skin irritation.

Serious eye damage/irritation:

Causes serious eye damage.

Respiratory or skin sensitisation:

May cause an allergic skin reaction. Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

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:

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

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.

Additional information:

No data available

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

* 12.1. Toxicity

sodium mercaptoacetate CAS No.: 367-51-1 EC No.: 206-696-4
LC₅₀: >100 mg/L 4 d (fish, <i>Oncorhynchus mykiss</i> (previous name: <i>Salmo gairdneri</i>)) OECD Guideline 203 (Fish, Acute Toxicity Test)
EC₅₀: 38 mg/L 2 d (crustaceans, <i>Daphnia magna</i>)
NOEC: 100 mg/L 4 d (fish, <i>Oncorhynchus mykiss</i> (previous name: <i>Salmo gairdneri</i>)) OECD Guideline 203 (Fish, Acute Toxicity Test)

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Alcohols, C12-14, ethoxylated, sulfates, sodium salts CAS No.: 68891-38-3 EC No.: 500-234-8
LC₅₀ : 7.1 mg/L 4 d (fish, Danio rerio (previous name: Brachydanio rerio))
LC₅₀ : 1.17 mg/L 4 d (crustaceans, Daphnia magna) OECD Guideline 211 (Daphnia magna Reproduction Test)
EC₅₀ : 27.7 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus))
EC₅₀ : 7.4 mg/L 2 d (crustaceans, Daphnia magna)
NOEC : 0.95 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus (previous name: Scenedesmus subspicatus))
NOEC : 0.14 mg/L 28 d (fish, Oncorhynchus mykiss (previous name: Salmo gairdneri))
NOEC : 0.27 mg/L 21 d (crustaceans, Daphnia magna) OECD Guideline 211 (Daphnia magna Reproduction Test)
sodium p-cumenesulphonate CAS No.: 15763-76-5 EC No.: 239-854-6
LC₅₀ : ≥252 mg/L 4 d (fish, Danio rerio (previous name: Brachydanio rerio)) OECD Guideline 203 (Fish, Acute Toxicity Test)
EC₅₀ : 252 mg/L 3 d (Algae/water plant, Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)) OECD Guideline 201 (Freshwater Alga and Cyanobacteria, Growth Inhibition Test)
EC₅₀ : >304 mg/L 2 d (crustaceans, Daphnia magna) OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6
LC₅₀ : 1,300 mg/L 4 d (fish, Lepomis macrochirus (Bluegill))
LC₅₀ : 1,300 mg/L 4 d (fish, Lepomis macrochirus (Bluegill)) OECD 203
LC₅₀ : 1,300 mg/L 4 d (fish, Lepomis macrochirus static)
EC₅₀ : >100 mg/L 2 d (crustaceans, Daphnia magna (Big water flea))
EC₅₀ : >100 mg/L 4 d (Algae/water plant, Scenedesmus subspicatus)
EC₅₀ : >100 mg/L 2 d (crustaceans, Daphnia magna (Big water flea)) OECD 202
ErC₅₀ : >100 mg/L 4 d (Algae/water plant, Desmodesmus subspicatus (Grünalge)) OECD 201
1,2-benzisothiazol-3(2H)-one CAS No.: 2634-33-5 EC No.: 220-120-9
LC₅₀ : 0.8 mg/L 4 d (fish, Oncorhynchus mykiss (Rainbow trout))
EC₅₀ : 4.4 mg/L 2 d (crustaceans, Daphnia magna (Big water flea))
LC₅₀ : 2.15 mg/L 4 d (fish, Oncorhynchus mykiss (Rainbow trout)) OECD 203
EC₅₀ : 2.9 mg/L 2 d (crustaceans, Daphnia magna (Big water flea)) OECD 202
NOEC : 0.04 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata) OECD 201
ErC₅₀ : 0.11 mg/L 3 d (Algae/water plant, Selenastrum capricornutum) OECD 201
LC₅₀ : 2.18 mg/L 4 d (fish, Oncorhynchus mykiss (Rainbow trout))
EC₅₀ : 2.94 mg/L 2 d (crustaceans, Daphnia magna (Big water flea))
NOEC : 0.027 mg/L 3 d (Algae/water plant, Skeletonema costatum (Kieselalge))
ErC₅₀ : 0.11 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata (Grünalge))

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2-methyl-2H-isothiazol-3-one CAS No.: 2682-20-4 EC No.: 220-239-6

LC₅₀: 6.2 mg/L 2 d (fish, *Oncorhynchus mykiss* (previous name: *Salmo gairdneri*))

LC₅₀: 6 mg/L 3 d (fish, *Oncorhynchus mykiss* (previous name: *Salmo gairdneri*))

LC₅₀: 4.77 mg/L 4 d (fish, *Oncorhynchus mykiss* (previous name: *Salmo gairdneri*))

LC₅₀: 0.934 mg/L 2 d (crustaceans, *Daphnia magna*)

LC₅₀: 1.81 mg/L 4 d (crustaceans, *Americamysis bahia* (previous name: *Mysidopsis bahia*)) EPA OPPTS 850.1035 (Mysid Acute Toxicity Test)

EC₅₀: 0.063 mg/L 4 d (Algae/water plant, *Raphidocelis subcapitata* (previous names: *Pseudokirchneriella subcapitata*, *Selenastrum capricornutum*))

EC₅₀: 1.6 mg/L 2 d (crustaceans, *Daphnia magna*)

NOEC: 0.02 mg/L 1 d (Algae/water plant, *Raphidocelis subcapitata* (previous names: *Pseudokirchneriella subcapitata*, *Selenastrum capricornutum*))

NOEC: 0.01 mg/L 4 d (Algae/water plant, *Raphidocelis subcapitata* (previous names: *Pseudokirchneriella subcapitata*, *Selenastrum capricornutum*))

NOEC: 0.9 mg/L 1 d (crustaceans, *Daphnia magna*)

NOEC: 0.9 mg/L 2 d (crustaceans, *Daphnia magna*)

NOEC: 1.3 mg/L 4 d (crustaceans, *Americamysis bahia* (previous name: *Mysidopsis bahia*)) EPA OPPTS 850.1035 (Mysid Acute Toxicity Test)

NOEC: 0.044 mg/L 21 d (crustaceans, *Daphnia magna*)

LOEC: 0.089 mg/L 21 d (crustaceans, *Daphnia magna*)

* 12.2. Persistence and degradability

2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6

Biodegradation: Poorly biodegradable.

1,2-benzisothiazol-3(2H)-one CAS No.: 2634-33-5 EC No.: 220-120-9

Biodegradation: Yes, rapidly

* 12.3. Bioaccumulative potential

sodium mercaptoacetate CAS No.: 367-51-1 EC No.: 206-696-4

Log K_{ow}: 2.99

Alcohols, C12-14, ethoxylated, sulfates, sodium salts CAS No.: 68891-38-3 EC No.: 500-234-8

Log K_{ow}: 0.3

sodium p-cumenesulphonate CAS No.: 15763-76-5 EC No.: 239-854-6

Log K_{ow}: 3.18

2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6

Log K_{ow}: 1

1,2-benzisothiazol-3(2H)-one CAS No.: 2634-33-5 EC No.: 220-120-9

Log K_{ow}: 0.7

Bioconcentration factor (BCF): 6.95

2-methyl-2H-isothiazol-3-one CAS No.: 2682-20-4 EC No.: 220-239-6

Log K_{ow}: 0.71

Bioconcentration factor (BCF): 48.1 Species: *Lepomis macrochirus*

Partition coefficient: n-octanol/water:

No data available

12.4. Mobility in soil

No data available

* 12.5. Results of PBT and vPvB assessment

sodium mercaptoacetate CAS No.: 367-51-1 EC No.: 206-696-4

Results of PBT and vPvB assessment: —

Alcohols, C12-14, ethoxylated, sulfates, sodium salts CAS No.: 68891-38-3 EC No.: 500-234-8

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

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sodium p-cumenesulphonate CAS No.: 15763-76-5 EC No.: 239-854-6

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

2-(2-butoxyethoxy)ethanol CAS No.: 112-34-5 EC No.: 203-961-6

Results of PBT and vPvB assessment: —

1,2-benzisothiazol-3(2H)-one CAS No.: 2634-33-5 EC No.: 220-120-9

Results of PBT and vPvB assessment: —

2-methyl-2H-isothiazol-3-one CAS No.: 2682-20-4 EC No.: 220-239-6

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Waste treatment options

Appropriate disposal / Product:

Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

15.1.1. EU legislation

No data available

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15.1.2. National regulations

 [DE] National regulations

Water hazard class

WGK:

1 - slightly hazardous to water

15.2. Chemical Safety Assessment

No data available

SECTION 16: Other information

* 16.1. Indication of changes

2.1.	Classification of the substance or mixture
2.2.	Label elements
3.2.	Mixtures
4.1.	Description of first aid measures
4.2.	Most important symptoms and effects, both acute and delayed
5.1.	Extinguishing media
5.2.	Special hazards arising from the substance or mixture
7.1.	Precautions for safe handling
8.1.	Control parameters
9.1.	Information on basic physical and chemical properties
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008
12.1.	Toxicity
12.2.	Persistence and degradability
12.3.	Bioaccumulative potential
12.5.	Results of PBT and vPvB assessment
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
16.1.	Indication of changes
16.2.	Abbreviations and acronyms
16.3.	Key literature references and sources for data
16.4.	Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
16.5.	List of relevant hazard statements and/or precautionary statements from sections 2 to 15

* 16.2. Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DIN	German Institute for Standardization / German Industrial Standard
DNEL	derived no-effect level
EC ₅₀	Effective Concentration 50%
EN	European Standard
ES	Exposure scenario
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
LC ₅₀	Lethal (fatal) Concentration 50%
LD ₅₀	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development

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PBT persistent and bioaccumulative and toxic
PNEC Predicted No Effect Concentration
REACH Registration, Evaluation and Authorization of Chemicals
RID Dangerous goods regulations for transport by rail
SCL Specific concentration limit
SVHC substances of very high concern
TRGS Technische Regeln für Gefahrstoffe
UN United Nations
VOC Volatile organic compounds

* 16.3. Key literature references and sources for data

Substance name	Type	source of supply
sodium p-cumenesulphonate CAS No.: 15763-76-5 EC No.: 239-854-6	Classification of the substance or mixture; LD ₅₀ oral; LD ₅₀ dermal; LC ₅₀ ; EC ₅₀	Source: European Chemicals Agency, http://echa.europa.eu/
sodium mercaptoacetate CAS No.: 367-51-1 EC No.: 206-696-4	LD ₅₀ dermal; LC ₅₀ ; EC ₅₀ ; NOEC	Source: European Chemicals Agency, http://echa.europa.eu/
Alcohols, C12-14, ethoxylated, sulfates, sodium salts CAS No.: 68891-38-3 EC No.: 500-234-8	LD ₅₀ oral; LD ₅₀ dermal; LC ₅₀ ; EC ₅₀ ; NOEC	Source: European Chemicals Agency, http://echa.europa.eu/
2-methyl-2H-isothiazol-3-one CAS No.: 2682-20-4 EC No.: 220-239-6	LD ₅₀ oral; LD ₅₀ dermal; LC ₅₀ Acute inhalation toxicity (dust/mist); LC ₅₀ ; EC ₅₀ ; NOEC; LOEC	Source: European Chemicals Agency, http://echa.europa.eu/

* 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Skin corrosion/irritation (<i>Skin Irrit. 2</i>)	H315: Causes skin irritation.	Calculation method.
Respiratory or skin sensitisation (<i>Skin Sens. 1</i>)	H317: May cause an allergic skin reaction.	Calculation method.
Serious eye damage/eye irritation (<i>Eye Dam. 1</i>)	H318: Causes serious eye damage.	Calculation method.

* 16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Supplemental hazard information	
EUH071	Corrosive to the respiratory tract.

16.6. Training advice

No data available

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16.7. Additional information

No data available

* Data changed compared with the previous version.