

according to WHS Regulation

**F 8400**

Revision date: 22.08.2023

Product code: 89300231

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**Section 1 - Identification****Product identifier**

F 8400

**Recommended use of the chemical and restrictions on use****Use of the substance/mixture**

Hygiene all-purpose 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: 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**

Potassium hydroxide: < 10 %  
Sodium hydroxide: < 10 %  
Sodium hypochlorite: < 10 %

**Signal word:** Danger

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## Pictograms:



corrosion

## Hazard statements

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

## Precautionary statements

P280 Wear protective gloves and eye/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 in accordance with official regulations.

## Other hazards

No information available.

## Section 3 - Composition and information on ingredients

## Mixtures

## Hazardous components

| CAS No    | Chemical name       | Quantity |
|-----------|---------------------|----------|
| 1310-58-3 | Potassium hydroxide | < 10 %   |
| 1310-73-2 | Sodium hydroxide    | < 10 %   |
| 7681-52-9 | Sodium hypochlorite | < 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. If breathing is irregular or stopped, administer artificial respiration. No mouth-to-mouth or mouth-to-nose resuscitation. Use Ambu bag or ventilator. Call a physician immediately.

## 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

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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.

**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 exhaust at critical locations. Unsuitable container/equipment material: Metal.

**Hints on joint storage**

Do not store together with: Acid.

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**Section 8 - Exposure controls and personal protection**

**Exposure control measures**

**Workplace Exposure Standards (WES)**

| CAS No    | Substance           | ppm | mg/m <sup>3</sup> | fibres/ml | Category        | Origin |
|-----------|---------------------|-----|-------------------|-----------|-----------------|--------|
| 1310-58-3 | Potassium hydroxide | -   | 2                 |           | Peak Limitation | WES    |
| 1310-73-2 | Sodium hydroxide    | -   | 2                 |           | Peak Limitation | WES    |

**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**

Eye glasses (EN 166)

**Hand protection**

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

**Skin protection**

Wear suitable protective clothing.

**Respiratory protection**

Not required if handled as intended.

In case of intensive or prolonged exposure wear self-contained breathing apparatus (EN 133).

**Section 9 - Physical and chemical properties**

**Information on basic physical and chemical properties**

|   |                                   |
|---|-----------------------------------|
| Physical state:   | Liquid                            |
| Colour:   | light yellow                      |
| Odour:  | like: Chlorine (Cl <sub>2</sub> ) |
| Melting point/freezing point:                             | < -15 °C                          |
| Boiling point or initial boiling point and boiling range: | 100 °C                            |
| Flammability:   | not applicable                    |
| Lower explosion limits:                                   | not applicable                    |
| Upper explosion limits:                                   | not applicable                    |
| Flash point:  | > 100 °C                          |
| 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):                                       | 1,32 g/cm <sup>3</sup>            |

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Relative vapour density: not determined

**Other information**

**Information with regard to physical hazard classes**

Explosive properties

The product is not: Explosive.

Oxidizing properties

The product is not: oxidising.

**Other safety characteristics**

Evaporation rate:

not determined

Solid content:

not determined

Viscosity / dynamic:

< 10 mPa·s

(at 20 °C)

**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**

Chlorine gas can be formed with acids.

Hydrogen, in reactions with metals.

**Conditions to avoid**

To avoid thermal decomposition, do not overheat.

**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) 5397,9 mg/kg; ATE (inhalation vapour) 241,05 mg/l; ATE (inhalation dust/mist) 22,957 mg/l

| CAS No    | Chemical name       |               |         |        |                          |
|-----------|---------------------|---------------|---------|--------|--------------------------|
|           | Exposure route      | Dose          | Species | Source | Method                   |
| 1310-58-3 | Potassium hydroxide |               |         |        |                          |
|           | oral                | LD50<br>mg/kg | 333     | Rat    | ECHA                     |
| 7681-52-9 | Sodium hypochlorite |               |         |        |                          |
|           | dermal              | LD50<br>mg/kg | > 20000 | Rabbit | Manufacturer<br>OECD 402 |

**Irritation and corrosivity**

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Causes severe skin burns and eye damage (On basis of test data)

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

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.

### Further information

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

## Section 12 - Ecological information

### Ecotoxicity

Harmful to aquatic life with long lasting effects.

### Persistence and degradability

The product has not been tested.

### Bioaccumulative potential

The product has not been tested.

### Partition coefficient n-octanol/water

| CAS No    | Chemical name       | Log Pow |
|-----------|---------------------|---------|
| 1310-73-2 | Sodium hydroxide    | -3,8796 |
| 7681-52-9 | Sodium hypochlorite | -3,42   |

### 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.

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## Section 14 - Transport information

### Marine transport (IMDG)

**UN number or ID number:** UN 1719  
**UN proper shipping name or technical name:** CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide, potassium hydroxide, Sodium hypochlorite)  
**Transport hazard class:** 8  
**Packing group number:** II  
 Hazard label: 8



Special Provisions: 274  
 Limited quantity: 1 L  
 Excepted quantity: E2  
 EmS: F-A, S-B  
 Segregation group: 18 - alkalis

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

**UN number or ID number:** UN 1719  
**UN proper shipping name or technical name:** CAUSTIC ALKALI LIQUID, N.O.S. (sodium hydroxide, potassium hydroxide, Sodium hypochlorite)  
**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 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 hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*