

Safety data sheet	Page: 1 of 10
	Issue date: 16-11-2021 1.0/EN
Extreme Booster professional grill & oven cleaner	According: Regulation (EC) 1907/2006

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name : Extreme Booster professional grill & oven cleaner 1L
 Synonyms : Art. 975039

Unique formula identifier (UFI) : D200-U0CW-500M-Q58U

1.2 Relevant identified uses and uses advised against

Relevant identified uses : Professional cleaning agent for grills and oven.
 Uses advised against : Not determined.

1.3 Details of the supplier of the safety data sheet

Supplier : Hendi BV, Innovatielaan 6, 6745 XW De Klomp, The Netherlands
 tel: +31 (0)317 681040
 info@hendi.eu
 www.hendi.eu

1.4 Emergency telephone number : NL NVIC: +31 (0)88 755 8000 Only for the purpose of informing medical personnel in case of acute intoxications.

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLP Regulation (EC 1272/2008) : **Met. Corr. 1 H290, Skin Corr. 1A H314, Eye Dam. 1 H318**
 May be corrosive to metals. Causes severe skin burns and eye damage.
 Causes serious eye damage.

2.2 Label elements

CLP Regulation (EC 1272/2008)

Contains : Sodium hydroxide



Pictogram(s) : GHS05

Signal word : Danger

Hazard statement(s) : H290 May be corrosive to metals.
 H314 Causes severe skin burns and eye damage.

Precautionary statement(s) : P280 Wear protective gloves/protective clothing/eye protection/face 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 easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.
 P501 Dispose of contents/container to properly labelled waste containers according to national law.

2.3 Other hazards

: Additional advice: Keep out of reach of children.

The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in

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accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 (3) or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % by weight.

Product does not contain ingredients, which meet criteria for PBT or vPvB in accordance with Annex XIII of REACH Regulation.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance: not relevant

3.2 Mixture:

Chemical name	CAS nr	EC number Index number	Registration number	%	Hazard statements (EC 1272/2008)	Specific concentration limits:
Sodium hydroxide	1310-73-2	215-185-5 011-002-00-6	01- 2119457892- 27-XXXX	10-15	Met. Corr. 1 H290, Skin Corr. 1A H314	Skin Corr. 1A H314: C ≥ 5% Skin Corr. 1B H314: 2% ≤ C < 5% Skin Irrit. 2 H315: 0,5% ≤ C < 2% Eye Irrit. 2 H319: 0,5% ≤ C < 2%
Natriummetasilicat pentahydrate	10213-79-3	229-912-9 014-010-00-8	01- 2119449811- 37-XXXX	1-5	Met. Corr. 1 H290, Skin Corr. 1B H314, STOT SE 3 H335	
Tetrasodium ethylene diamine tetraacetate	64-02-8	200-573-9 607-428-00-2	-	<2	Acute Tox. 4 H302, Eye Dam. 1 H318	

Ingredients in accordance with Regulation 648/2004/EC as amended.

EDTA and salts thereof < 5%.

The full text of each relevant hazard statement is listed in Section 16.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

- | | |
|-------------------|---|
| Inhalation | : Remove to fresh air. Keep the victim warm and calm. Consult a doctor if disturbing symptoms appear. |
| Contact with skin | : Consult a doctor immediately. Take off contaminated clothes. Wash out skin with plenty of water with soap. Put on sterile dressing. |
| Contact with eyes | : Consult a doctor immediately. Protect non-irritated eye and remove contact lenses. Wash out with plenty of water for 10-15 minutes. Avoid powerful water stream – risk of cornea damage. Put on sterile dressing. |
| Ingestion | : Consult a doctor immediately– show the container or label. Do not induce vomiting! Rinse mouth with water. Never give anything by mouth to an unconscious person. |

4.2 Most important symptoms and effects, both acute and delayed

- | | |
|-------------------|--|
| Inhalation | : Irritation of the respiratory system. |
| Contact with skin | : Redness, burning, pain, burns, difficult to heal wounds, necrosis. |
| Contact with eyes | : Redness, tearing, burning, pain, risk of eye damage. |
| Ingestion | : Burns of the mouth, throat, esophagus, risk of perforation of the esophagus and stomach. |

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4.3 Indication of any immediate medical attention and special treatment needed

Physician makes a decision regarding further medical treatment after thoroughly examination of the injured.
Symptomatic treatment.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media : Adapt extinguishing media to the materials gathered in the vicinity.
 Unsuitable extinguishing media : Water jet - risk of the propagation of the flame.

5.2 Special hazards arising from the substance or mixture

: During the fire, the product may produce harmful gases containing carbon oxides. Do not inhale combustion products, it may cause health risk.

5.3 Advice for firefighters

: Personal protection typical in case of fire. Do not stay in the fire zone without self-contained breathing apparatus and protective clothing resistant to chemicals. Do not let extinguishing water reach drainage system and ground waters.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment & emergency procedures:

Limit the access for the outsiders into the breakdown area, until the suitable cleaning operations are completed. Ensure that effects of the breakdown are removed only by qualified personnel. In case of large spills, isolate the exposed area. Wear personal protective equipment. Avoid eyes and skin contamination. Ensure adequate ventilation.

6.2 Environmental precautions

: Embank the leakage, remove topsoil. In case of release of large amounts of the product, it is necessary to take appropriate steps to prevent it from spreading into the environment. Notify relevant emergency services.

6.3 Methods and material for containment and cleaning up

: Collect with liquid-binding material (e.g. sand, soil, universal binding agent, silica, etc.) and place in waste containers. Collected material treat as waste. Clean the contaminated place.

6.4 Reference to other sections

: For personal protection - section 8. Disposal - section 13

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

: Handle in accordance with good occupational hygiene and safety practices. Avoid eyes and skin contamination. Before break and after work carefully wash hands. Unused containers keep tightly closed. Do not allow vapors to concentrate in the air in concentrations exceeding the permissible values. Use personal protective equipment.

7.2 Conditions for safe storage

: Store only in tightly closed containers. Keep away from food and animal feed. Temperature recommended for storage: 15-30°C. Protect from direct sunlight. Recommended packaging material: HDPE. Keep away from acids, alcohols, strong oxidants, metals type zinc, aluminium and their alloys.

7.3 Specific end use(s)

: No information about other uses than those mentioned in subsection 1.2.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Product does not contain components with occupational exposure limit values established on the Community level. Please check any national occupational exposure limit values in your country.
 Legal Basis: Commission Directive 2000/39/EC, 2006/15/EC, 2009/161/EU, 2017/164/EU, 2019/1831/EU.

Occupational exposure limit values:

Sodium hydroxide (CAS 1310-73-2)

Denmark:	2 mg/m ³ (TWA – 8h)
Finland:	2 mg/m ³ (TWA - 15min)
France:	2 mg/m ³ (TWA – 8h)
Norway:	2 mg/m ³ (TWA – 8h)
Austria:	2 mg/m ³ inhalable fraction (TWA – 8h) 4 mg/m ³ inhalable fraction (TWA - 15min)
Great Brittan:	2 mg/m ³ (TWA - 15min)
Sweden:	1 mg/m ³ inhalable fraction (TWA – 8h) 2 mg/m ³ inhalable fraction (TWA - 15min)
Switzerland:	2 mg/m ³ inhalable fraction (TWA – 8h) 2 mg/m ³ inhalable fraction (TWA - 15min)

Recommended control procedures

Procedures concerning the control over the dangerous components concentrations in the air and control over the air quality in the workplace – if they are available and justified for the position – in accordance with the European Standards, with the conditions within the exposure place and a proper test methodology adapted to the working conditions.

8.2 Exposure controls

Appropriate engineering controls

Observe good occupational hygiene and safety practices. During operation, do not eat, drink or smoke. Before break and after work wash hands carefully. Immediately take off contaminated clothes. If during work processes there is a risk of clothing fire on the workers - safety showers (for washing the whole body) and separate eyewash stations should be installed no further than 20 meters in horizontal line from the posts on which the processes are carried out. Ensure good general and/or local ventilation at work stations to ensure the maintenance of concentrations of hazardous components in the atmosphere below the exposure limit values.

Personal protective equipment

The necessity to use and selection of appropriate personal protective equipment should take into account the type of risk posed by the product, working conditions and the way of handling the product. The personal protective equipment used must meet the requirements of Regulation (EU) 2016/425 and the relevant standards. The employer is obliged to provide protection measures appropriate to the activities performed and meeting all quality requirements, including their maintenance and cleaning. Any contaminated or damaged PPE must be replaced immediately.

Hand and body protection

Use protective gloves and protective clothing resistant to bases in accordance with EN 374. Recommended material for gloves: butyl rubber, neoprene or natural latex. In case of a short contact, use protective gloves with effectiveness level ≥ 2 (breakthrough time > 30 minutes). In case of a prolonged contact, use protective gloves with effectiveness level 6 (breakthrough time > 480 minutes).

The material from which the gloves are made must be impermeable and resistant to the product. The choice of material should be made taking into account breakthrough times, permeation rates and degradation. In addition, the selection of suitable gloves does not only depend on the material, but also on other quality characteristics and varies depending on the manufacturer. The glove manufacturer should obtain information on the exact breakthrough time and comply with it.

Eye protection

Use protective glasses or face protection in accordance with EN 166.

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Respiratory protection

Not required if there is an appropriate ventilation. If the vapours are created and in emergency situations use absorbing equipment or absorbing and filtering equipment with a suitable protection class (class 1/protection against vapours with a concentration in the air volume not exceeding 0.1 %, class 2 / protection against vapours with a concentration in the air not exceeding 0.5 %, class 3 / protect against vapours at concentrations in the air volume to 1 %).

Thermal hazards

Do not occur.

Environmental exposure controls

Do not allow the large quantity of product to contaminate ground water, sewage system or soil.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	: liquid
Colour	: from colourless to yellow
Odour	: characteristic
Melting point / freezing point	: 0°C
Boiling point or initial boiling point and boiling range	: 100°C
Flammability	: not applicable
Lower and upper explosion limit	: not determined
Flash point	: not applicable, non-flammable product
Auto-ignition temperature	: not determined
Decomposition temperature	: not determined
pH	: 13 (20°C)
Kinematic viscosity	: not determined
Solubility	: soluble in water
Partition coefficient n-octanol/water (log value)	: not determined
Vapour pressure	: not determined
Density and/or relative density	: 1,18 g/cm ³
Relative vapour density	: not determined
Particle characteristics	: not applicable

9.2 Other information : No further research data available.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity : Product is reactive, will not undergo dangerous polymerization. Cause corrosion of metals. See also subsection 10.3-10.5

10.2 Chemical stability : The product is stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions : The product reacts exothermically with acids. Hydrogen may be released in reaction with amphoteric metals e.g. aluminium, zinc. Chlorine is released in reaction with products containing active chlorine.

10.4 Conditions to avoid : Avoid direct sunlight and extreme temperatures.

10.5 Incompatible materials : Strong oxidants, acids, acid oxides, amphoteric metals e.g. aluminium, zinc, tin.

10.6 Hazardous decomposition products: Not known.

SECTION 11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects****Toxicity of components**Sodium hydroxide (CAS 1310-73-2)

LDL0 (oral, rabbit): 500 mg/kg

Natriummetasilicat pentahydrate (CAS 10213-79-3)

LD50 (skin, rabbit): > 5000 mg/kg

Toxicity of mixtureAcute toxicity

ATEmix (oral) > 2000 mg/kg

The acute toxicity estimate (ATEmix) for the classification of a substance in a mixture was determined using the appropriate conversion value from Table 3.1.2 in Annex I to CLP as amended.

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

Skin corrosion/ irritation

Causes severe skin burns.

Serious eye damage/ irritation

Causes severe eye damage.

Respiratory or skin sensitisation

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

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

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.

Information on likely routes of exposure

Routes of exposure: skin contact, eye contact, inhalation, ingestion. See subsection 4.2 for more information on the effects from each possible route of exposure.

Symptoms related to the physical, chemical and toxicological characteristics

No data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

No data.

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11.2 Other information

: Endocrine disrupting properties The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 (3) or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % by weight.

SECTION 12. ECOLOGICAL INFORMATION
12.1 Toxicity:
Toxicity of components

Sodium hydroxide (CAS 1310-73-2)

Toxicity to fish LC50 45,5 mg/l/96h (*Onchorhynchus mykiss*)

Toxicity to fish LC50 99 mg/l/48h (*Limnea macrochirus*)

Toxicity to daphnia EU50 6 mg/l/24h (*Daphnia magna*)

Toxicity of mixture

The product is not classified as dangerous for environment.

12.2 Persistence and degradability

: Surfactants contained in the product are biodegradable.

12.3 Bioaccumulative potential

: Bioaccumulation is not expected.

12.4 Mobility in soil

: Product dissolves in water and spreads in the aquatic environment.
Product is mobile in soil.

12.5 Results of PBT & vPvB assessment: Substances contained in the product do not meet the criteria for PBT or vPvB.

12.6 Endocrine disrupting properties

: The product does not contain substances included in the list established in accordance with Article 59(1) for having endocrine disrupting properties, or substances identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 (3) or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0.1 % by weight.

12.7 Other adverse effects

: Product does not contribute to ozone depletion or global warming.
Product can pose a threat to the environment due to the change in pH.

SECTION 13. DISPOSAL CONSIDERATIONS
13.1 Waste treatment methods

: Disposal methods for the product: disposal in accordance with the local legislation. Residues store in original containers. Waste code should be given in the manufacturing place.
Disposal methods for used packing: reuse / recycling / liquidation of empty containers dispose in accordance with the local legislation. Only containers completely emptied can be recycled.

13.2 Other information

: Legal basis: Directive 2008/98/EC as amended, 94/62/EC as amended.

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SECTION 14. TRANSPORT INFORMATION



14.1 UN or ID Number:

UN 1719

14.2 UN proper shipping name:

CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE)

14.3 Transport hazard class(es):

8

14.4 Packing group:

II

14.5 Environmental hazards:

Product is not classified as dangerous for the environment according to transport regulations.

14.6 Special precautions for user:

Use personal protective equipment in accordance with section 8 of SDS.

14.7 Transport in bulk according to Annex II of Marpol and the IBC code:

Not applicable.

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation (EC)

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC as amended.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Text with EEA relevance) as amended.

Commission Regulation (EU) No 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives as amended.

European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste as amended.

Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC (Text with EEA relevance).

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Commission Directive 2006/15/EC of 7 February 2006 establishing a second list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Directives 91/322/EEC and 2000/39/EC.

Commission Directive 2009/161/EU of 17 December 2009 establishing a third list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.

Commission Directive 2017/164/EU of 31 January 2017 establishing a fourth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC, and amending Commission Directives 91/322/EEC, 2000/39/EC and 2009/161/EU.

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Commission Directive 2019/1831/EU of 24 October 2019 establishing a fifth list of indicative occupational exposure limit values pursuant to Council Directive 98/24/EC and amending Commission Directive 2000/39/EC.
Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents as amended.

15.2 Chemical safety assessment : It is not necessary to carry out a chemical safety assessment for the mixture.

SECTION 16. OTHER INFORMATION

16.1 Revision comments

A vertical line in the left margin indicates that there is a relevant amendment from the previous version.

16.2 Abbreviations and acronyms used in the safety data sheet

Hazard statements (Section 3) : H290 May be corrosive to metals.
 H302 Harmful if swallowed.
 H314 Causes severe skin burns and eye damage.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H335 May cause respiratory irritation.

Abbreviations and acronyms:

TWA	Time-weighted average
STEL	Short-term exposure limit
PBT	Persistent, Bioaccumulative and Toxic Substances
vPvB	very Persistent and very Bioaccumulative Substances
Acute Tox. 4	Acute toxicity, category 4
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Flam. Liq. 2	Flammable Liquid cat. 2
Acute Tox. 3,4	Acute Toxicity cat. 3
STOT SE 1, 3	Specific target organ toxicity - single exposure cat. 1, 3
Eye Irrit. 2	Eye irritation, category 2
Met. Corr. 1	Substance or mixture corrosive to metals category 1
Skin Corr. 1A, 1B	Skin corrosion, category 1A, 1B
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3

16.3 References and sources for data :

Key literature references and data sources

This SDS was prepared on the basis of SDS delivered by the producer, literature data, online databases, taking into account current legislation.

Additional information

Classification was based on physico-chemical tests, data on hazardous components content and on calculation method under the guidance of Regulation 1272/2008/EC (CLP) as amended.

16.4 Training advice

Before commencing working with the product, the user should learn the Health & Safety regulations, regarding handling chemicals, and in particular, undergo a proper workplace training. Persons related to the transportation of the dangerous goods in compliance with the ADR Agreement should be properly trained within the scope of performed tasks (general training, on-the-job training and training related to the safety issues).

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16.5 Other information and disclaimer

Traceability of the product by means of the production date which is indicated on the product.

All information given in this Safety Data Sheet is exclusively related to the product described and is provided assuming that the product will be used in a way and for the purposes as stated by the manufacturer. The information is based on our present state of knowledge and will be reviewed regularly. This Safety Data Sheet has only been set up with the intention to describe the safety aspects of the product and therefore should not be construed as guaranteeing specific properties of the product of concern or its suitability for a particular application. It is the user's own responsibility to take the precautionary measures described and also to take care that this information is complete and adequate for the use of this product. It is recommended to pass through the information in this Safety Data Sheet, whenever necessary in an adapted form, to all staff and interested parties of concern.

- *Changes, printing and typesetting errors reserved.*