

Cleaner Tab

Safety Data Sheet

according to the Hazardous Substance SDS Notice 2017 (EPA)
Issue date: 5/31/2023 Revision date: 5/31/2023 Version: 1.0
SDS No: 00625-0092

SECTION 1: Identification

1.1 Product identifier

Product name : Cleaner Tab
Product form : Mixture

1.2 Other means of identification

Further information : Article number: 56.00.210, 56.00.220

1.3 Recommended use of the chemical and restrictions on use

Recommended use : Cleaning agent
For professional users only

1.4 Details of manufacturer or importer

Reward Hospitality
12 Reg Savory Place
East Tamaki
2013 Auckland
New Zealand
T 0800 428 733

<https://www.rewardhospitality.co.nz/>

E-mail address of competent person responsible for the SDS: sds@gbk-ingelheim.de

1.5. Emergency phone number

Emergency number : National Poisons Centre: 0800 764 766

SECTION 2: Hazard identification

2.1. Classification of the hazardous chemical

Classification according to the Environmental Protection Authority notices (EPA Hazardous Substances and New Organisms Act 1996)

Skin corrosion/irritation, Category 1A H314

Serious eye damage/eye irritation, Category 1 H318

2.2. GHS Label elements, including precautionary statements

GHS NZ labelling

Hazard pictograms (GHS NZ) :



Signal word (GHS NZ) :

Danger

Contains :

Sodium hydroxide (30 - 50 %); disodium metasilicate (10 - < 20 %); Fatty alcohol alkoxylates (1 - < 2,5 %)

Hazard statements (GHS NZ) :

H314 - Causes severe skin burns and eye damage

Precautionary statements :

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

Prevention :

P280 - Wear protective clothing, eye protection, face protection, protective gloves.

Response :

P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water .

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 doctor, a POISON CENTER.

Disposal :

P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

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2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition and information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to GHS NZ |
|---------------------------|----------------------|-----------|--|
| Sodium hydroxide | CAS-No.: 1310-73-2 | 30 - 50 | Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318 |
| disodium metasilicate | CAS-No.: 6834-92-0 | 10 - < 20 | Met. Corr. 1, H290 Skin Corr. 1B, H314 STOT SE 3, H335 |
| Sodium carbonate | CAS-No.: 497-19-8 | 10 - 20 | Eye Irrit. 2, H319 |
| Fatty alcohol alkoxylates | CAS-No.: 111190-40-0 | 1 - < 2,5 | Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 3, H412 |

Specific concentration limits:

| Name | Product identifier | Specific concentration limits (%) |
|------------------|--------------------|---|
| Sodium hydroxide | CAS-No.: 1310-73-2 | (0.5 ≤ C < 2) Eye Irrit. 2, H319 (0.5 ≤ C < 2) Skin Irrit. 2, H315 (2 ≤ C < 5) Skin Corr. 1B, H314 (5 ≤ C < 100) Skin Corr. 1A, H314 |

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | : Adhere to personal protective measures when giving first aid. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor. |
| First-aid measures after skin contact | : Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| First-aid measures after ingestion | : Rinse mouth. If the person is fully conscious, make him/her drink plenty of water. Never give an unconscious person anything to drink. Do not induce vomiting. Call a physician immediately. |

4.2. Symptoms caused by exposure

| | |
|-------------------------------------|---|
| Symptoms/effects after skin contact | : Burns. |
| Symptoms/effects after eye contact | : Serious damage to eyes. |
| Symptoms/effects after ingestion | : May perforate the oesophagus or the digestive tract. Burns. |

4.3. Medical attention and special treatment

| | |
|-----------|--|
| Treatment | : If possible, show the doctor this safety data sheet. Failing this, show the doctor the packaging or label. |
|-----------|--|

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SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.
Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

5.2. Specific hazards arising from the chemical

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Contain the extinguishing fluids by bunding. Do not allow run-off from fire fighting to enter drains or water courses.
Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
EAC code : 2X - 2X

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No additional information available

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe dust.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Do not allow to enter drains or water courses. Notify authorities if product enters sewers or public waters.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust. Wear personal protective equipment.
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.
Storage temperature : 10 – 40 °C
Information on mixed storage : Keep away from food, drink and animal feeding stuffs.
Packaging materials : Product must only be kept in the original packaging.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

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Sodium hydroxide (1310-73-2)

New Zealand - Occupational Exposure Limits

| | |
|----------------------|--|
| Local name | Sodium hydroxide |
| WES-C (OEL C) | 2 mg/m ³ |
| Regulatory reference | Workplace Exposure Standards and Biological Exposure Indices, 13th Edition |

Exposure limit values for the other components

No additional information available

8.2. Monitoring methods

No additional information available

8.3. Engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

8.4. Individual protection measures, such as personal protective equipment (PPE)

Hand protection : Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer

| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |
|--|------------------------------------|------------------|----------------|-------------|------------|
| Chemically resistant protective gloves | Butyl rubber, Nitrile rubber (NBR) | 3 (> 60 minutes) | | | EN ISO 374 |

Eye protection : tightly fitting safety goggles

Skin and body protection : Wear suitable protective clothing

Respiratory protection : Not required for normal conditions of use

Environmental exposure controls : Avoid release to the environment.

SECTION 9: Physical and chemical properties

| | |
|--|--|
| Physical state | : Solid |
| Appearance | : tablet. |
| Colour | : White |
| Odour | : characteristic |
| Odour threshold | : No additional information available |
| pH | : 12.7 pH solution concentration: 1 % |
| Evaporation rate | : No additional information available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point / Freezing point | : Freezing point: Not applicable |
| Boiling point | : No data available |
| Flash point | : Not applicable |
| Auto-ignition temperature | : Not applicable |
| Flammability (solid, gas) | : Non flammable. |
| Vapour pressure | : No additional information available |
| Relative density | : No additional information available |
| Density | : Density: 1050 kg/m ³ |
| Solubility | : Soluble in water. |
| Log Pow | : No data available |
| Viscosity, kinematic | : Not applicable |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Explosive limits | : Not applicable |

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Minimum ignition energy : No data available
VOC content : < 3 %

SECTION 10: Stability and reactivity

Reactivity : The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability : Stable under normal conditions.
Possibility of hazardous reactions : Exothermic reaction on contact with: Acids.
Conditions to avoid : Keep out of frost. Keep away from heat and direct sunlight. Protect from atmospheric moisture and water.
Incompatible materials : Oxidizing agent. Light metals. Strong acids.
Hazardous decomposition products : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Toxicity

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

| disodium metasilicate (6834-92-0) | |
|--|--|
| LD50 dermal rat | > 5000 mg/kg bodyweight Animal: rat, Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity) |
| LC50 Inhalation - Rat | > 2.06 mg/l air Animal: rat, Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity) |

| Sodium carbonate (497-19-8) | |
|------------------------------------|---|
| LD50 oral rat | 2800 mg/kg bodyweight Animal: rat |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: other: |

Skin corrosion/irritation : Causes severe skin burns.
pH: 12.7
Serious eye damage/irritation : Causes serious eye damage.
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified

| disodium metasilicate (6834-92-0) | |
|--|---|
| NOAEL (oral, rat, 90 days) | 227 – 237 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents) |

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Ecotoxicity

Ecology - general : Before neutralisation, the product may represent a danger to aquatic organisms.
Hazardous to the aquatic environment, short-term (acute) : Not classified
Hazardous to the aquatic environment, long-term (chronic) : Not classified
Soil toxicity : Not classified
Terrestrial vertebrate toxicity : Not classified
Terrestrial invertebrate toxicity : Not classified

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| disodium metasilicate (6834-92-0) | |
|--|---|
| LC50 fish 1 | 210 mg/l (96 h, Brachydanio rerio (zebra-fish)) |
| EC50 Daphnia 1 | 1700 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | 207 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| | > 5000 mg/kg bodyweight Animal: rat, Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity) |
| Sodium carbonate (497-19-8) | |
| LC50 fish 1 | 300 mg/l Test organisms (species): Lepomis macrochirus |
| EC50 Daphnia 1 | 200 – 227 mg/l Test organisms (species): Ceriodaphnia sp. |
| EC50 - Crustacea [2] | 200 – 227 mg/l Test organisms (species): Ceriodaphnia sp. |
| LD50 dermal rabbit | > 2000 mg/kg bodyweight Animal: rabbit, Guideline: other: |
| LD50 oral rat | 2800 mg/kg bodyweight Animal: rat |
| Sodium hydroxide (1310-73-2) | |
| EC50 Daphnia 1 | 40.4 mg/l Test organisms (species): Ceriodaphnia sp. |

12.2. Persistence and degradability

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|-------------------------------|--|
| Persistence and degradability | Readily biodegradable. (OECD 301B method). |

12.3. Bioaccumulative potential

| Cleaner Tab | |
|---------------------------|-------------------------------------|
| Bioaccumulative potential | No additional information available |

12.4. Mobility in soil

| Cleaner Tab | |
|--------------------|-------------------------------------|
| Mobility in soil | No additional information available |

12.5. Other adverse effects

| | |
|-----------------------|---|
| Ozone | : Not classified |
| Other adverse effects | : Before neutralisation, the product may represent a danger to aquatic organisms. |

SECTION 13: Disposal considerations

| | |
|--|---|
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions. Disposal must be done according to official regulations. |
| Product/Packaging disposal recommendations | : Empty containers should be taken for recycling, recovery or waste in accordance with local regulation. Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Packaging that cannot be cleaned should be disposed of like the product. |




SECTION 14: Transport information

In accordance with IMDG / IATA / UN RTDG

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| IMDG | IATA | UNRTDG |
|---|---|---|
| 14.1. UN number | | |
| 3262 | 3262 | 3262 |
| 14.2. UN Proper Shipping Name | | |
| CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide ; disodium metasilicate) | Corrosive solid, basic, inorganic, n.o.s. (Sodium hydroxide ; disodium metasilicate) | CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide ; disodium metasilicate) |
| Transport document description | | |
| UN 3262 CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide ; disodium metasilicate), 8, II | UN 3262 Corrosive solid, basic, inorganic, n.o.s. (Sodium hydroxide ; disodium metasilicate), 8, II | UN 3262 CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Sodium hydroxide ; disodium metasilicate), 8, II |
| 14.3. Transport hazard class(es) | | |
| 8 | 8 | 8 |
|  |  |  |
| 14.4. Packing group | | |
| II | II | II |
| 14.5. Environmental hazards | | |
| Dangerous for the environment: No Marine pollutant: No | Dangerous for the environment: No | Dangerous for the environment: No |
| No supplementary information available | | |

14.6. Special precautions for user

Transport by road and rail

Special provisions (UN RTDG) : 274
Limited quantities (UN RTDG) : 1 kg
Excepted quantities (UN RTDG) : E2
Packing instruction (UN RTDG) : P002, IBC08
Special packing provisions (UN RTDG) : B2, B4
Portable tank and bulk container special instructions (UN RTDG) : T3
Portable tank and bulk container special provisions (UN RTDG) : TP33

Transport by sea

Special provisions (IMDG) : 274
Limited quantities (IMDG) : 1 kg
Excepted quantities (IMDG) : E2
Packing instructions (IMDG) : P002
IBC packing instructions (IMDG) : IBC08
IBC special provisions (IMDG) : B21, B4
Tank instructions (IMDG) : T3
Tank special provisions (IMDG) : TP33
EmS-No. (Fire) : F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage) : S-B - SPILLAGE SCHEDULE Bravo - CORROSIVE SUBSTANCES
Stowage category (IMDG) : B
Segregation (IMDG) : SGG18, SG35
MFAG-No : 154

Air transport

PCA Excepted quantities (IATA) : E2

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| | |
|--|------------|
| PCA Limited quantities (IATA) | : Y844 |
| PCA limited quantity max net quantity (IATA) | : 5kg |
| PCA packing instructions (IATA) | : 859 |
| PCA max net quantity (IATA) | : 15kg |
| CAO packing instructions (IATA) | : 863 |
| CAO max net quantity (IATA) | : 50kg |
| Special provisions (IATA) | : A3, A803 |
| ERG code (IATA) | : 8L |

14.7. Transport in bulk according to IMO instruments

Not applicable

14.8. Hazchem or Emergency Action Code

EAC code : 2X.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Issue date : 5/31/2023
Revision date : 5/31/2023

Abbreviations and acronyms:

| | |
|--------|---|
| 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 |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand (BOD) |
| COD | Chemical oxygen demand (COD) |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC-No. | European Community number |
| EC50 | Median effective concentration |
| EN | European Standard |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |

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| Abbreviations and acronyms: | |
|-----------------------------|---|
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| VOC | Volatile Organic Compounds |
| CAS-No. | Chemical Abstract Service number |
| N.O.S. | Not Otherwise Specified |
| vPvB | Very Persistent and Very Bioaccumulative |
| ED | Endocrine disrupting properties |
| DOT | Department of Transport |
| TDG | Transportation of Dangerous Goods |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| GHS | Globally Harmonized System of Classification, Labelling and Packaging of Chemicals |
| IBC-Code | International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| MARPOL 73/78 | MARPOL 73/78: International Convention for the Prevention of Pollution From Ships |
| ADG | Transport of Australian Dangerous Goods |

Other information

: Data of sections 4 to 8, as well as 10 to 12, do partly not refer to the use and the regular employing of the product (in this sense consult information on use and on product), but to liberation of major amounts in case of accidents and irregularities. The information describes exclusively the safety requirements for the product(s) and is based on the present level of our knowledge. The delivery specifications are contained in the corresponding product sheet. This data does not constitute a guarantee for the characteristics of the product(s) as defined by the legal warranty regulations.

| Full text of H-statements | |
|---------------------------|---|
| Aquatic Acute 1 | Hazardous to the aquatic environment – Acute Hazard, Category 1 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Met. Corr. 1 | Corrosive to metals, Category 1 |
| Skin Corr. 1A | Skin corrosion/irritation, Category 1A |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1B |

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| Full text of H-statements | |
|---------------------------|--|
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |
| H290 | May be corrosive to metals |
| H314 | Causes severe skin burns and eye damage |
| H318 | Causes serious eye damage |
| H319 | Causes serious eye irritation |
| H335 | May cause respiratory irritation |
| H400 | Very toxic to aquatic life |
| H412 | Harmful to aquatic life with long lasting effects |

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 therefore not be construed as guaranteeing any specific property of the product.