

Safety Data Sheet

according to Regulation (EC) No 1907/2006

winterhalter®

F 300

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

1.1. Product identifier

F 300

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

Use of the substance/mixture

Hygiene 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 1272/2008/EC

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 Acute 1

Hazard Statements:

May be corrosive to metals.

Causes severe skin burns and eye damage.

Very toxic to aquatic life.

2.2. Label elements

Hazard components for labelling

Sodium hypochlorite, solution

Sodium hydroxide

Signal word: Danger

Pictograms:



Hazard statements

H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352 IF ON SKIN: Wash with plenty of water.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P501 Disposal in accordance with local regulations.

Special labelling of certain mixtures

EUH031 Contact with acids liberates toxic gas.

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2.3. Other hazards

According to Regulation (EC) No 1907/2006 (REACH) none of the substances, contained in this product are a PBT / vPvB substance.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of the following substances with non-hazardous admixtures

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
7681-52-9	Sodium hypochlorite, solution			< 5 %
	231-668-3	017-011-00-1	01-2119488154-34	
	Met. Corr. 1, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1; H290 H314 H318 H400 H410 EUH031			
1310-73-2	Sodium hydroxide			< 25 %
	215-185-5	011-002-00-6	01-2119457892-27	
	Met. Corr. 1, Skin Corr. 1A, Eye Dam. 1; H290 H314 H318			
1344-09-8	Sodium silicate lumps, molar ratio > 3.2.			1 < 5 %
	215-687-4		01-2119448725-31	

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

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
7681-52-9	231-668-3	Sodium hypochlorite, solution	< 5 %
	inhalation: LC50 = > 10,5 mg/l (vapours); dermal: LD50 = > 10000 mg/kg; oral: LD50 = 8910 mg/kg M acute; H400: M=10 M chron.; H410: M=1 EUH; EUH031: >= 5 - 100		
1310-73-2	215-185-5	Sodium hydroxide	< 25 %
	Skin Corr. 1A; H314: >= 5 - 100 Skin Corr. 1B; H314: >= 2 - < 5 Skin Irrit. 2; H315: >= 0,5 - < 2 Eye Irrit. 2; H319: >= 0,5 - < 2		

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.

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

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.

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

No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam, carbon dioxide (CO₂), 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.

Additional information

No specific precautions required.

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.

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.

Further information on storage conditions

Recommended storage temperature: 0 - 25°C

7.3. Specific end use(s)

Hygiene detergent

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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Exposure limits (EH40)

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

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
1310-73-2	Sodium hydroxide			
Worker DNEL, long-term		inhalation	local	1 mg/m ³
Worker DNEL, long-term		inhalation	systemic	2,1 mg/m ³

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): > 12 (1% Aqueous solution)

Changes in the physical state

Boiling point or initial boiling point and boiling range: approx. 100 °C

Flash point: > 100 °C

Explosive properties

The product is not explosive.

Auto-ignition temperature: Not applicable

Oxidizing properties

Not fire-promoting.

Vapour pressure: (at 20 °C) Not determined

Density (at 20 °C): ~ 1,24 g/cm³

Bulk density: Not applicable

Test method

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Water solubility: (at 20 °C)	Multimiscible
Solubility in other solvents Not determined	
Partition coefficient n-octanol/water:	Not determined
Flow time:	10 s 4 DIN 53211
Relative vapour density:	Not determined
Evaporation rate:	Not determined

9.2. Other information

No data available

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.

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)

ATEmix calculated

ATE (inhalation vapour) 18,75 mg/l

Irritation and corrosivity

Causes severe skin burns and eye damage.

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.

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

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.

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SECTION 12: Ecological information

12.1. Toxicity

No data available

12.2. Persistence and degradability

No data available

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

Disposal recommendations

Can be incinerated, when in compliance with local regulations.

List of Wastes Code - residues/unused products

200129 MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL, INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY COLLECTED FRACTIONS; separately collected fractions (except 15 01); detergents containing hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

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 (ADR/RID)

14.1. UN number:

UN 1719

14.2. UN proper shipping name:

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

14.3. Transport hazard class(es):

8

14.4. Packing group:

III

Hazard label:

8



Classification code:

C5

Special Provisions:

274

Limited quantity:

5 L

Transport category:

3

Hazard No:

80

Tunnel restriction code:

E

Inland waterways transport (ADN)

14.1. UN number:

UN 1719

14.2. UN proper shipping name:

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

14.3. Transport hazard class(es):

8

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14.4. Packing group:

Hazard label:

III

8



Classification code:

C5

Special Provisions:

274

Limited quantity:

5 L

Marine transport (IMDG)

14.1. UN number:

UN 1719

14.2. UN proper shipping name:

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

14.3. Transport hazard class(es):

8

14.4. Packing group:

III

Hazard label:

8



Special Provisions:

223, 274

Limited quantity:

5 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, sodium hypochlorite)

14.3. Transport hazard class(es):

8

14.4. Packing group:

III

Hazard label:

8



Special Provisions:

A3 A803

Limited quantity Passenger:

1 L

IATA-packing instructions - Passenger:

852

IATA-max. quantity - Passenger:

5 L

IATA-packing instructions - Cargo:

856

IATA-max. quantity - Cargo:

60 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes



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

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Restrictions on use (REACH, annex XVII):

Entry 3

2004/42/EC (VOC): 0%

Additional information

Ingredients according to EC Detergents Regulation 648/2004:

Phosphates: 1 - 5%

Bleaching agent on chlorine basis: < 5%

National regulatory information

Water hazard class (D): 2 - obviously hazardous to water

15.2. Chemical safety assessment

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

SECTION 16: Other information

Changes

Changes in section: 8, 9, 12

Abbreviations and acronyms

EC Directives: acts of the European Union, part of the secondary Union law

CAS-Nr.: Chemical Abstracts Service

TRGS 510: Technical Rules for Hazardous Substances "storage of hazardous materials in portable tanks"

TRGS 900: Technical Rules for Hazardous Substances "workplace exposure limits"

EN 374: Standard for protective gloves (gloves for protection against chemicals and micro-organisms)

EN 166: European safety standards for eye and face protection (requirements)

STOT: Specific target organ toxicity

AVV: European Waste Catalogue

VOC: Volatile organic compound

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

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route

(Agreement concerning the international carriage of Dangerous goods by Road)

RID: Regulation Concerning the International Transport of Dangerous Goods by Rail

IMDG-Code: International Maritime Code for Dangerous Goods

ADN: sea and inland waterway transport

ICAO: International Civil Aviation Organization

MARPOL 73/78: 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

Bulk

n.a. - not applicable

Relevant H and EUH statements (number and full text)

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH031	Contact with acids liberates toxic gas.

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.

(n.a. = not applicable; n.d. = not determined)

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