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

1.1. Product identifier

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UFI: C36Y-QAGT-Q98S-NRWV

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

Use of the substance/mixture

Special detergent

1.3. Details of the supplier of the safety data sheet

Supplier

Company name:	Winterhalter Ltd. Winterhalter House
Street:	Roebuck Way, Knowhill Milton Keynes
Place:	UK Buckinghamshire MK5 8WH United Kingdom
Telephone:	+44 1908 3590-00
Telefax:	+44 1908 3590-60
e-mail:	sds@winterhalter.com
Internet:	www.winterhalter.co.uk
1.4. Emergency telephone number:	National Poisons Centre, Birmingham: 0344 892 0111 Emergency CONTACT (24-Hour-Number): GBK GmbH +49 (0)6132-84463

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Hazard categories:

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

Skin corrosion/irritation: Skin Corr. 1B

Serious eye damage/eye irritation: Eye Dam. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

May be corrosive to metals.

Causes severe skin burns and eye damage.

May cause respiratory irritation.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

Disodium metasilicate, sodium hydroxide

Signal word: Danger

Pictograms: GHS05-GHS07

Pictograms:



Hazard statements

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H335	May cause respiratory irritation.

Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face 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

Safety Data Sheet

according to UK REACH Regulation

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P310 present and easy to do. Continue rinsing.
P501 Immediately call a POISON CENTER/doctor.
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

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
10213-79-3	Disodium metasilicate			40 - 60 %
	229-912-9		01-2119449811-37	
	Met. Corr. 1, Skin Corr. 1B, STOT SE 3; H290 H314 H335			
1310-73-2	sodium hydroxide			5 - < 10 %
	215-185-5	011-002-00-6	01-2119457892-27	
	Met. Corr. 1, Skin Corr. 1A, Eye Dam. 1; H290 H314 H318			

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		
1310-73-2	215-185-5	sodium hydroxide	5 - < 10 %
	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

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 container or label.

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

When the first symptoms appear, or in case of doubt seek medical advice.

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

None

SECTION 5: Firefighting measures

5.1. Extinguishing media

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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: Water, 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

Pick up mechanically, avoiding dust, and provide disposal in suitable recipients. 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

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

7.3. Specific end use(s)

Special detergent

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limits (EH40)**

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

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DNEL/DMEL values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
1310-73-2	sodium hydroxide			
Worker DNEL, long-term		inhalation	local	1 mg/m³
Worker DNEL, long-term		inhalation	systemic	2,1 mg/m³

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

In case of dust formation wear micro dust mask. Half mask with a particle filter P2 (European Norm EN 143 = former DIN 3181).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	free-flowing powder
Colour:	White - Yellowish
Odour:	Product-specific
pH-Value (at 20 °C):	> 12,1 (1 % aqueous solution)

Changes in the physical state

Boiling point or initial boiling point and boiling range:	Not determined
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Flash point:	Not applicable
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Explosive properties:	The product is not explosive.
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Auto-ignition temperature:	Not applicable
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Vapour pressure: (at 20 °C)	Not determined
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Bulk density:	870-920 kg/m³
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Water solubility: (at 20 °C)	Multimiscible
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Solubility in other solvents:	Not determined
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Partition coefficient n-octanol/water:	Not determined
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Viscosity / dynamic: (at 20 °C)	Not applicable
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Relative vapour density:	Not determined
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Evaporation rate:	Not determined
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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.

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

Toxicokinetics, 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.

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

May cause respiratory irritation. (Disodium metasilicate)

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.

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

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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

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 3262

14.2. UN proper shipping name:

CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Disodium metasilicate, sodium hydroxide)

14.3. Transport hazard class(es):

8

14.4. Packing group:

II

Hazard label:

8



Classification code:

C6

Special Provisions:

274

Limited quantity:

1 kg

Excepted quantity:

E2

Transport category:

2

Hazard No:

80

Tunnel restriction code:

E

Inland waterways transport (ADN)

14.1. UN number:

UN 3262

14.2. UN proper shipping name:

CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Disodium metasilicate, sodium hydroxide)

14.3. Transport hazard class(es):

8

14.4. Packing group:

II

Hazard label:

8



Classification code:

C6

Special Provisions:

274

Limited quantity:

1 kg

Excepted quantity:

E2

Marine transport (IMDG)

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14.1. UN number: UN 3262
14.2. UN proper shipping name: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Disodium metasilicate, sodium hydroxide)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
Hazard label: 8



Special Provisions: 274
Limited quantity: 1 kg
Excepted quantity: E2
EmS: F-A, S-B

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 3262
14.2. UN proper shipping name: CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (Disodium metasilicate, sodium hydroxide)
14.3. Transport hazard class(es): 8
14.4. Packing group: II
Hazard label: 8



Special Provisions: A3 A803
Limited quantity Passenger: 5 kg
Passenger LQ: Y844
Excepted quantity: E2
IATA-packing instructions - Passenger: 859
IATA-max. quantity - Passenger: 15 kg
IATA-packing instructions - Cargo: 863
IATA-max. quantity - Cargo: 50 kg

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

Restrictions on use (REACH, annex XVII):

Entry 75

2004/42/EC (VOC): 0%

Additional information

Ingredients according to EC Detergents Regulation 648/2004:

> 30 %Phosphates

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water

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 section: -

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.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

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.)