

Product No: **9065-001, 9065-002, 9065-003, and 9065-004**

Name: **Orthoform Crimpable Ball Hooks**

Version: 001

01. Identification of the substance and of the Company/undertaking

- Identification of the substance/preparation;
Orthodontic products manufactured from nickel-free stainless steel alloy with chromium, manganese, molybdenum and nitrogen.
- Identification of the company/undertaking;
Orthoform Wire Ltd
94 Park Lane, Hornchurch, Essex, RM11 1BE, United Kingdom
- Technical responsibility: Jason Russell
Emergency telephone number: +44 (0)1708 726 535

02. Composition/Information on ingredients

(percentage values in weight)

Chromium: ≤18.0%

Manganese: ≤12%

Molybdenum: ≤3.5%

Nickel: ≤0,2%

Nitrogen: ≤1,0%

Iron: Balance

03. Hazards Identification

This material is intended to attend the directive 94/27/EEC and 2004/96EEC.

The DIN EN 1811 is the standard for tests of release of nickel.

Risk materials

Element	CAS No.	OSHA (PEL)	TLV (ACGH)	IARC
Cr	7440-47-3	1	0.5	No
Mn	7439-96-5	5	0.1	No
Mo	7439-98-7	15	10	No

Note:

CAS = Chemical Abstracts Service (USA).

PEL = Permissible Exposure Limit in mg/m³.

TLV = Threshold Limit Value (ACGIH = American Conference of Governmental Industries Hygienists).

IARC = International Agency for Research on Cancer

Prolonged exposure to manganese can cause a condition called manganism.

04. First Aid Measures

- First Aid Measures / Skin contact
In case the user or patient has sensitivity to Chromium, cease use of product, wash skin with plenty of water and consult a doctor.
- First Aid Measures / Eye contact
In case of contact with eyes, wash with plenty of water and consult an eye doctor

05. Fire-fighting Measures

- Fire fighting measures should be taken when the material is subject to operations that make powder, sparks or excessive heat.

06. Accidental release measures;

- Observe laws and directives in use in each country.

07. Handling and storage;

- Handling: Handling only to qualified and specialized person.
- Storage: Keep in the original package. The material is supplied in non-sterile state

08. Exposure controls/personal protection;

- There is no need for Individual Protection Equipment, except when the material is subject to operations that can produce sparks or flashes, such as brazing, welding etc. In this case the use of safety goggles and gloves are recommended and fire-fighting measures should be observed.
- Use good work practice.
- Observe the laws and directives in each country.

09. Physical and chemical properties;

- Solid and metallic material, insoluble in water.
- Metallic colour typically shines.
- Density = 7,9 g/cm³.

10. Stability and reactivity;

- Stable in supply form.
- Hazardous Reactions: Reacts with inorganic acids, toxic vapours may be released.

11. Toxicological information;

- Unsuitable for use in patients with allergic sensitivity to chromium.

12. Ecological information;

Follow these steps in case of problems with the material:

- Thin material (particulate) shall be evacuated; avoid the use of air compressors to blow dust. Avoid contamination on skin, eyes and throat.
- Observe the laws and directives in each country.

13. Disposal considerations;

- The material in solid form doesn't require any specific disposal.
- Observe the laws and directives in each country.

14. Transport information;

- No dangerous goods
- Keep the original package.
- Don't use the product if the package has been opened or damaged.

15. Regulatory information;

- Observe good work practices.
- Material intended for use only by qualified and specialised person.

16. Other information.

The information contained within this document is based on the knowledge obtained at the present date and is intended to describe the product regarding its appropriate safety measures. This description does not guarantee the product's properties or characteristics.

- Orthoform Wire Ltd reserves the right to make amendments to technical specifications, without prior notice.