

# Safety Data Sheet

According to the Model WHS Regulations and the ADG code

winterhalter®

## F 8400

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

#### 1.1. Product identifier

F 8400

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

##### Use of the substance/mixture

Hygiene all-purpose detergent

#### 1.3. Details of the supplier of the safety data sheet

Company name: Winterhalter Australia Pty Ltd  
Street: Unit 1/1, Glendenning Road  
Place: Glendenning NSW 2761 · Australia  
Telephone: +61 29645-3221

e-mail: sales@winterhalter.com.au

Internet: www.winterhalter.com.au

1.4. Emergency telephone number: Australia (24-Hour-Number): +61-280735031 Infotrac/GBK GmbH-ID: 110688

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to WHS

CLASSIFIED AS HAZARDOUS CHEMICAL ACCORDING TO SAFE WORK AUSTRALIA AND WHS CRITERIA

CLASSIFIED AS DANGEROUS GOODS ACCORDING TO THE ADG CODE

POISON SCHEDULE: Not applicable.

##### Hazard categories:

Substance or mixture corrosive to metals: Met. Corr. 1

Skin corrosion/irritation: Skin Corr. 1A

Serious eye damage/eye irritation: Eye Dam. 1

Hazardous to the aquatic environment: Aquatic Chronic 3

##### Hazard Statements:

May be corrosive to metals.

Causes severe skin burns and eye damage.

Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Hazard components for labelling

Sodium hydroxide 1 - 5 %

Potassium hydroxide 5 - 10 %

Sodium hypochlorite, solution 1-5 % Cl active

non hazardous ingredients > 60 %

Signal word: Danger

Pictograms: GHS05



##### Hazard statements

May be corrosive to metals.

Causes severe skin burns and eye damage.

Harmful to aquatic life with long lasting effects.

##### Precautionary statements

Wear protective gloves/protective clothing/eye protection/face protection.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or

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IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Immediately call a POISON CENTER/doctor.

Disposal in accordance with local regulations.

### Special labelling of certain mixtures

Warning! Do not use together with other products. May release dangerous gases (chlorine).

### 2.3. Other hazards

Not known.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

Mixture of the following substances with non-hazardous admixtures

#### Hazardous components

EC No	Chemical name	Quantity
CAS No		
Index No	GHS Classification	
REACH No		
215-181-3	caustic potash, potassium hydroxide	5 - < 10 %
1310-58-3		
019-002-00-8	Met. Corr. 1, Acute Tox. 4, Skin Corr. 1A; H290 H302 H314	
01-2119487136-33		
215-185-5	Sodium hydroxide	1 - < 5 %
1310-73-2		
011-002-00-6	Met. Corr. 1, Skin Corr. 1A, Eye Dam. 1; H290 H314 H318	
01-2119457892-27		
231-668-3	Sodium hypochlorite, solution 1 - 5% Cl active	1 - < 5 %
7681-52-9		
017-011-00-1	Met. Corr. 1, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 2; H290 H314 H318 H400 H411 AUH031	
01-2119488154-34		
	non hazardous ingredients	> 60 %

Full text of H and AUH statements: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated soaked clothing immediately.

In the event of persistent symptoms receive medical treatment.

#### After inhalation

When used as intended, exposure through inhalation is not to be expected.

Move victim to fresh air.

#### After contact with skin

Wash with water and soap and rinse thoroughly.

Remove and wash contaminated clothing before re-use.

#### After contact with eyes

In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

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### After ingestion

Rinse out mouth and give plenty of water to drink.

Do not induce vomiting.

In the event of persistent symptoms receive medical treatment.

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

Symptoms: the most important known symptoms and effects are described in the product characterisation (s. section 2) and/or in section 11.

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

No data available

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water-spray

#### Unsuitable extinguishing media

Full water jet.

### 5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: carbon monoxide and carbon dioxide. Contact with acids liberates toxic gas.

### 5.3. Advice for firefighters

A self contained breathing apparatus should be worn in fire conditions.

HAZCHEM: 2R

### Additional information

No specific precautions required.

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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing. Use personal protective clothing.

### 6.2. Environmental precautions

Do not discharge into the drains/surface waters/ground water.

### 6.3. Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder).

Flush away residues with water.

### 6.4. Reference to other sections

Observe protective instructions (see Sections 7 and 8).

Information for disposal see section 13.

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## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Follow the directions.

Do not mix with other products.

Avoid contact with skin, eyes and clothing.

When using do not eat, drink or smoke.

Wash hands before breaks and at the end of workday.

Contaminated work clothing should not be allowed out of the workplace.

#### Advice on protection against fire and explosion

No specific precautions required.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Provide ventilation of containers. Do not use aluminium or light metal containers for warehousing.

#### Hints on joint storage

Keep at a distance of acids.

Protect from heat and direct solar radiation.

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### Further information on storage conditions

Recommended storage temperature: 0 - 25°C

### 7.3. Specific end use(s)

Hygiene all-purpose detergent

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational Exposure Limits (OEL) - Australia

Sodium hydroxide TWA 2 mg/m<sup>3</sup> Peak limitation (HCIS)

Potassium hydroxide TWA 2 mg/m<sup>3</sup> Peak limitation (HCIS)

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
1310-58-3	Potassium hydroxide	-	2		STEL (15 min)	WEL
1310-73-2	Sodium hydroxide	-	2		STEL (15 min)	WEL

### 8.2. Exposure controls



#### Appropriate engineering controls

Ensure adequate ventilation, especially in confined areas.

#### Protective and hygiene measures

Wash hands before breaks and at the end of workday.

When using do not eat, drink or smoke.

Take off immediately all contaminated clothing.

Avoid contact with skin, eyes and clothing.

#### Eye/face protection

Safety goggles (EN 166).

#### Hand protection

Protective gloves (EN 374).

#### Respiratory protection

Not required under normal use.

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

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Yellowish
Odour:	Chlorine
pH-Value (at 20 °C):	14
Melting point:	< -15 °C
Initial boiling point and boiling range:	approx. 100 °C
Flash point:	> 100 °C
Evaporation rate:	Not determined
Lower explosion limits:	Not applicable
Upper explosion limits:	Not applicable
Vapour pressure (at 20 °C):	Not determined
Vapour density:	Not determined
Density (at 20 °C):	~ 1.32 g/cm <sup>3</sup>

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Bulk density:	Not applicable
Water solubility (at 20 °C):	Multimiscible
Solubility in other solvents:	Not determined
Partition coefficient:	Not determined
Ignition temperature:	Not applicable
Viscosity / dynamic (at 20 °C):	< 10 mPa·s
Explosive properties:	The product is not explosive.
Oxidizing properties:	Not fire-promoting.

### 9.2. Other information

No data available

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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reactions with base metals, with evolution of hydrogen. Reaction with water and acids accompanied by generation of heat.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Contact with acids liberates toxic gas. Hydrogen, by reaction with metals.

### 10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.

### 10.5. Incompatible materials

Acids.

Corroses base metals.

### 10.6. Hazardous decomposition products

No decomposition if stored and applied as directed.

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

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

Sodium hydroxide:

LD50/dermal/rat: > 2000 mg/kg

LD50/oral/rat: > 2000 mg/kg

LC50/inhalation/rat: > 5 mg/l (4h)

Potassium hydroxide

LD50/dermal/rat: > 333 mg/kg

#### Irritation and corrosivity

Causes severe skin burns and eye damage.

#### Sensitising effects

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

#### STOT-single exposure

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

#### Severe effects after repeated or prolonged exposure

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.

The product does not contain relevant concentrations of substances with carcinogenic or mutagenic properties and/or such that are reprotoxic.

#### Aspiration hazard

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

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### SECTION 12: Ecological information

#### 12.1. Toxicity

No data available

#### 12.2. Persistence and degradability

According to the EC Regulation 648/2004 ( regulation on detergents) the contained surfactants are complying with the requirements for biodegradability.

#### 12.3. Bioaccumulative potential

The product does not contain relevant concentrations of bioaccumulative substances.

#### 12.4. Mobility in soil

No data available

#### 12.5. Results of PBT and vPvB assessment

Refer to section: 2.3

#### 12.6. Other adverse effects

No data available

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Advice on disposal

Where possible recycling is preferred to disposal.

Can be incinerated, when in compliance with local regulations.

##### Contaminated packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

### SECTION 14: Transport information

#### Land transport (ADG)

##### 14.1. UN number:

UN 1719

##### 14.2. UN proper shipping name:

CAUSTIC ALKALI LIQUID, N.O.S. (Sodium hydroxide, Potassium hydroxide, Sodium hypochlorite)

##### 14.3. Transport hazard class(es):

8

##### 14.4. Packing group:

II

Hazard label:

8



Classification code:

C5

Special Provisions:

274

Limited quantity:

1 L

##### Other applicable information (land transport)

HAZCHEM: 2R

#### Inland waterways transport (ADN)

##### 14.1. UN number:

UN 1719

##### 14.2. UN proper shipping name:

CAUSTIC ALKALI LIQUID, N.O.S. (Sodium hydroxide, Potassium hydroxide, Sodium hypochlorite)

##### 14.3. Transport hazard class(es):

8

##### 14.4. Packing group:

II

Hazard label:

8



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Classification code: C5  
Special Provisions: 274  
Limited quantity: 1 L

### Marine transport (IMDG)

14.1. UN number: UN 1719  
14.2. UN proper shipping name: CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE, POTASSIUM HYDROXIDE, SODIUM HYPOCHLORITE)  
14.3. Transport hazard class(es): 8  
14.4. Packing group: II  
Hazard label: 8



Special Provisions: 274  
Limited quantity: 1 L  
EmS: F-A, S-B

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

14.1. UN number: UN 1719  
14.2. UN proper shipping name: CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE, POTASSIUM HYDROXIDE, SODIUM HYPOCHLORITE)  
14.3. Transport hazard class(es): 8  
14.4. Packing group: II  
Hazard label: 8



Special Provisions: A3 A803  
Limited quantity Passenger: 0.5 L  
IATA-packing instructions - Passenger: 851  
IATA-max. quantity - Passenger: 1 L  
IATA-packing instructions - Cargo: 855  
IATA-max. quantity - Cargo: 30 L

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

### 14.6. Special precautions for user

Refer to section: 6 - 8

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

The transport takes place only in approved and appropriate packaging. The product is not intended for transport in bulk.

## SECTION 15: Regulatory information

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

#### EU regulatory information

1999/13/EC (VOC): 0%

#### National regulatory information

#### Additional information

Poison Schedule: Labelling requirements for SUSMP do not apply to a poison that is packed and sold solely for industrial, laboratory or manufacturing use. However, this product is labelled in accordance with the Safe Work Australia "Code of Practice" for workplace substances.

AICS: No information available.

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### 15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

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## SECTION 16: Other information

### Changes

Changes in chapter: -

### Abbreviations and acronyms

ADG = Australian Code for the Transport of Dangerous Goods by Road & Rail  
IMDG = International Maritime Code for Dangerous Goods  
IATA/ICAO = International Air Transport Association / International Civil Aviation Organization  
MARPOL = International Convention for the Prevention of Pollution from Ships  
IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk  
HAZCHEM = HAZardous CHEMicals

WHS = Work Health and Safety  
NOHSC = National Occupational Health and Safety Commission (Australia)  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
REACH = Registration, Evaluation, Authorization and Restriction of Chemicals  
CAS = Chemical Abstract Service  
EN = European norm  
ISO = International Organization for Standardization

DIN = Deutsche Industrie Norm  
PBT = Persistent Bioaccumulative and Toxic  
vPvB = Very Persistent and very Bio-accumulative  
LD = Lethal dose  
LC = Lethal concentration  
EC = Effect concentration  
IC = Median immobilisation concentration or median inhibitory concentration

### Relevant H and AUH phrases (number and full text)

H290 May be corrosive to metals.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.  
H400 Very toxic to aquatic life.  
H411 Toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.  
AUH031 Contact with acids liberates toxic gas.  
AUH206 Warning! Do not use together with other products. May release dangerous gases (chlorine).

### Further Information

Data of items 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.

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