

F 8400

Revision date: 12/01/2026

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

Cleaner for commercial dishwashers: 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 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

Potassium hydroxide: &lt; 10 %

Sodium hydroxide: &lt; 10 %

Sodium hypochlorite: &lt; 10 %

Signal word: Danger

#### 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 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 in accordance with official regulations.

**Other hazards**

There is no information available.

**Section 3 - Composition and information on ingredients****Mixtures****Relevant ingredients**

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**

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**

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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
1310-58-3	Potassium hydroxide	-	2	Peak Limitation	WES
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.

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 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>
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**

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) &gt; 5000 mg/kg; ATE (dermal) &gt; 2000 mg/kg; ATE (inhalation vapour) &gt; 50 mg/l; ATE (inhalation dust/mist) &gt; 12,5 mg/l

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
1310-58-3	Potassium hydroxide				
	oral	LD50 333 mg/kg	Rat	ECHA	OECD 425

**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.

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**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.

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



Special Provisions:	274
Limited quantity:	1 L
Excepted quantity:	E2

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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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Revision No: 0,5

### 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

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