

Productname : METAL FREE PASTE      Creationdate : 03.10.16 Version : 3.0  
Ref.Nr.: BDS001031\_3\_20161003 (EN)      Replaces: BDS001031\_20131105

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

**METAL FREE PASTE**  
Bulk

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

Anti-seize lubricant

**1.3. Details of the supplier of the safety data sheet**

**CRC Industries Europe bvba**  
Touwslagerstraat 1  
9240 Zele  
Belgium  
Tel.: +32(0)52/45.60.11  
Fax.: +32(0)52/45.00.34  
E-mail : hse@crcind.com

Subsidiaries		Tel	Fax
CRC Industries Finland Oy	Laurinkatu 57 A 23 B, 08100 Lohja	+358/(19)32.921	
CRC Industries France	6, avenue du marais, C.S. 90028, 95102 Argenteuil Cedex	01.34.11.20.00	01.34.11.09.96
CRC Industries Deutschland GmbH	Südtring 9, D-76473 Iffezheim	(07229) 303 0	(07229)30 32 66
CRC INDUSTRIES IBERIA S.L.U.	GREMIO DEL CUERO-PARC.96, POLIGONO INDUSTRI. DE HONTORIA, 40195 SEGOVIA	0034/921.427.546	0034/921.436.270
CRC Industries Sweden	Laxfiskevägen 16, 433 38 Partille	0046/31 706 84 80	0046/31 27 39 91

**1.4. Emergency telephone number**

**CRC Industries Europe, Belgium:** Tel.: +32(0)52/45.60.11 (office hours: 9-17h pm CET)

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

**Physical:** Not classified  
**Health:** Skin irritation, category 2  
Causes skin irritation.  
Serious eye damage, category 1



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Causes serious eye damage.  
 Specific target organ toxicity - single exposure, category 3  
 May cause respiratory irritation.

Environment: Not classified  
 Other hazards : None  
 Other hazards : Not classified

## 2.2. Label elements

### Labelling according to Regulation (EC) No 1272/2008

Product identifier: Contains:  
 Calcium dihydroxide

Hazard pictogram(s):  

Signal word: Danger

Hazard statement(s):  
 H315 : Causes skin irritation.  
 H318 : Causes serious eye damage.  
 H335 : May cause respiratory irritation.

Precautionary statement(s):  
 P102 : Keep out of reach of children.  
 P271 : Use only outdoors or in a well-ventilated area.  
 P280 : Wear protective gloves/protective clothing/eye protection/face protection.  
 P310 : Immediately call a POISON CENTER or doctor/physician.  
 P305/351/338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P403/233 : Store in a well-ventilated place. Keep container tightly closed.  
 P501-2 : Dispose of contents/container to an authorised waste collection point.

Supplemental Hazard information: None

## 2.3. Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable.

### 3.2. Mixtures

Hazardous ingredient	Registration number	CAS-nr.	EC-nr	w/w %	Hazard Class and Category	Hazard statement	Notes
mineral oil with additives		-	-	30-60	-	-	B
Calcium dihydroxide	01-2119475151-45	1305-62-	215-137-	10-25	Skin Irrit. 2. Eye Dam. 1. STOT SF	H315 H318 H335	A



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**Explanation notes**

A : substance with Community workplace exposure limit

B : substance with national established workplace exposure limit

(\* Explanation phrases : see chapter 16)

**SECTION 4: First aid measures****4.1. Description of first aid measures**

<b>Contact with eyes :</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
<b>Contact with skin :</b>	Take off contaminated clothing and wash before reuse. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
<b>Inhalation :</b>	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
<b>Ingestion :</b>	If swallowed do not induce vomiting Seek medical advice

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

<b>Inhalation :</b>	May cause irritation. Symptoms : sore throat, cough
<b>Ingestion :</b>	May cause gastrointestinal disturbances Symptoms : sore throat, abdominal pain, nausea, vomiting
<b>Skin contact :</b>	Irritating to skin. Symptoms : redness and pain
<b>Eye contact :</b>	Risk of serious damage to eyes. Symptoms : redness and pain, impaired vision

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

<b>General Advice :</b>	If you feel unwell, seek medical advice (show the label where possible) If symptoms persist always call a doctor
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**SECTION 5: Firefighting measures****5.1. Extinguishing media**

foam, carbon dioxide or dry agent

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

May give off noxious and toxic fumes in a fire

**5.3. Advice for firefighters**

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Keep container(s) exposed to fire cool, by spraying with water  
In case of fire, do not breathe fumes  
Wear breathing apparatus

## SECTION 6: Accidental release measures

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

Avoid contact with skin and eyes.  
Ensure adequate ventilation  
Wear suitable protective clothing including eye/face protection.

### 6.2. Environmental precautions

Do not allow to enter public sewers and watercourses  
If polluted water reaches drainage systems or water courses, immediately inform appropriate authorities

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

Absorb spillage in suitable inert material

### 6.4. Reference to other sections

For further information see section 8

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Do not breathe aerosols or vapours.  
Ensure adequate ventilation  
Avoid contact with skin and eyes.  
Wash thoroughly after use  
Wear protective gloves/protective clothing/eye protection/face protection.  
Eyewash bottles should be available

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

Keep container tightly closed, in a cool, well ventilated place.  
Keep out of reach of children.

### 7.3. Specific end use(s)

Anti-seize lubricant

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters



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**Exposure limits :**

Hazardous ingredient	CAS-nr.	method
<b>EU established exposure limits:</b>		
Calcium dihydroxide	1305-62-0	TWA 5 mg/m3
<b>National established exposure limits, United Kingdom</b>		
Calcium dihydroxide	1305-62-0	TWA 5 mg/m3

**8.2. Exposure controls**

<b>Control procedures :</b>	Ensure adequate ventilation
<b>Personal protection :</b>	Take precautions to avoid contact with skin and eyes when handling the product.
	Ensure adequate ventilation
<b>inhalation :</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
recommended respiratory protection:	Air purifying respirator equipped with organic gas/vapor cartridge (type A or AX) in combination with an oil proof solid and liquid particulate filter
<b>hands and skin :</b>	Wear suitable protective gloves
Recommended gloves:	Nitrile
<b>eyes :</b>	Wear safety eyewear according to EN 166.
<b>Environmental protection:</b>	Avoid release to the environment. Collect spillage.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

<b>Appearance : physical state :</b>	Paste.
<b>colour :</b>	White.
<b>odour :</b>	Perceptible odour.
<b>pH :</b>	Not available.
<b>Boiling point/range :</b>	Not available.
<b>Flash point :</b>	>200 °C
<b>Evaporation rate :</b>	Not available.
<b>Explosion limits : upper limit :</b>	Not available.
<b>lower limit :</b>	Not available.
<b>Vapour pressure :</b>	Not available.
<b>Relative density :</b>	1.419 g/cm3 (@ 20°C).
<b>Solubility in water :</b>	Insoluble in water
<b>Auto-ignition :</b>	> 200 °C
<b>Viscosity :</b>	Not available.

**9.2. Other information**

<b>VOC = volatile organic compounds</b>	0 g/l
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reactions known if used for its intended purpose

### 10.2. Chemical stability

Stable

### 10.3. Possibility of hazardous reactions

In case of fire, do not breathe fumes  
May give off noxious and toxic fumes in a fire

### 10.4. Conditions to avoid

heat

### 10.5. Incompatible materials

Strong oxidising agent

### 10.6. Hazardous decomposition products

CO,CO2

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>acute toxicity:</b>	based on available data the classification criteria are not met
<b>skin corrosion/irritation:</b>	Causes skin irritation.
<b>serious eye damage/irritation:</b>	Causes serious eye damage.
<b>respiratory or skin sensitisation:</b>	based on available data the classification criteria are not met
<b>germ cell mutagenicity:</b>	based on available data the classification criteria are not met
<b>carcinogenicity:</b>	based on available data the classification criteria are not met
<b>toxicity for reproduction:</b>	based on available data the classification criteria are not met
<b>STOT-single exposure:</b>	May cause respiratory irritation.
<b>STOT repeated exposure:</b>	based on available data the classification criteria are not met
<b>aspiration hazard:</b>	based on available data the classification criteria are not met

#### Information on likely routes of exposure:

<b>Inhalation :</b>	May cause irritation.
<b>Ingestion :</b>	May cause gastrointestinal disturbances
<b>Skin contact :</b>	Irritating to skin.



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**Eye contact :** Risk of serious damage to eyes.

**Toxicological data :**

No information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Not classified

**Ecotoxicological data:**

No information available

### 12.2. Persistence and degradability

No experimental data available

### 12.3. Bioaccumulative potential

No experimental data available

### 12.4. Mobility in soil

Insoluble in water

### 12.5. Results of PBT and vPvB assessment

No information available

### 12.6. Endocrine disrupting properties

No experimental data available  
(calculated in accordance with Annex IV of Regulation (EU) No 517/2014 on fluorinated greenhouse gases)

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

<b>Product :</b>	This material and its container must be disposed of in a safe way. Do not discharge into drains or the environment, dispose to an authorised waste collection point.
<b>Contaminated packaging :</b>	Disposal should be in accordance with local, state or national legislation



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## SECTION 14: Transport information

### 14.1. UN number

UN-number : Not classified as hazardous for transport

### 14.2. UN proper shipping name

Proper shipping name: Not applicable.

### 14.3. Transport hazard class(es)

Class: Not applicable.  
ADR/RID - Classification code: Not applicable.

### 14.4. Packing group

Packing group: Not applicable.

### 14.5. Environmental hazards

ADR/RID - Environmentally  
hazardous: No  
IMDG - Marine pollutant: No  
IATA/ICAO - Environmentally  
hazardous: No

### 14.6. Special precautions for user

ADR/RID - Tunnelcode: Not applicable.  
IMDG - Ems: Not applicable.  
IATA/ICAO - PAX: Not applicable.  
IATA/ICAO - CAO: Not applicable.

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

## SECTION 15: Regulatory information

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

The Safety Data Sheet is compiled according to the current European requirements.  
Regulation (EC) No 1907/2006 (REACH)  
EU-directive 99/45/EC  
Regulation (EC) No 1272/2008 (CLP)

### 15.2. Chemical safety assessment





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No information available

## SECTION 16: Other information

\*Explanation hazard statements: - : -

H315 : Causes skin irritation.

H318 : Causes serious eye damage.

H335 : May cause respiratory irritation.

REVISIONS IN CHAPTRE : Classification according to Regulation (EC) No 1272/2008  
Labelling according to Regulation (EC) No 1272/2008

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation.

The information contained herewith is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It does not guarantee any specific properties.

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