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Safety data sheet

BASF Safety data sheet according to the United Nations' Globally Harmonized System (UN GHS)
Date / Revised: 07.09.2023 Version: 3.0
Product: **Neutralize Tank Cleaner**

(ID no. 30649670/SDS_GEN_00/EN)
Date of print 09.12.2024

1. Identification

Product identifier

Neutralize Tank Cleaner

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

Relevant identified uses: Cleansers

Details of the supplier of the safety data sheet

Company:
BASF SE
67056 Ludwigshafen
GERMANY
Operating Division Crop Protection

Telephone: +49 621 60-27777
E-mail address: Produktinformation-Pflanzenschutz@basf.com

Emergency telephone number

International emergency number:
Telephone: +49 180 2273-112

2. Hazards Identification

Classification of the substance or mixture

According to UN GHS criteria

Acute Tox. 4 (oral)
Skin Corr./Irrit. 2
Eye Dam./Irrit. 1
Aquatic Acute 2

Aquatic Chronic 3

For the classifications not written out in full in this section the full text can be found in section 16.

Label elements

Globally Harmonized System (GHS)

Pictogram:

Signal Word:
Danger

Hazard Statement:

H318	Causes serious eye damage.
H315	Causes skin irritation.
H302	Harmful if swallowed.
H412	Harmful to aquatic life with long lasting effects.
H401	Toxic to aquatic life.

Precautionary Statement:

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):

P280	Wear protective gloves and eye protection or face protection.
P270	Do not eat, drink or smoke when using this product.
P264	Wash contaminated body parts thoroughly after handling.

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.
P310	Immediately call a POISON CENTER or physician.
P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P330	Rinse mouth.
P362 + P364	Take off contaminated clothing and wash it before reuse.

Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.

According to UN GHS criteria

Hazard determining component(s) for labelling: Alcohols, C9-11, ethoxylated

Other hazards

According to UN GHS criteria

See section 12 - Results of PBT and vPvB assessment.

If applicable information is provided in this section on other hazards which do not result in classification but which may contribute to the overall hazards of the substance or mixture.

3. Composition/Information on Ingredients

Substances

Not applicable

Mixtures

Chemical nature

Cleaning Agent

Hazardous ingredients (GHS)
According to UN GHS criteria

Alcohols, C9-11, ethoxylated

Content (W/W): < 20 %	Acute Tox. 4 (oral)
CAS Number: 68439-46-3	Eye Dam./Irrit. 1
	Aquatic Acute 2
	H318, H302, H401

Sodium dodecylbenzenesulfonate

Content (W/W): < 10 %	Acute Tox. 4 (oral)
CAS Number: 25155-30-0	Skin Corr./Irrit. 2
EC-Number: 246-680-4	Aquatic Chronic 3
	Eye Dam./Irrit. 1
	Aquatic Acute 2
	H318, H315, H302, H412, H401

Polyethyleneglycolmonoalkylethersulphate, sodium salt

Content (W/W): < 10 %	Skin Corr./Irrit. 2
CAS Number: 68891-38-3	Eye Dam./Irrit. 1
EC-Number: 500-234-8	Aquatic Acute 2
	Aquatic Chronic 2
	H318, H315, H401, H411

(2-Methoxymethylethoxy)propanol

Content (W/W): < 10 %	Flam. Liq. 4
CAS Number: 34590-94-8	H227
EC-Number: 252-104-2	

(1-Hydroxyethylidene)bisphosphonic acid, potassium salt

Content (W/W): < 5 % CAS Number: 67953-76-8 EC-Number: 267-956-0 REACH registration number: 01-2119510384-48	Acute Tox. 4 (oral) H302

potassium hydroxide

Content (W/W): < 2 % CAS Number: 1310-58-3 EC-Number: 215-181-3 REACH registration number: 01-2119487136-33 INDEX-Number: 019-002-00-8	Acute Tox. 4 (oral) Skin Corr./Irrit. 1A H302, H314 Specific concentration limit: Skin Corr./Irrit. 2: 0,5 - < 2 % Eye Dam./Irrit. 2: 0,5 - < 2 % Skin Corr./Irrit. 1A: >= 5 % Skin Corr./Irrit. 1B: 2 - < 5 %

Bronopol

Content (W/W): < 1 % CAS Number: 52-51-7 EC-Number: 200-143-0 INDEX-Number: 603-085-00-8	Acute Tox. 3 (Inhalation - dust) Acute Tox. 3 (oral) Acute Tox. 4 (dermal) Skin Corr./Irrit. 2 Eye Dam./Irrit. 1 STOT SE 3 (irr. to respiratory syst.) Aquatic Acute 1 Aquatic Chronic 1 M-factor acute: 10 M-factor chronic: 1 H318, H315, H312, H335, H301 + H331, H400, H410

For the classifications not written out in full in this section the full text can be found in section 16.

4. First-Aid Measures

Description of first aid measures

If you feel unwell, seek medical advice (show the label where possible)

If inhaled:
Keep patient calm, remove to fresh air. If symptoms persist, seek medical advice. Immediately administer a corticosteroid from a controlled/metered dose inhaler.

On skin contact:
Remove contaminated clothing. Wash thoroughly with soap and water Consult a doctor if skin irritation persists. Do NOT forcibly separate bonded skin or clothing bonded to skin.

On contact with eyes:
Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist. Do not rub eyes; mechanical action may cause corneal damage. Remove contact lenses, if present.

On ingestion:
Immediate medical attention required. Do not induce vomiting. If vomiting occurs, keep head lower than hips to prevent aspiration. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Rinse mouth immediately with water. Keep at rest.

Most important symptoms and effects, both acute and delayed
Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far

Hazards: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11. (Further) symptoms and / or effects are not known so far

Indication of any immediate medical attention and special treatment needed
Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media
Suitable extinguishing media:
water spray, dry powder, foam, carbon dioxide

Unsuitable extinguishing media for safety reasons:
water jet

Special hazards arising from the substance or mixture
Carbon monoxide, Carbon dioxide, Hydrogen bromide, nitrogen oxides, halogenated compounds, sulfur oxides
The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters
Special protective equipment:
Wear self-contained breathing apparatus and chemical-protective clothing.

Further information:
Keep containers cool by spraying with water if exposed to fire. In case of fire and/or explosion do not breathe fumes. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
Do not breathe vapour/spray. Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

Environmental precautions
Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

Methods and material for containment and cleaning up

For small amounts: Pick up with inert absorbent material (e.g. sand, earth etc.). Do not use saw-dust or other combustible substances as an absorbant during cleanup.
For large amounts: Dike spillage. Pump off product.
Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

7. Handling and Storage

Precautions for safe handling

No special measures necessary if stored and handled correctly. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

Protection against fire and explosion:
Vapours may form ignitable mixture with air. Prevent electrostatic charge - sources of ignition should be kept well clear - fire extinguishers should be kept handy.

Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.
Further information on storage conditions: Keep away from heat. Protect from direct sunlight.

Storage stability:
Storage duration: 36 Months

Protect from temperatures below: 0 °C
Changes in the properties of the product may occur if substance/product is stored below indicated temperature for extended periods of time.
Protect from temperatures above: 40 °C
Changes in the properties of the product may occur if substance/product is stored above indicated temperature for extended periods of time.

Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

8. Exposure Controls/Personal Protection

Control parameters

Components with occupational exposure limits

1310-58-3: Potassium hydroxide
34590-94-8: (2-Methoxymethylethoxy)propanol

Exposure controls

Personal protective equipment

Respiratory protection:

Suitable respiratory protection for lower concentrations or short-term effect: Combination filter for gases/vapours of organic, inorganic, acid inorganic, alkaline compounds and toxic particles (e. g. EN 14387 Type ABEK-P3)

Hand protection:
Suitable chemical resistant safety gloves (EN ISO 374-1) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc.

Eye protection:
Tightly fitting safety goggles (splash goggles) (e.g. EN 166)

Body protection:
Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures
Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Form:	liquid
Colour:	amber
Odour:	characteristic
Odour threshold:	Not determined due to potential health hazard by inhalation.
pH value:	approx. 9 - 11 (approx. 20 °C)
Melting point:	The product has not been tested.
Boiling point:	The product has not been tested.
Flash point:	> 95 °C
Evaporation rate:	not applicable
Flammability:	not applicable
Lower explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.

Upper explosion limit:
As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.

Ignition temperature:
Based on the water content the product does not ignite.

Vapour pressure:
The product has not been tested.

Density: approx. 1,08 g/cm3
(20 °C)

Relative vapour density (air):
not applicable

Solubility in water: miscible

Partitioning coefficient n-octanol/water (log Kow):
The statements are based on the properties of the individual components.

Information on: Sodium dodecylbenzenesulfonate
Partitioning coefficient n-octanol/water (log Kow): 1,96 (OECD Guideline 107)
(25 °C; pH value: 7)

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Viscosity, dynamic:
not determined

Explosion hazard: not explosive

Fire promoting properties: not fire-propagating

Other information

Other Information:
If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

Reactivity
No hazardous reactions if stored and handled as prescribed/indicated.

Chemical stability
The product is stable if stored and handled as prescribed/indicated.

Possibility of hazardous reactions
No hazardous reactions if stored and handled as prescribed/indicated.

Conditions to avoid
See SDS section 7 - Handling and storage.

Incompatible materials

Substances to avoid:
strong acids, strong bases, strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition products:
No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Information on toxicological effects

Acute toxicity

Assessment of acute toxicity:
Of moderate toxicity after single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact. The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Alcohols, C9-11, ethoxylated

Experimental/calculated data:
(oral): 500 mg/kg

Information on: Alcohols, C9-11, ethoxylated
Experimental/calculated data:
(by inhalation): > 20 mg/l 4 h

Information on: Alcohols, C9-11, ethoxylated
Experimental/calculated data:
(dermal): > 2.000 mg/kg

Irritation

Assessment of irritating effects:
May cause severe damage to the eyes. Skin contact causes irritation. The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Sodium dodecylbenzenesulfonate
Experimental/calculated data:
Skin corrosion/irritation rabbit: Irritant. (OECD Guideline 404)
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: Potassium hydroxide
Experimental/calculated data:
Skin corrosion/irritation rabbit: Corrosive. (Draize test)
Literature data.

Information on: Alcohols, C9-11, ethoxylated

Experimental/calculated data:
Serious eye damage/irritation rabbit: irreversible damage

Information on: Sodium dodecylbenzenesulfonate
Experimental/calculated data:
Serious eye damage/irritation rabbit: irreversible damage (OECD Guideline 405)
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Respiratory/Skin sensitization

Assessment of sensitization:
No sensitizing effect. The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Sodium dodecylbenzenesulfonate
Experimental/calculated data:
Guinea pig maximization test guinea pig: Non-sensitizing. (OECD Guideline 406)
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Germ cell mutagenicity

Assessment of mutagenicity:
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Bronopol
Assessment of mutagenicity:
The substance was not mutagenic in bacteria. The substance was mutagenic in various cell culture test systems; however, these results could not be confirmed in tests with mammals.

Carcinogenicity

Assessment of carcinogenicity:
The product has not been tested. The statement has been derived from the properties of the individual components. The results of various animal studies gave no indication of a carcinogenic effect.

Reproductive toxicity

Assessment of reproduction toxicity:
The product has not been tested. The statement has been derived from the properties of the individual components. The results of animal studies gave no indication of a fertility impairing effect.

Developmental toxicity

Assessment of teratogenicity:
The product has not been tested. The statement has been derived from the properties of the individual components. Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals.

Specific target organ toxicity (single exposure)

Assessment of STOT single:
Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Remarks: The product has not been tested. The statement has been derived from the properties of the individual components.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Bronopol
Assessment of repeated dose toxicity:
After repeated exposure the prominent effect is local irritation.

Aspiration hazard

not applicable

Other relevant toxicity information

Misuse can be harmful to health.

12. Ecological Information

Toxicity

Assessment of aquatic toxicity:
Toxic to aquatic life. Harmful to aquatic life with long lasting effects.
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Alcohols, C9-11, ethoxylated
Toxicity to fish:
LC50 (96 h) 6 mg/l

Information on: Polyethyleneglycolmonoalkylethersulphate, sodium salt
Toxicity to fish:
LC50 (96 h) 7,1 mg/l, Brachydanio rerio (Flow through.)

Information on: Sodium dodecylbenzenesulfonate
Toxicity to fish:
LC50 (96 h) 3,2 - 5,6 mg/l, Salmo gairdneri, syn. O. mykiss (OECD 203; ISO 7346; 92/69/EEC, C.1)

Information on: Polyethyleneglycolmonoalkylethersulphate, sodium salt
Aquatic invertebrates:
EC50 (48 h) 7,4 mg/l, Daphnia magna (static)

Information on: Alcohols, C9-11, ethoxylated
Aquatic invertebrates:
EC50 (48 h) 5,3 mg/l

Information on: Sodium dodecylbenzenesulfonate
Aquatic invertebrates:
EC50 (48 h) 6,3 mg/l, Daphnia magna (OECD Guideline 202, part 1, static)

Information on: Polyethyleneglycolmonoalkylethersulphate, sodium salt
Aquatic plants:
EC50 (72 h) 27,7 mg/l (growth rate), Scenedesmus subspicatus

No observed effect concentration (72 h) 0,93 mg/l (growth rate), Scenedesmus subspicatus

Information on: Sodium dodecylbenzenesulfonate
Aquatic plants:
EC50 (72 h) 65,4 mg/l (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201, static)

EC50 (72 h) 21 mg/l (biomass), Pseudokirchneriella subcapitata (OECD Guideline 201, static)

No observed effect concentration (72 h) 7,9 mg/l (growth rate), Pseudokirchneriella subcapitata (OECD Guideline 201, static)

No observed effect concentration (72 h) 15,1 mg/l (biomass), Pseudokirchneriella subcapitata (OECD Guideline 201, static)

Information on: Polyethyleneglycolmonoalkylethersulphate, sodium salt
Chronic toxicity to fish:
No observed effect concentration (28 d) 0,14 mg/l, Oncorhynchus mykiss (Flow through.)

Information on: Sodium dodecylbenzenesulfonate
Chronic toxicity to fish:
No observed effect concentration (28 d) 0,9 mg/l, Pimephales promelas (other, static)
The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: Sodium dodecylbenzenesulfonate
Chronic toxicity to aquatic invertebrates:
No observed effect concentration (21 d) 1,65 mg/l, Daphnia magna (OECD Guideline 211)

Information on: Polyethyleneglycolmonoalkylethersulphate, sodium salt
Chronic toxicity to aquatic invertebrates:
No observed effect concentration (21 d) 0,27 mg/l, Daphnia magna (OECD Guideline 211, Flow through.)

Persistence and degradability

Assessment biodegradation and elimination (H2O):
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Sodium dodecylbenzenesulfonate
Assessment biodegradation and elimination (H2O):
Readily biodegradable (according to OECD criteria). The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: (1-Hydroxyethylidene)bisphosphonic acid, potassium salt
Assessment biodegradation and elimination (H2O):
Not readily biodegradable (by OECD criteria).

Bioaccumulative potential

Assessment bioaccumulation potential:
The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Sodium dodecylbenzenesulfonate
Assessment bioaccumulation potential:
Because of the n-octanol/water distribution coefficient (log Pow) accumulation in organisms is not to be expected.

Mobility in soil

Assessment transport between environmental compartments:
Adsorption in soil: The product has not been tested. The statement has been derived from the properties of the individual components.

Information on: Sodium dodecylbenzenesulfonate
Assessment transport between environmental compartments:
Volatility: The substance will not evaporate into the atmosphere from the water surface.
Adsorption in soil: Adsorption to solid soil phase is not expected.

Results of PBT and vPvB assessment

The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria or the vPvB (very persistent/very bioaccumulative) criteria.

Other adverse effects

The product does not contain substances that are listed in Annex I of Regulation (EC) 2037/2000 on substances that deplete the ozone layer.

Additional information

Other ecotoxicological advice:
Do not discharge product into the environment without control.

13. Disposal Considerations

Waste treatment methods

Must be disposed of or incinerated in accordance with local regulations.

Contaminated packaging:
Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the substance/product.

14. Transport Information

Land transport

ADR

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

RID

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Inland waterway transport
ADN

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user:	None known

Transport in inland waterway vessel
Not evaluated

Sea transport

IMDG

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Air transport

IATA/ICAO

	Not classified as a dangerous good under transport regulations
UN number or ID number	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Maritime transport in bulk according to IMO instruments

Maritime transport in bulk is not intended.

15. Regulatory Information

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

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

16. Other Information

Full text of classifications, hazard symbols and hazard statements, if mentioned in section 2 or 3:

Acute Tox.	Acute toxicity
Skin Corr./Irrit.	Skin corrosion/irritation
Eye Dam./Irrit.	Serious eye damage/eye irritation
Aquatic Acute	Hazardous to the aquatic environment - acute
Aquatic Chronic	Hazardous to the aquatic environment - chronic
Flam. Liq.	Flammable liquids
STOT SE	Specific target organ toxicity — single exposure
H318	Causes serious eye damage.
H302	Harmful if swallowed.
H401	Toxic to aquatic life.
H315	Causes skin irritation.
H412	Harmful to aquatic life with long lasting effects.

H411	Toxic to aquatic life with long lasting effects.
H227	Combustible liquid.
H314	Causes severe skin burns and eye damage.
H312	Harmful in contact with skin.
H335	May cause respiratory irritation.
H301 + H331	Toxic if swallowed or if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.