



*ROLLTECH A/S - an Alu-Pro Group Company*

## **SAFETY DATA SHEET**

According to REACH Regulation (EC) No 1907/2006 of the European Parliament

### **1. Identification of the substance/preparation and of the company/undertaking:**

<b>Product Name:</b>	<b>CHROMATECH ULTRA</b>
Intended use:	Spacer bar produced from stainless steel
Date:	21 April 2009
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## 2. Hazards Identification:

The product is not classified as hazardous.

During handling (welding, cutting, grinding) the product can release dust, particles, and smoke. This may cause irritation to eyes and respiratory tract. The product contains nickel that, when exposed to heat, can form nickel oxide, which is carcinogenic. The product contains chrome that, when exposed to heat, can form chrome oxide, which is carcinogenic and can damage the mucous membrane. Avoid repeated skin contact, as this can cause chrome-related or nickel-related eczema.

## 3. Composition/Information on Ingredients:

Contains inter alia	ELINCS/EINECS	CAS-No.	Content-%	Classification
Iron (III) oxide	215-168-2	1309-37-1	10-20	-
Nickel	231-111-4	7440-02-0	1-5	Carc;R40 R43
Chrome	231-157-5	7440-47-3	1-10	-
4-4'-methylenediphenyl diisocyanate	202-966-0	101-68-8	<0,1	Xn;R20 R36/37/38 R42/43
Manganese	231-105-1	7439-06-5	0,1-1	-

For full text of the risk phrases see section 16.

## 4. First Aid Measures:

### Inhalation:

Seek fresh air. Seek medical attention if any discomfort continues.

### Skin contact:

Wash skin with water and soap. Use suitable lotion to moisturise skin. Seek medical attention if irritation persists.

### Eye contact:

Flush immediately with water for at least 15 minutes. Seek medical attention if pain persists or recurs.

### Ingestion:

Do not induce vomiting. Drink water or milk and seek medical attention.

## 5. Fire-fighting Measures:

The product is not flammable.

Remove container from fire areas, if possible.

## 6. Accidental Release Measures:

Prevent access to drains, sewers, waterways and soil.

Spillage: Sweep or vacuum, return to container if reusable.

Disposal: See section 13.

## 7. Handling and Storage:

During handling (welding, cutting, grinding) the product can release dust, particles, and smoke. Do not breathe in dust, smoke, and particles.

Work with an exhaust system. If this is not possible, use approved respiratory protection. See section 8.

Avoid skin and eye contact. Wear gloves, if skin contact is unavoidable. Wear safety glasses, if eye contact is unavoidable. See section 8.

Store in closed original containers.

## 8. Exposure Controls/Personal Protection:

Occupational exposure standard, threshold limit values (2007):

Iron (III) oxide fume (as Fe)	5 mg/m <sup>3</sup>
Chromium (VI) compounds (as Cr)	0.05 mg/m <sup>3</sup> (EU)
Nickel compounds (as Ni)	0.50 mg/m <sup>3</sup>
Mineral dust	10 mg/m <sup>3</sup>
Manganese and its inorganic compounds (as Mn)	0.50 mg/m <sup>3</sup>
Diphenylmethan-4,4'-diisocyanate	0.05 mg/m <sup>3</sup> (DK)

The following personal protection is recommended:

Respiratory protection: Rubber half-mask/P3-filtres

Gloves: Rubber gloves

Eye protection: Safety glasses

## 9. Physical and Chemical Properties:

Appearance:	Solid	Solubility - water:	-
Odour:	-	n-octanol/water:	-
pH:	-	Flash point:	-
Boiling point:	-	Autoignition:	-
Melting point:	-	Explosive properties:	-
Vapour pressure :	-	Viscosity (40°C):	-
Density (20°C):	-	Other data:	-

-: Means no data or not relevant

## 10. Stability and Reactivity:

Stable. Avoid high humidity.

## 11. Toxicological Information:

### Inhalation:

During handling (welding, cutting, grinding) the product can release dust, particles, and smoke. This may cause irritation to the respiratory tract, coughing, and sneezing. The product contains nickel that, when exposed to heat, can form nickel oxide, which is carcinogenic. The product contains chrome that, when exposed to heat, can form chrome oxide, which is carcinogenic and can damage the mucous membrane.

### Skin contact:

Avoid repeated skin contact, as this can cause chrome-related or nickel-related eczema.

### Eye contact:

During handling (welding, cutting, grinding) the product can release dust, particles, and smoke. This may cause eye irritation.

### Ingestion:

Can cause discomfort, nausea, and vomiting. See also "Inhalation".

## 12. Ecological Information:

Danger in marine environment: Chromium trioxide is very toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment. There are not sufficient data available to make an environmental classification of the other substances contained.

Do not allow contamination of drains, sewers or watercourses.

## 13. Disposal Considerations:

EWC code (European Waste Catalogue): 11 01 99

Dispose of in accordance with local authority requirements.

## 14. Transport Information:

The product is not considered dangerous goods.

## 15. Regulatory Information:

The product is not classified as hazardous according to EEC regulations 67/548/EEC and 99/45/EEC.

## 16. Other Information:

Text of risk phrases mentioned in section 3:

R9: Explosive when mixed with combustible material

R20: Harmful by inhalation

R24/25: Toxic in contact with skin and if swallowed

R26: Very toxic by inhalation

R35: Causes severe burns

R36/37/38: Irritating to eyes, respiratory system and skin

R40: Limited evidence of a carcinogenic effect

R42/43: May cause sensitization by inhalation and skin contact

R45 May cause cancer

R46: May cause heritable genetic damage

R48/23: Toxic: danger of serious damage to health by prolonged exposure through inhalation

R50/53: Very toxic to aquatic organisms, may cause long-term effects in the aquatic environment

R62: Possible risk of impaired fertility

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