

F 420 e

Revision date: 13/01/2026

Product code: 89300246

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## Section 1 - Identification

### Product identifier

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### Recommended use of the chemical and restrictions on use

#### Use of the substance/mixture

Cleaner for commercial dishwashers: Special detergent

#### Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals as listed in WHS Schedule 10

None

### Details of manufacturer or importer

#### Manufacturer

Company name: Winterhalter Gastronom GmbH  
 Street: Winterhalterstrasse 2 - 12  
 Place: D-88074 Meckenbeuren  
 Telephone: +49 7542 4020  
 E-mail: info@winterhalter.com  
 Contact person: Business Unit Chemicals  
 E-mail: sds@winterhalter.com  
 Internet: www.winterhalter.com

#### Supplier

Company name: Winterhalter Australia Pty Ltd  
 Street: Unit 1/1, Glendenning Road  
 Place: AUS-2761 Glendenning NSW  
 Telephone: +61 296 45 3221  
 E-mail: sales@winterhalter.com.au  
 Contact person: Business Unit Chemicals  
 E-mail Contact person: sds@winterhalter.com  
 Internet: www.winterhalter.com.au

### Emergency phone number:

Domestic emergency number (Chemtrec): +61 2 9037 2994  
 International emergency number (Chemtrec): +65 3163 8374

## Section 2 - Hazard(s) identification

### Classification of the hazardous chemical

#### WHS 2021

Substances or mixtures corrosive to metals: Met. Corr. 1

Skin corrosion/irritation: Skin Corr. 1

Eye damage/irritation: Eye Dam. 1

### Label elements, including precautionary statements

#### WHS 2021

#### Hazard components for labelling

Sodium hydroxide: &lt; 10 %

Signal word: Danger

Pictograms:



corrosion

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## Hazard statements

- H290 May be corrosive to metals  
 H314 Causes severe skin burns and eye damage

## Precautionary statements

- P280 Wear protective gloves and eye protection/face protection.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
 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/doctor.  
 P501 Dispose of waste according to applicable legislation.

## Other hazards

There is no information available.

## Section 3 - Composition and information on ingredients

### Mixtures

#### Relevant ingredients

| CAS No    | Chemical name    | Quantity |
|-----------|------------------|----------|
| 1310-73-2 | Sodium hydroxide | < 10 %   |

## Section 4 - First aid measures

### Description of necessary first aid measures

#### General information

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down.

#### After inhalation

Provide fresh air. Medical treatment necessary.

#### After contact with skin

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

#### After contact with eyes

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.

#### After ingestion

Rinse mouth immediately and drink 1 glass of water. Do NOT induce vomiting. Adverse human health effects and symptoms: Gastric perforation. Call a physician immediately. Do not allow a neutralisation agent to be drunk.

### Symptoms caused by exposure

No information available.

### Medical attention and special treatment

Treat symptomatically.

## Section 5 - Firefighting measures

### Suitable extinguishing equipment

#### Suitable extinguishing media

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

### Specific hazards arising from the chemical

Non-flammable.

### Special protective equipment and precautions for firefighters

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

## Additional information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## Section 6 - Accidental release measures

### Personal precautions, protective equipment and emergency procedures

#### General advice

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

#### Environmental precautions

Do not allow to enter into surface water or drains.

### Methods and materials for containment and cleaning up

#### For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### Other information

For cleaning small quantities (drop leakage): Flush down the drain with plenty of water.

### Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## Section 7 - Handling and storage

### Precautions for safe handling

#### Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

#### Advice on protection against fire and explosion

No special fire protection measures are necessary.

#### Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

### Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaustion at critical locations. Unsuitable container/equipment material: Metal.

#### Hints on joint storage

Do not store together with: Acid.

## Section 8 - Exposure controls and personal protection

### Exposure control measures

#### Workplace Exposure Standards (WES)

| CAS No    | Substance        | ppm | mg/m <sup>3</sup> | Category        | Origin |
|-----------|------------------|-----|-------------------|-----------------|--------|
| 1310-73-2 | Sodium hydroxide | -   | 2                 | Peak Limitation | WES    |

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## Exposure controls



### Appropriate engineering controls

Ensure sufficient ventilation, especially in closed rooms.

### Individual protection measures, for example personal protective equipment (PPE)

#### Eye and face protection

Suitable eye protection: goggles (EN 166)

#### Hand protection

Use of protective gloves (EN ISO 374-1 / Typ B (KPT))

Examples of protective gloves:

- Material: nitrile rubber; material thickness: 0.07 mm; breakthrough time: 30 minutes
- Material: polyvinyl chloride (vinyl); material thickness: 0.06 mm; breakthrough time: 30 minutes

#### Skin protection

Wear suitable work clothes when working.

#### Respiratory protection

Not required if handled as intended.

## Section 9 - Physical and chemical properties

### Information on basic physical and chemical properties

|   |                                  |
|---|----------------------------------|
| Physical state:   | Liquid                           |
| Colour:   | light yellow                     |
| Odour:  | product-specific                 |
| Melting point/freezing point:                             | not determined                   |
| Boiling point or initial boiling point and boiling range: | 100 °C                           |
| Flammability:   | not applicable<br>not applicable |
| Lower explosion limits:                                   | not applicable                   |
| Upper explosion limits:                                   | not applicable                   |
| Flash point:  | not applicable                   |
| Auto-ignition temperature:                                | not applicable                   |
| Decomposition temperature:                                | not determined                   |
| pH-Value (at 20 °C):                                      | 14                               |
| Water solubility:   | easily soluble                   |
| Solubility in other solvents                              | not determined                   |
| Partition coefficient n-octanol/water:                    | not determined                   |
| Vapour pressure:  | not determined                   |
| Density (at 20 °C):                                       | 1,21 g/cm <sup>3</sup>           |
| Relative vapour density:                                  | not determined                   |

### Other information

#### Information with regard to physical hazard classes

Explosive properties

The product is not: Explosive.

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Oxidizing properties

The product is not: oxidising.

**Other safety characteristics**

Evaporation rate:

not determined

Solid content:

not determined

Viscosity / dynamic (at 20 °C):

&lt; 10 mPa·s

**Section 10 - Stability and reactivity****Reactivity**

Reactions with metals with hydrogen evolution.

Reacts with water and acids, generating heat.

**Chemical stability**

The product is stable under storage at normal ambient temperatures.

**Possibility of hazardous reactions**

Exothermic reaction with: Acid

Hydrogen, in reactions with metals.

**Conditions to avoid**

none

**Incompatible materials**

Metal.

Keep away from: Acid

**Hazardous decomposition products**

No decomposition when stored and used as directed.

**Section 11 - Toxicological information****Information on toxicological effects****Acute toxicity**

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

**ATEmix calculated**

ATE (oral) &gt; 2000 mg/kg; ATE (dermal) &gt; 2000 mg/kg; ATE (inhalation vapour) &gt; 20 mg/l; ATE (inhalation dust/mist) &gt; 5 mg/l

**Irritation and corrosivity**

Skin corrosion/irritation: Causes severe skin burns and eye damage (On basis of test data)

Eye damage/irritation: Causes serious eye damage (On basis of test data)

**Sensitising effects**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

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.

**Information on other hazards****Endocrine disrupting properties**

No information available.

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## Further information

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

## Section 12 - Ecological information

### Ecotoxicity

The product is not: Ecotoxic.

### Persistence and degradability

The product has not been tested.

### Bioaccumulative potential

The product has not been tested.

### Mobility in soil

The product has not been tested.

### Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

### Other adverse effects

No information available.

## Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

## Section 13 - Disposal considerations

### Disposal methods

#### Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

#### Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

## Section 14 - Transport information

### Marine transport (IMDG)

|  |                           |
|--|---------------------------|
| <b><u>UN number or ID number:</u></b>                    | UN 1824                   |
| <b><u>UN proper shipping name or technical name:</u></b> | SODIUM HYDROXIDE SOLUTION |
| <b><u>Transport hazard class:</u></b>                    | 8                         |
| <b><u>Packing group number:</u></b>                      | II                        |
| Hazard label:  | 8                         |



|                     |              |
|---------------------|--------------|
| Special Provisions: | -            |
| Limited quantity:   | 1 L          |
| Excepted quantity:  | E2           |
| EmS:                | F-A, S-B     |
| Segregation group:  | 18 - alkalis |

### Air transport (ICAO-TI/IATA-DGR)

|  |                           |
|--|---------------------------|
| <b><u>UN number or ID number:</u></b>                    | UN 1824                   |
| <b><u>UN proper shipping name or technical name:</u></b> | SODIUM HYDROXIDE SOLUTION |

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**Transport hazard class:** 8**Packing group number:** II

Hazard label: 8



Special Provisions: A3 A803

Limited quantity Passenger: 0.5 L

Passenger LQ: Y840

Excepted quantity: E2

IATA-packing instructions - Passenger: 851

IATA-max. quantity - Passenger: 1 L

IATA-packing instructions - Cargo: 855

IATA-max. quantity - Cargo: 30 L

**Environmental hazards for transport purposes**

ENVIRONMENTALLY HAZARDOUS: No

**Special precautions for user**

Warning: strongly corrosive.

**Maritime transport in bulk according to IMO instruments**

not applicable

**Section 15 - Regulatory information****National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles.

**Section 16 - Any other relevant information**

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**Key abbreviations or acronyms used**

CLP: Classification, labelling and Packaging

REACH: Registration, Evaluation and Authorization of Chemicals

GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals

UN: United Nations

CAS: Chemical Abstracts Service

DNEL: Derived No Effect Level

DMEL: Derived Minimal Effect Level

PNEC: Predicted No Effect Concentration

ATE: Acute toxicity estimate

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

LL50: Lethal loading, 50%

EL50: Effect loading, 50%

EC50: Effective Concentration 50%

ErC50: Effective Concentration 50%, growth rate

NOEC: No Observed Effect Concentration

BCF: Bio-concentration factor

PBT: persistent, bioaccumulative, toxic

vPvB: very persistent, very bioaccumulative

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Regulations concerning the international carriage of dangerous goods by rail

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation)

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intérieures)

IMDG: International Maritime Code for Dangerous Goods

EmS: Emergency Schedules

MFAG: Medical First Aid Guide

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

MARPOL: International Convention for the Prevention of Marine Pollution from Ships

IBC: Intermediate Bulk Container

SVHC: Substance of Very High Concern

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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*(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*