



Safety Data Sheet

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Product Description

Hooks

REF NUMBER

Restrictions to use:

For use only by dental professionals.

Manufacturer : International Orthodontic Services
Address : 12811 Capricorn St. Stafford, TX 77477 USA
Phone No, : 1888-10S-8882 (1888-461-8882)
Emergency Phone No, : +1 832 342 9487

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COMPOSITION/INFORMATION OF THE INGREDIENTS

(Percentage values in weight)

Chromium: until 18.0%

Molybdenum: until 3.5%

Nickel: until 0,2%

Manganese: until 12%

Nitrogen: until 1,0%

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 liberation of nickel.

HOOKS

Risk materials

Element	CAS N°	OSHA (PEL)	TLV (ACGIH)	IARC (listado)
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)

IRAC = International Agency for Research on Cancer Prolonged exposure to manganese can cause a condition called manganism.

FIRST AID MEASURES

In case the user or the patient feel sensitive about chromium, see a physician immediately.

In case of powder inhalation be careful; if it happens, take a breath only in fresh air and see a physician.

If it has eye contact, wash with plenty water and see a physician.

FIRE-FIGHTING MEASURES

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

ACCIDENTAL RELEASE MEASURES

Observe laws and directives in use in each country.

HANDLING AND STORAGE

HANDLING

Handling only to qualified and specialized person.

STORAGE

Keep on the original package.

The material is supply in non-sterile form.

EXPOSURE CONTROLS/PERSONAL PROTECTION

Don't request Individual Protection Equipment, except when the material is subject to operations that can produce sparks ad flashes, as brazing, welding etc.

HOOKS

In this case the use of security glass glasses and gloves are recommended and fire-fighting measures.
Use good work practice.
Observe the laws and directives in each country.

PHYSICAL AND CHEMICAL PROPERTIES

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

STABILITY AND REACTIVITY

Stable in supply form.
React with some moisture of inorganic acid origin a prejudicial health smokes.

TOXICOLOGICAL INFORMATION

Unsuitable to use in patients allergic to chromium.

ECOLOGICAL INFORMATION

Follow this steps in case of problems with the material:

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

DISPOSAL CONSIDERATIONS

The discharge in solid form doesn't request any known damage.
Observe the laws and directives in each country.

TRANSPORT INFORMATION

Keep the original package.
Don't use the product if the package has been unpackaged.

REGULATORY INFORMATION

Attempt to good work practices.
Material intended for use by qualified professionals.

OTHER INFORMATION

The document's information is based on the knowledge obtained until the present date and it is intended to a description of the product regarding its safety measures.

This description does not ensure the product's properties or characteristics.

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