

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

1.1. Product identifier

Product form : Mixture
Trade name : D/E Neutralizing Broth without Tween
Product code : NCM0121
Type of product : Food Safety -- [Food Safety]
Part Number(s) : 700003316|NCM0121A|700003317|NCM0121B|700003318|NCM0121C|NCM0121

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Laboratory chemicals
Scientific research and development

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Neogen Corporation
620 Leshler Place
48912 Lansing – Michigan
United States of America
T 800.234.5333
sds@neogen.com - <https://www.neogen.com/>

1.4. Emergency telephone number

Emergency number : 24 hours:
Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international)
Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to GB CLP (SI 2019:720 as amended)

Acute toxicity (oral), Category 4 H302
Skin sensitisation, Category 1 H317
Specific target organ toxicity – Repeated exposure, Category 2 H373
Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to GB CLP (SI 2019:720 as amended)

Hazard pictograms (GHS UK) :



GHS07

GHS08

Signal word (GHS UK) : Warning
Contains : Sodium bisulfite; Sodium thioglycollate
Hazard statements (GHS UK) : H302 - Harmful if swallowed.
H317 - May cause an allergic skin reaction.
H373 - May cause damage to organs through prolonged or repeated exposure.

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Precautionary statements (GHS UK) : P260 - Do not breathe dust, fume, gas, mist, vapours or spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P280 - Wear protective gloves, protective clothing, eye protection, face protection and hearing protection.
P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

2.3. Other hazards

Results of PBT and vPvB assessment

| Component | |
|--|--|
| Substance(s) not meeting the PBT criteria of UK REACH regulation, in accordance with Annex XIII | Sodium thiosulfate, anhydrous (7772-98-7), Sodium bisulfite (7631-90-5), Sodium carbonate (497-19-8), Sodium thioglycollate (367-51-1) |
| Substance(s) not meeting the vPvB criteria of UK REACH regulation, in accordance with Annex XIII | Sodium thiosulfate, anhydrous (7772-98-7), Sodium bisulfite (7631-90-5), Sodium carbonate (497-19-8), Sodium thioglycollate (367-51-1) |

Results of Endocrine Disruptor assessment

| Component | |
|---|--|
| Substance(s) not considered as endocrine disrupting. They are not included in the list established in accordance with Article 59(1) of UK REACH for having endocrine disrupting properties, nor identified as having endocrine disrupting properties in accordance with the criteria set out in GB BPR and GB PPP | Sodium thiosulfate, anhydrous(7772-98-7), Sodium bisulfite(7631-90-5), Sodium carbonate(497-19-8), Sodium thioglycollate(367-51-1) |

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to GB CLP (SI 2019:720 as amended) |
|---|---|---------|---|
| Sodium thiosulfate, anhydrous | CAS-No.: 7772-98-7 EC-No.: 231-867-5 | 15 – 25 | Acute Tox. 4 (Inhalation:dust,mist), H332 (ATE=1.5 mg/l/4h) |
| Sodium bisulfite substance with workplace exposure limit(s) | CAS-No.: 7631-90-5 EC-No.: 231-548-0 | 5 – 10 | Acute Tox. 4 (Oral), H302 (ATE=1540 mg/kg bodyweight) |
| Sodium carbonate | CAS-No.: 497-19-8 EC-No.: 207-838-8 | 1 – 5 | Acute Tox. 4 (Inhalation:dust,mist), H332 (ATE=1.2 mg/l/4h) Eye Irrit. 2, H319 |
| Sodium thioglycollate | CAS-No.: 367-51-1 EC-No.: 206-696-4 | 1 – 5 | Acute Tox. 3 (Oral), H301 (ATE=125 mg/kg bodyweight) Acute Tox. 4 (Dermal), H312 (ATE=1500 mg/kg bodyweight) STOT RE 1, H372 Aquatic Chronic 2, H411 |

Full text of H- and EUH-statements: see section 16

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SECTION 4: First aid measures

4.1. Description of first aid measures

No additional information available

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

No additional information available

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

No additional information available

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

No additional information available

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

No additional information available

6.3. Methods and material for containment and cleaning up

No additional information available

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

No additional information available

7.2. Conditions for safe storage, including any incompatibilities

Storage temperature : 2 – 30 °C

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

| Sodium bisulfite (7631-90-5) | |
|---|---------------------------------------|
| United Kingdom - Occupational Exposure Limits | |
| Local name | Sodium hydrogen sulphite |
| WEL TWA (OEL TWA) | 5 mg/m ³ |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No additional information available

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

No additional information available

8.2.2.2. Skin protection

No additional information available

8.2.2.3. Respiratory protection

No additional information available

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|-------------------|
| Physical state | : Solid |
| Appearance | : Powder. |
| Colour | : Beige. |
| Odour | : Characteristic. |
| Odour threshold | : Not available |
| pH | : 7.4 – 7.8 |
| pH solution | : Not available |
| Melting point | : Not available |
| Freezing point | : Not available |
| Boiling point | : Not available |
| Flash point | : Not applicable |
| Flammability | : Not available |

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| | |
|---|---------------------|
| Explosive limits | : Not applicable |
| Vapour pressure | : Not available |
| Vapour pressure at 50°C | : Not available |
| Relative vapour density at 20°C | : Not applicable |
| Relative density | : Not available |
| Density | : Not available |
| Solubility | : Soluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Auto-ignition temperature | : Not applicable |
| Decomposition temperature | : Not available |
| Viscosity, kinematic | : Not applicable |
| Explosive properties | : Not available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------|--|
| Acute toxicity (oral) | : Harmful if swallowed. |
| Acute toxicity (dermal) | : Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (inhalation) | : Inhalation:dust,mist: Not classified (Based on available data, the classification criteria are not met). |

| D/E Neutralizing Broth without Tween | |
|---|---|
| ATE UK (oral) | 500 mg/kg bodyweight |
| Sodium thiosulfate, anhydrous (7772-98-7) | |
| LD50 oral rat | > 5000 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male / female, Read-across, Oral, 14 day(s)) |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat | > 2.6 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Read-across, Inhalation (aerosol), 14 day(s)) |

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| Sodium bisulfite (7631-90-5) | |
|-------------------------------------|---|
| LD50 oral rat | 1540 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Read-across, Oral, 14 day(s)) |
| LD50 dermal rat | > 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Read-across, Dermal, 14 day(s)) |
| LC50 Inhalation - Rat | > 5.5 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Male / female, Read-across, Inhalation (dust), 14 day(s)) |
| LC50 Inhalation - Rat (Dust/Mist) | > 5.5 mg/l Source: ECHA |

| Sodium carbonate (497-19-8) | |
|------------------------------------|--|
| LD50 oral rat | 2800 mg/kg (Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 oral | 2800 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg (16 CFR 1500.40, 24 h, Rabbit, Experimental value, Dermal, 14 day(s)) |
| LD50 dermal | 2500 mg/kg |
| LC50 Inhalation - Rat (Dust/Mist) | 1.2 mg/l/4h |

| Sodium thioglycollate (367-51-1) | |
|---|---|
| LD50 oral rat | 50 – 200 mg/kg bodyweight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Male / female, Experimental value, Oral, 15 day(s)) |
| LD50 dermal rat | 1000 – 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Female, Experimental value, Dermal, 14 day(s)) |

Skin corrosion/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: 7.4 – 7.8

| Sodium thiosulfate, anhydrous (7772-98-7) | |
|--|------------|
| pH | 7.8 (10 %) |

| Sodium bisulfite (7631-90-5) | |
|-------------------------------------|-------------------|
| pH | 4.1 (42 %, 20 °C) |

| Sodium thioglycollate (367-51-1) | |
|---|--|
| pH | 7 (609.1 g/l, 20 °C, OECD 105: Water Solubility) |

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)
pH: 7.4 – 7.8

| Sodium thiosulfate, anhydrous (7772-98-7) | |
|--|------------|
| pH | 7.8 (10 %) |

| Sodium bisulfite (7631-90-5) | |
|-------------------------------------|-------------------|
| pH | 4.1 (42 %, 20 °C) |

| Sodium thioglycollate (367-51-1) | |
|---|--|
| pH | 7 (609.1 g/l, 20 °C, OECD 105: Water Solubility) |

Respiratory or skin sensitisation : May cause an allergic skin reaction.
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

| Sodium bisulfite (7631-90-5) | |
|-------------------------------------|----------------------|
| IARC group | 3 - Not classifiable |

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure : May cause damage to organs through prolonged or repeated exposure.

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| Sodium thioglycollate (367-51-1) | |
|---|---|
| LOAEL (oral, rat, 90 days) | 60 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| LOAEL (dermal, rat/rabbit, 90 days) | 11.25 mg/kg bodyweight Animal: rat, Guideline: other., Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study) |
| NOAEL (oral, rat, 90 days) | 20 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |
| NOAEL (dermal, rat/rabbit, 90 days) | ≥ 180 mg/kg bodyweight Animal: rat, Guideline: other., Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study) |
| STOT-repeated exposure | Causes damage to organs through prolonged or repeated exposure. |

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

| Sodium bisulfite (7631-90-5) | |
|-------------------------------------|------------------------|
| Viscosity, kinematic | Not applicable (solid) |

| Sodium carbonate (497-19-8) | |
|------------------------------------|------------------------|
| Viscosity, kinematic | Not applicable (solid) |

| Sodium thioglycollate (367-51-1) | |
|---|------------------------|
| Viscosity, kinematic | Not applicable (solid) |

Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met).

Hazardous to the aquatic environment, long-term (chronic) : Not classified (Based on available data, the classification criteria are not met).

| Sodium thiosulfate, anhydrous (7772-98-7) | |
|--|--|
| LC50 - Fish [1] | 510 mg/l (96 h, Lepomis macrochirus, Static system, Fresh water, Read-across, Lethal) |
| EC50 - Crustacea [1] | 230 mg/l (48 h, Daphnia magna, Static system, Fresh water, Read-across, Locomotor effect) |
| EC50 72h - Algae [1] | > 100 mg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static system, Fresh water, Read-across, Growth rate) |
| NOEC (chronic) | > 10 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC chronic fish | ≥ 316 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '34 d' |

| Sodium bisulfite (7631-90-5) | |
|-------------------------------------|--|
| LC50 - Fish [1] | 464 – 1000 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Static system, Fresh water, Read-across, Lethal) |
| EC50 - Crustacea [1] | 230 mg/l (48 h, Daphnia magna, Static system, Fresh water, Read-across, Locomotor effect) |
| EC50 72h - Algae [1] | > 100 mg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static system, Fresh water, Read-across, Growth rate) |
| NOEC (chronic) | > 10 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |

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| Sodium bisulfite (7631-90-5) | |
|--|---|
| NOEC chronic fish | ≥ 316 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '34 d' |
| Sodium carbonate (497-19-8) | |
| LC50 - Fish [1] | 300 mg/l (96 h, Lepomis macrochirus, Static system, Fresh water, Experimental value, Lethal) |
| EC50 - Crustacea [1] | 200 – 227 mg/l (48 h, Ceriodaphnia sp., Semi-static system, Fresh water, Experimental value, Locomotor effect) |
| EC50 - Crustacea [2] | 200 – 227 mg/l Test organisms (species): Ceriodaphnia sp. |
| EC50 96h - Algae [1] | 242 mg/l Source: ECOTOX |
| Sodium thioglycollate (367-51-1) | |
| LC50 - Fish [1] | > 100 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Read-across, GLP) |
| EC50 - Crustacea [1] | 47 mg/l (48 h, Daphnia magna, Experimental value, Locomotor effect) |
| EC50 - Other aquatic organisms [1] | 47.31 mg/l Test organisms (species): |
| EC50 72h - Algae [1] | 5.07 mg/l Test organisms (species): |
| ErC50 algae | 5.1 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Read-across, GLP) |
| NOEC (chronic) | 3.9 mg/l Test organisms (species): Duration: '21 d' |
| 12.2. Persistence and degradability | |
| D/E Neutralizing Broth without Tween | |
| Persistence and degradability | Not rapidly degradable |
| Sodium thiosulfate, anhydrous (7772-98-7) | |
| Persistence and degradability | Biodegradability: not applicable. |
| Chemical oxygen demand (COD) | Not applicable |
| ThOD | Not applicable |
| BOD (% of ThOD) | Not applicable |
| Sodium bisulfite (7631-90-5) | |
| Persistence and degradability | Biodegradability in water: no data available. |
| Sodium carbonate (497-19-8) | |
| Persistence and degradability | Biodegradability: not applicable. |
| Chemical oxygen demand (COD) | Not applicable (inorganic) |
| ThOD | Not applicable (inorganic) |
| Sodium thioglycollate (367-51-1) | |
| Persistence and degradability | Readily biodegradable in water. |
| 12.3. Bioaccumulative potential | |
| Sodium thiosulfate, anhydrous (7772-98-7) | |
| Partition coefficient n-octanol/water (Log Pow) | -4.35 Source: International Chemical Safety Cards |
| Bioaccumulative potential | No bioaccumulation data available. |

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| Sodium bisulfite (7631-90-5) | |
|---|---|
| Bioaccumulative potential | Not bioaccumulative. |
| Sodium carbonate (497-19-8) | |
| Partition coefficient n-octanol/water (Log Pow) | -6.19 Source: Quantitative Structure Activity Relation |
| Bioaccumulative potential | Not bioaccumulative. |
| Sodium thioglycollate (367-51-1) | |
| Partition coefficient n-octanol/water (Log Pow) | -3 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 22 °C) |
| Bioaccumulative potential | Not bioaccumulative. |

12.4. Mobility in soil

| Sodium bisulfite (7631-90-5) | |
|--|---|
| Surface tension | No data available in the literature |
| Ecology - soil | Low potential for adsorption in soil. |
| Sodium carbonate (497-19-8) | |
| Surface tension | No data available in the literature |
| Ecology - soil | Low potential for adsorption in soil. |
| Sodium thioglycollate (367-51-1) | |
| Surface tension | No data available in the literature |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0.16 (log Koc, SRC PCKOCWIN v2.0, QSAR) |
| Ecology - soil | Highly mobile in soil. |

12.5. Results of PBT and vPvB assessment

| Component | |
|---|---|
| Sodium thiosulfate, anhydrous (7772-98-7) | This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII |
| Sodium bisulfite (7631-90-5) | This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII |
| Sodium carbonate (497-19-8) | This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII |
| Sodium thioglycollate (367-51-1) | This substance does not meet the PBT criteria of UK REACH regulation, annex XIII This substance does not meet the vPvB criteria of UK REACH regulation, annex XIII |

12.6. Other adverse effects

Ozone : Not classified (Based on available data, the classification criteria are not met)

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

HP Code : HP5 - "Specific Target Organ Toxicity (STOT)/Aspiration Toxicity:" waste which can cause specific target organ toxicity either from a single or repeated exposure, or which cause acute toxic effects following aspiration.
HP12 - "Release of an acute toxic gas:" waste which releases acute toxic gases (Acute Tox. 1, 2 or 3) in contact with water or an acid
HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR | IMDG | IATA | ADN | RID |
|---|---------------|---------------|----------------|----------------|
| 14.1. UN number | | | | |
| Not applicable | Not regulated | Not regulated | Not applicable | Not applicable |
| 14.2. UN proper shipping name | | | | |
| Not applicable | Not regulated | Not regulated | Not applicable | Not applicable |
| Transport document description | | | | |
| Not applicable | Not regulated | Not regulated | Not applicable | Not applicable |
| 14.3. Transport hazard class(es) | | | | |
| Not applicable | Not regulated | Not regulated | Not applicable | Not applicable |
| 14.4. Packing group | | | | |
| Not applicable | Not regulated | Not regulated | Not applicable | Not applicable |
| 14.5. Environmental hazards | | | | |
| Not applicable | Not regulated | Not regulated | Not applicable | Not applicable |
| No supplementary information available | | | | |

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not regulated

Air transport

Not regulated

Inland waterway transport

Not applicable

Rail transport

Not applicable

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

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SECTION 15: Regulatory information

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

15.1.1. National regulations

UK REACH Annex XVII (Restriction List)

This product contains no substance(s) listed on UK REACH Annex XVII (Restriction List) equal to or above the level of SDS disclosure

UK REACH Annex XIV (Authorisation List)

This product contains no substance(s) listed on UK REACH Annex XIV (Authorisation List) equal to or above the 0.1% level of disclosure

UK REACH Candidate List (SVHC)

This product contains no substance(s) listed on the UK REACH Candidate List (SVHC) above the 0.1% level of disclosure

GB PIC regulation (Prior Informed Consent)

This product contains no substance(s) listed on the GB PIC List equal to or above the level of SDS disclosure

POP Regulation (Persistent Organic Pollutants)

This product contains no substance(s) listed on the GB POP List equal to or above the level of SDS disclosure

Ozone Regulation (S.I. No. 168 of 2015)

This product contains no substance(s) listed on the GB Ozone Depletion List equal to or above the level of SDS disclosure

Control of Poisons and Explosives Precursors Act

This product contains no substance(s) listed as a reportable poison on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This product contains no substance(s) listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This product contains no substance(s) listed as a reportable explosive precursor on the Control of Poisons and Explosives Precursors Regulations equal to or above the level of SDS disclosure

This substance is not listed as a regulated poison on the Control of Poisons and Explosives Precursors Regulations

Drug Precursors Regulation (EC 273/2004)

This product contains no substance(s) listed on the GB Drug Precursors List equal to or above the level of SDS disclosure

15.1.2. Other Information

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

| | |
|--|---|
| Acute Tox. 3 (Oral) | Acute toxicity (oral), Category 3 |
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Met. Corr. 1 | Corrosive to metals, Category 1 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |
| STOT RE 1 | Specific target organ toxicity – Repeated exposure, Category 1 |
| STOT RE 2 | Specific target organ toxicity – Repeated exposure, Category 2 |
| H290 | May be corrosive to metals. |

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| Full text of H- and EUH-statements: | |
|-------------------------------------|--|
| H301 | Toxic if swallowed. |
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| H411 | Toxic to aquatic life with long lasting effects. |

Safety Data Sheet (SDS), UK

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.