

trade name : **DIADUR** date 10.10.02
 product number : revised on:
 manufacturer/shipper: Dental Forschung Schleicher GmbH

1 chemical product and company information

1.1 trade name
DIADUR

1.2 details of manufacturer/shipper
Dental Forschung Schleicher GmbH
Ländenstraße 1
93339 Riedenburg

Tel. 09442/9189-41 Fax 09442/9189-37

2 composition/information on ingredients

chemical characteristics

agent preparation

CAS – number	name	% - content	R- phrase
7440-02-0	carbon	0 – 0,05	40 / 43
7440-02-0	silicium	0,7 – 1,3	40 / 43
7440-02-0	chrome	24 – 31	40 /43
7440-02-0	molybdäne	4,5 – 6,0	40 / 43
7440-02-0	cobalt	60 – 64,5	40 / 43

3 hazards identification

hazard symbol: none

4 first aid measures

For the treatment of wounds, burnings, eye irritation and electro-accidental injuries use the usual first aid measures.

5 fire fighting measures

none special measures necessary as alloys couldn't explode and are not combustibile on atmosphere.

6 accidental spill release measures

personal precautions:

no special measures necessary

environmental protection measures:

no special measures necessary

methods for cleaning up:

pick up alloys under avoiding of dust

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7 handling and storage
avoid dust or use vacuum facility

8 exposure controls and personal protection
8.1 exposure control parameters

CAS – number	name	value	unit
1376519-0	chrome-cobalt-combination	0,2	mg/m ³
	fine dust	6	mg/m ³

<p>8.2 personal protection equipment</p> <p><u>general protection and hygienic measures:</u> keep away from food and drink. Wash the skin thoroughly after work and before breaks.</p> <p><u>respiratory protection:</u> use dust-mask</p> <p><u>hand protection:</u> protective gloves</p> <p><u>eye protection:</u> protection goggles</p> <p><u>body protection:</u> none</p>

9 physical and chemical characteristics
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material state: sticks	colour: chrome	odour: odourless
	value	unit
flash point	1.100 – 1.600	°C
ignition temperature	--	°C
density (at 20 °C)	ca. 8	g/cm ³
lower explosion limit	--	Vol %

10 stability and reactivity
<p>hazardous decomposition products: when used and stored properly, no decomposition will occur</p>

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further information:

avoid contact with acids and bases

11 toxicological information

non toxicological information available

12 ecological information

general instructions

none

13 disposal considerations

recommendation:

dispose old alloys with scrap metal.

waste key code: 35315

14 transport regulations

not a ADR//RID hazardous substance

15 regulatory instruction

non EEC marking and labelling necessary

16 other details

16.1 further information: The details are based on our current state of knowledge, however, they do not constitute any assurance of product characteristics and cannot be the basis of any legal contractual relations.