

Safety Data Sheet

according to Regulation (EC) No 1907/2006

winterhalter[®]

F 865 PLUS

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

Special aluminium 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. 1

Serious eye damage/eye irritation: Eye Dam. 1

Hazard Statements:

May be corrosive to metals.

Causes severe skin burns and eye damage.

Causes serious eye damage.

2.2. Label elements

Hazard components for labelling

Potassium silicate

Potassium hydroxide

Disodium metasilicate

Signal word: Danger

Pictograms: GHS05



Hazard statements

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

Precautionary statements

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

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

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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P310 Immediately call a POISON CENTER/doctor.
P501 Disposal in accordance with local regulations.

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		
215-199-1	Potassium silicate	5 - 10 %
1312-76-1		
	Skin Corr. 1B, Eye Dam. 1, STOT SE 3; H314 H318 H335	
01-2119456888-17		
215-181-3	Potassium hydroxide	5 - 10 %
1310-58-3		
	Met. Corr. 1, Acute Tox. 4, Skin Corr. 1A; H290 H302 H314	
01-2119487136-33		
207-838-8	sodium carbonate	1 - < 5 %
497-19-8		
011-005-00-2	Eye Irrit. 2; H319	
01-2119485498-19		
229-912-9	Disodium metasilicate	1 - < 5 %
10213-79-3		
	Met. Corr. 1, Skin Corr. 1B, STOT SE 3; H290 H314 H335	
01-2119449811-37		
226-901-0	Dimethyldioctylammonium chloride	< 1 %
5538-94-3		
	Acute Tox. 2, Acute Tox. 3, Skin Corr. 1B, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1; H310 H301 H314 H318 H400 H410	
01-2120767055-53		

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

Take affected person into fresh air. Consult a physician.

After contact with skin

Wash with water and soap and rinse thoroughly. Remove and wash contaminated clothing before re-use. Consult a physician.

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. If swallowed, seek medical advice immediately and show this label.

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show this container or label.

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

Causes severe burns.

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

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Product does not burn, fire-extinguishing activities according to surrounding.

5.2. Special hazards arising from the substance or mixture

Exothermic reaction with: Acids

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations. Collect contaminated fire-fighting water, avoid any release into the sewerage.

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. Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

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. Ensure adequate ventilation. Avoid dust formation.

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

Keep container tightly closed and store at cool and aired place. Store in a dark place. Do not use aluminium or light metal containers for warehousing.

Hints on joint storage

Keep at a distance of acids.

Further information on storage conditions

Keep in closed original container. Use only alkali-resistant containers/systems.

7.3. Specific end use(s)

Special aluminium 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
1310-58-3	Potassium 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

Face shield, Tightly fitting goggles (EN 166).

Hand protection

Protective gloves (EN 374).

Skin protection

Wear protective clothing.

Respiratory protection

Breathing apparatus in the event of aerosol or mist formation.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Colourless
Odour:	Product-specific
pH-Value (at 20 °C):	14
Initial boiling point and boiling range:	~100 °C
Flash point:	Not applicable
Evaporation rate:	Not determined
Vapour pressure (at 20 °C):	Not determined
Vapour density:	Not determined
Density (at 20 °C):	~ 1,4 g/cm ³
Water solubility (at 20 °C):	Soluble
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.

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Chemically stable.

10.2. Chemical stability

Stable under normal conditions.

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10.3. Possibility of hazardous reactions

Reactions with base metals, with evolution of hydrogen.

10.4. Conditions to avoid

Protect from moisture. Keep away from heat and sources of ignition.

10.5. Incompatible materials

Acids.

10.6. Hazardous decomposition products

Hydrogen, by reaction with metals.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Toxicocinetics, metabolism and distribution

The product has not been tested.

Acute toxicity

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

sodium carbonate:

LD50/dermal/rabbit: > 2000 mg/kg

LD50/oral/rat: 2800 mg/kg

LC50/inhalation/rat: > 2,3 mg/l (2h)

Irritation and corrosivity

Causes severe skin burns and eye damage.

Causes serious 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

All organic substances contained in the product correspond with the criteria of the test OECD 302 B and the values required for complete biodegradability in Regulation (EC) 648/2004 on Detergents.

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

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Disposal recommendations

Can be incinerated, when in compliance with local regulations.

List of Wastes Code - residues/unused products

060205 WASTES FROM INORGANIC CHEMICAL PROCESSES; wastes from the MFSU of bases; other bases; 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. (Potassium hydroxide, Disodium metasilicate)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
Hazard label: 8



Classification code: C5
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. (Potassium hydroxide, Disodium metasilicate)
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

Marine transport (IMDG)

14.1. UN number: UN 1719
14.2. UN proper shipping name: CAUSTIC ALKALI LIQUID, N.O.S. (Potassium hydroxide, disodium metasilicate)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
Hazard label: 8

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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. (Potassium hydroxide, disodium metasilicate)

14.3. Transport hazard class(es):

8

14.4. Packing group:

II

Hazard label:

8



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:

15 - 30 % Phosphates; additives, alkalies

< 5 % cationic surfactants

< 5 % Amphoteric surfactants

National regulatory information

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

Changes in chapter: 3

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)

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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.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H310	Fatal in contact with skin.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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)