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 bistro detergent

1.3. Details of the supplier of the safety data sheet

Company name:	Winterhalter Australia Pty Ltd
Street:	Unit 4/74, Helen Street Sefton
Place:	NSW 2162 Sydney · Australia
Telephone	+61 29645-3211
Telefax	61 29645-3288
e-mail:	sales@winterhalter.com.au
Internet:	www.winterhalter.com.au

1.4. Emergency telephone number: +49 30 30686-790

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to 67/548/EEC (1999/45/EC)

Indications of danger: C - Corrosive, N - Dangerous for the environment
R phrases:
Contact with acids liberates toxic gas.
Causes severe burns.
Very toxic to aquatic organisms.

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

Hazardous components which must be listed on the label

Sodium hypochlorite, solution
Sodium hydroxide

Signal word:	Danger
Pictograms:	GHS05-GHS09

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.

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

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
231-668-3	Sodium hypochlorite, solution	< 5 %
7681-52-9	C - Corrosive, N - Dangerous for the environment R34-31-50	
017-011-00-1	Skin Corr. 1B, Aquatic Acute 1 (M-Factor = 10); H314 H400 EUH031	
01-2119488154-34		
215-185-5	Sodium hydroxide	< 25 %
1310-73-2	C - Corrosive R35	
011-002-00-6	Met. Corr. 1, Skin Corr. 1A; H290 H314	
01-2119457892-27		
215-687-4	Sodium silicate lumps, molar ratio > 3.2.	1 < 5 %
1344-09-8		
01-2119448725-31		

Full text of R, H and EUH phrases: 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.

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.

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.

Advice on storage compatibility
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 bistro detergent.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
1310-73-2	Sodium hydroxide	-	-		TWA (8 h)	WEL
		-	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).
A list of suitable products with detailed information on service time is available on request.

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:	Yellow - Green	
Odour:	Chlorine	
pH-Value (at 20 °C):	> 12 (1% Aqueous solution)	
Initial boiling point and boiling range:	approx. 100 °C	
Flash point:	> 100 °C	
Evaporation rate:	Not determined	
Vapour pressure (at 20 °C):	Not determined	
Vapour density:	Not determined	
Density (at 20 °C):	1,23 - 1,25 g/cm³	
Bulk density:	Not applicable	
Water solubility (at 20 °C):	Multimiscible	
Solubility in other solvents:	Not determined	
Partition coefficient:	Not determined	
Ignition temperature:	Not applicable	
Explosive properties:	The product is not explosive.	
Oxidizing properties:	Non oxidizing.	
Flow time:	10 s	4 DIN 53211

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 (inhalative 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.

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.

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
An ecological certificate with detailed information on environmental sustainability is available on request.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Advice on disposal

Can be incinerated, when in compliance with local regulations.

Waste disposal number of waste from 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
Classified as hazardous waste.

Waste disposal number of 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
14.4. Packing group:	III
Hazard label:	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)

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 MARPOL73/78 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): < 30%

Additional information

Ingredients according to EC Detergents Regulation 648/2004:
Phosphates: 1 - 5%
Bleaching agent on chlorine basis: < 5%

National regulatory information

15.2. Chemical safety assessment

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

SECTION 16: Other information

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: 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
n.a. - not applicabile

Relevant R phrases (number and full text)

31	Contact with acids liberates toxic gas.
34	Causes burns.
35	Causes severe burns.
50	Very toxic to aquatic organisms.

Relevant H and EUH statements (number and full text)

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