

Completed 29-11-2019  
SDS version 1.0

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

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**1.1. Product Identifier**

Trade Name: CHROMATECH ultra S  
Product- no.: -

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

Hot edge hybrid profile made of plastic and stainless steel.

**Uses advised against:**

This product must not be used for purposes other than those recommended without first seeking the advice of the supplier.

**1.3. Details of the supplier of the safety data sheet****Company and address:**

ROLLTECH A/S  
Johs. E. Rasmussens Vej 12  
DK-9800 Hjørring  
Denmark  
+45 96 23 33 43

**Contact person and E-mail:**

Mikael Dietz Larsen, mdl@rolltech.dk

**The Safety data sheet is completed and validated by:**

mediator A/S, Centervej 2, DK-6000 Kolding. Consultant: KN

**1.4. Emergency telephone number**

NHS: 111

Use your national or local emergency number - See section 4 "First aid measures".

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**SECTION 2: Hazards identification**

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**2.1. Classification of the substance or mixture**

The product is not subject to labelling under CLP Regulation No. 1272/2008.

**2.2. Label elements**

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**Signal word:**

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**2.3. Other hazards**

-

**Additional labelling:**

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**Additional warnings**

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**SECTION 3: Composition/information on ingredients**

**3.1.3.2. Substances/Mixtures**

Substance	EU-Index no. / REACH-Reg. no.	CAS-no.	EINECS-no.	CLP-classification	Wt/Wt %	Note
<b>Stainless steel</b>	- / -	-	-	-	100	1
Iron	- / -	7439-89-6	231-096-47	-	10-100	1
Chrom	- / -	7440-47-3	231-157-5	-	1-10	1
Nickel	028-002-01-4 / -	7440-02-0	231-11-4	Skin Sens. 1; H317, Carc. 2; H351, STOT RE 1; H372, Aquatic Chronic 3; H412	0,1-1	1
Mangane	- / -	7439-96-5	231-105-1	-	1-5	1
<b>Hard plastic</b>	- / -	-	-	-	100	1
Polypropylen – homopolymer	- / -	-	-	-	>20	1

1) The product consist of a hot edge hybrid profile made of plastic and stainless steel. Fully cured.

See full text of H-phrases in section 16.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**Inhalation:**

Not relevant.

**Ingestion:**

Seek medical advice immediately.

**Skin contact:**

Wash skin with soap and water.

Seek medical advice in case of persistent discomfort.

**Eye contact:**

Flush with water (preferably using eye wash equipment) until irritation subsides. Seek medical advice if symptoms persist.

**Additional information:**

When obtaining medical advice, show the safety data sheet or label.

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

May cause slight irritation to the skin and eyes.

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

Show this safety data sheet to the doctor in attendance.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

Surrounding fire:

Extinguish with powder, foam, carbon dioxide or water mist.

Do not use water stream, as it may spread the fire.

**5.2. Special hazards arising from the substance or mixture**

The product is not directly flammable. Avoid inhalation of vapour and fumes – seek fresh air.

Hazardous fumes are formed in fire conditions.

Fire will produce dense black smoke.

Exposure to decomposition products may cause a health hazard.

**5.3. Advice for firefighters**

If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

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**SECTION 6: Accidental release measures**

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**6.1. Personal precautions, protective equipment and emergency procedures**

See section 8 for type of protective equipment.

**6.2. Environmental precautions**

Avoid unnecessary release to the environment.

**6.3. Methods and material for containment and cleaning up**

Sweep up/collect spills for possible reuse or transfer to suitable waste containers.

**6.4. Reference to other sections**

See section 8 for type of protective equipment.

See section 13 for instructions on disposal.

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**SECTION 7: Handling and storage**

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**7.1. Precautions for safe handling**

See section 8 for information about precautions for use and personal protective equipment.

**7.2. Conditions for safe storage, including any incompatibilities**

There are no special requirements for storage. However, it should be stored safe and out of the reach of children.

**7.3. Specific end use(s)**

See application section 1.

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**SECTION 8: Exposure controls/personal protection**

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**8.1. Control parameters**

Occupational exposure limits according to EH40/2005 Workplace exposure limits (Third edition, 2018):

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**DNEL/PNEC-values:**

**DNEL Nickel**

	<b>Workers</b>	<b>Consumers</b>
Inhalation - Chronic Systemic	0,05 mg/m <sup>3</sup>	60 ng/m <sup>3</sup>
Inhalation - Chronic Local	0,05 mg/m <sup>3</sup>	60 ng/m <sup>3</sup>
Inhalation - Acute Local	11,9 mg/m <sup>3</sup>	0,8 mg/m <sup>3</sup>
Dermal - Acute Systemic	-	0,035 mg/cm <sup>2</sup>
Dermal - Chronic Local	0.035 mg/cm <sup>2</sup>	-
Oral - Chronic Systemic	-	0,011 mg/kg bw/day
Oral - Acute Systemic	-	0,011 mg/kg bw/day

**PNEC Nickel**

Fresh water	0,37 mg/kg bw/day
Marine water	8,6 µg/L
Soil	29,9 mg/kg soil dw

**8.2. Exposure controls**

There are no exposure scenarios for this product.

**Appropriate engineering controls:**

Wear the personal protective equipment specified below.

**Personal protective equipment:****Respiratory protection:**

Generally not required.

In case of insufficient ventilation during handling (welding, cutting, grinding, heating) wear respiratory protective equipment with filter P2.

**Hand protection:**

Plastic or rubber gloves recommended.

**Eye/face protection:**

Generally not required.

Recommended:

Wear safety goggles if there is a risk of dust contact with eyes.

**Skin protection:**

No special requirements.

Generally not required.

**Environmental exposure controls:**

Ensure compliance with local regulations for emissions.

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**SECTION 9: Physical and chemical properties**

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**9.1. Information on basic physical and chemical properties**

Appearance:

Physical state:

Solid substance

Colour:

-

Odour:

Odourless

Odour threshold:

-

pH:

-

Melting point/ Freezing Point (°C):

1500

Initial boiling point and boiling range (°C):

-

Flash point (°C):

>200

Evaporation rate:

-

Flammability (solid, gas):

-

Upper / lower flammability or explosion limits (vol-%):

-

Vapour pressure:

-

Vapour density (air=1):

-

Relative density:

7,7-7,8 g/cm<sup>3</sup>, 20 °C

Solubility(ies):

Not soluble in water

Partition coefficient: n-octanol/water:

-

Auto-ignition temperature (°C):

-

Decomposition temperature (°C):

-

Viscosity:

-

Explosive properties:

-

Oxidising properties:

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**9.2. Other information**

None.

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**SECTION 10: Stability and reactivity**

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**10.1. Reactivity**

No data.

**10.2. Chemical stability**

The product is stable when used in accordance with the supplier's directions.

**10.3. Possibility of hazardous reactions**

None known.

**10.4. Conditions to avoid**

None known.

**10.5. Incompatible materials**

None known.

#### 10.6. Hazardous decomposition products

No special precautions regarding contact with other materials at the recommended storage conditions.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### **Acute toxicity:**

Based on the existing data, the classification is not met.

Substance	exposure	Species	Test	Result
Nickel	Oral	Rat	LD50	>9000 mg/kg bw

##### **Skin corrosion/irritation:**

May cause slight irritation.

##### **Serious eye damage/irritation:**

May cause mechanical irritation.

##### **Respiratory or skin sensitisation:**

Based on the existing data, the classification is not met.

##### **Germ cell mutagenicity:**

Based on the existing data, the classification is not met.

##### **Carcinogenicity:**

Based on the existing data, the classification is not met.

##### **Reproductive toxicity:**

Based on the existing data, the classification is not met.

##### **STOT-single exposure:**

Based on the existing data, the classification is not met.

##### **STOT-repeated exposure:**

Based on the existing data, the classification is not met.

##### **Aspiration hazard:**

Based on the existing data, the classification is not met.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Substance	Test duration	Species	Test	Result
Nickel	48 Hours:	Fish	LC50	15,3 mg/L
Nickel	48 Hours:	Daphnia	LC50	74,4 µg/L
Nickel	48 Hours:	Algae	EC50	81,5 - < 148 µg/L

#### 12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
No data.	-	-	-

#### 12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow
No data.	-	-

#### 12.4. Mobility in soil

Test data are not available.

#### 12.5. Results of PBT and vPvB assessment

The mixture does not meet the criteria for PBT or vPvB.

#### 12.6. Other adverse effects

None.

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**SECTION 13: Disposal considerations**

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**13.1. Waste treatment methods**

The product is not classified as hazardous waste according to Waste Management. Disposal of spillage and waste via the municipal waste collection service with the specifications below is recommended.

EWC-Code	Description
11 01 99	Wastes not otherwise specified

**Specific labelling:**

-

**Contaminated packaging:**

Uncleansed packaging is to be disposed of via the local waste-removal scheme.

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**SECTION 14: Transport information**

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The product is not covered by the rules for transport of dangerous goods by road and sea according to ADR and IMDG.

**14.1 -14.4.**

**ADR**

-

**IMDG**

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**14.5. Environmental hazards**

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**14.6. Special precautions for user**

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**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not relevant.

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**SECTION 15: Regulatory information**

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**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Sources:**

EH40/2005 Workplace exposure limits (Third edition, 2018).

**Additional labelling:**

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**Restrictions for application:**

-

**Demands for specific education:**

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**15.2. Chemical safety assessment**

None.

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**SECTION 16: Other information**

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According to EU regulation 1907/2006 (REACH)

**Other information:**

**Sources:**

EC regulation 1907/2006 (REACH).

EC Regulation 1272/2008 (CLP).

EU regulation no. 276/2010

Directive 2000/532/EC

ECHA-The European Chemicals Agency

**Full text of H-phrases as mentioned in section 2+3:**

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**Classification according to Regulation (EC) Nr. 1272/2008:**

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**Abbreviations and acronyms used in the safety data sheet:**

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006.

CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

CAS-Number.: Chemical Abstracts Service number.

EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).

DNEL: Derived No Effect Level.

PNEC(s): Predicted No Effect Concentration(s).

STOT: Specific Target Organ Toxicity.

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

LC50: Lethal Concentration to 50 % of a test population.

EC50: The effective concentration of substance that causes 50% of the maximum response.

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: Very Persistent and Very Bioaccumulative.

NOEC: The highest tested concentration at which, in a study, no statistically significant effect is observed in the exposed population compared with an appropriate control group.

NOAEL: The highest tested dose or exposure level at which there are no statistically significant increases in the frequency or severity of adverse effects between the exposed population and an appropriate control group; some effects may be produced at this level, but they are not considered adverse or precursors of adverse effects.

**Other:**

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

**Minor changes have been made in following sections:**

1-16

**This material safety data sheet replaces version:**

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