

Safety Data Sheet

according to Regulation (EC) No 1907/2006

winterhalter®

F 8500

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

1.1. Product identifier

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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

Supplier

Company name: Winterhalter Ltd.
Winterhalter House
Street: Roebuck Way, Knowlhill Milton Keynes
Place: UK Buckinghamshire MK5 8WH United Kingdom
Telephone: +44 1908 3590-00
Telefax: +44 1908 3590-60
e-mail: info@winterhalter.co.uk
Internet: www.winterhalter.co.uk

1.4. Emergency telephone number:

National Poisons Centre, Birmingham: +44 845 4647
Emergency CONTACT (24-Hour-Number): GBK GmbH +49 (0)6132-84463

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

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

Potassium hydroxide

Sodium hypochlorite, solution 1-5 % Cl active

Signal word: Danger

Pictograms: GHS05



Hazard statements

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

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P304+P340 easy to do. Continue rinsing.
P310 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P501 Immediately call a POISON CENTER/doctor.
Disposal in accordance with local regulations.

Special labelling of certain mixtures

EUH206 Warning! Do not use together with other products. May release dangerous gases (chlorine).

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		
Index No	GHS Classification	
REACH No		
215-181-3	caustic potash, potassium hydroxide	10 - 20 %
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 1; H290 H314 H318 H400 H410 EUH031	
01-2119488154-34		

Full text of H and EUH 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

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.

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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 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.

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 all-purpose detergent

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	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):	~ 1,27 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
Viscosity / dynamic (at 20 °C):	< 10 mPa·s

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Explosive properties:

The product is not explosive.

Oxidizing properties:

Not fire-promoting.

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)

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.

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.

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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

Where possible recycling is preferred to disposal.

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, 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
Transport category:	2
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, 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%

Additional information

Ingredients according to EC Detergents Regulation 648/2004:

Bleaching agent on chlorine basis: < 5%

National regulatory information

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15.2. Chemical safety assessment

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

SECTION 16: Other information

Changes

Changes in chapter: 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
n.a. - not applicable

Relevant H and EUH statements (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.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

EUH031 Contact with acids liberates toxic gas.

EUH206 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.

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