

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 02.05.2013

Version number 1

Revision: 02.01.2013

### 1 Identification of the substance/mixture and of the company/undertaking

- **1.1 Product identifier**
- **Trade name:** 3010 • Neutrax
- **MSDS-ID (International):** 200045-5 (not connected)
- **MSDS Download URL:** [www.msds-id.com/](http://www.msds-id.com/)
- **CAS Number:**  
1305-62-0
- **EC number:**  
215-137-3
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
*Only use for indicated purposes.*
- **Application of the substance / the preparation:** *Laboratory reagent.*
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer:**  
*SDF Michael Fischer*  
*Daimlerstr. 6 • 35447 Reiskirchen • Germany*
- **Further information obtainable from:**  
*Fon: +49 (0)6408-61616 • Fax: +49 (0)6408-5012391 • [sdb@sdf-fischer.de](mailto:sdb@sdf-fischer.de) •*  
*Internet: [www.sdf-fischer.de](http://www.sdf-fischer.de)*
- **1.4 Emergency telephone number:**  
*Fon: +49 (0)6408-61616 • Fax: +49 (0)6408-5012391 • [sdb@sdf-fischer.de](mailto:sdb@sdf-fischer.de) •*  
*Available during business time ([www.sdf-fischer.de](http://www.sdf-fischer.de) > Kontakt).*

### 2 Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**

*GHS05 corrosion**Eye Dam. 1 H318 Causes serious eye damage.*

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
*The substance is classified and labelled according to the CLP regulation.*
- **Hazard pictograms**

*GHS05*

- **Signal word** *Danger*
- **Hazard-determining components of labelling:**  
*calcium dihydroxide*
- **Hazard statements**  
*H318 Causes serious eye damage.*
- **Precautionary statements**  
*P280 Wear protective gloves/protective clothing/eye protection/face protection.*

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*P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.*

*P310 Immediately call a POISON CENTER or doctor/physician.*

- **Additional information:** *Void*
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*

### 3 Composition/information on ingredients

- **3.1 Chemical characterization: Substances**
- **CAS No. Description**  
*1305-62-0 calcium dihydroxide*
- **Identification number(s)**
- **EC number:** *215-137-3*

### 4 First aid measures

- **4.1 Description of first aid measures**
- **After inhalation:** *Supply fresh air; consult doctor in case of complaints.*
- **After skin contact:** *Generally the product does not irritate the skin.*
- **After eye contact:** *Rinse opened eye for several minutes under running water. Then consult a doctor.*
- **After swallowing:** *If symptoms persist consult doctor.*
- **4.2 Most important symptoms and effects, both acute and delayed** *No further relevant information available.*
- **4.3 Indication of any immediate medical attention and special treatment needed**  
*No further relevant information available.*

### 5 Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
*CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.*
- **5.2 Special hazards arising from the substance or mixture** *No further relevant information available.*
- **5.3 Advice for firefighters**
- **Protective equipment:** *No special measures required.*

### 6 Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** *Not required.*
- **6.2 Environmental precautions:** *Do not allow to enter sewers/ surface or ground water.*
- **6.3 Methods and material for containment and cleaning up:** *Pick up mechanically.*
- **6.4 Reference to other sections**  
*See Section 7 for information on safe handling.*  
*See Section 8 for information on personal protection equipment.*  
*See Section 13 for disposal information.*

### 7 Handling and storage

- **7.1 Precautions for safe handling** *Prevent formation of dust.*
- **Information about fire - and explosion protection:** *No special measures required.*

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- 7.2 Conditions for safe storage, including any incompatibilities
- Storage:
- Requirements to be met by storerooms and receptacles: *No special requirements.*
- Information about storage in one common storage facility: *Not required.*
- Further information about storage conditions: *None.*
- 7.3 Specific end use(s) *No further relevant information available.*

## 8 Exposure controls/personal protection

- Additional information about design of technical facilities: *No further data; see item 7.*

### · 8.1 Control parameters

- Ingredients with limit values that require monitoring at the workplace:

<i>1305-62-0 calcium dihydroxide</i>
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IOELV   <i>5 mg/m<sup>3</sup></i>
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- Additional information: *The lists valid during the making were used as basis.*

### · 8.2 Exposure controls

#### · Personal protective equipment:

#### · General protective and hygienic measures:

*Immediately remove all soiled and contaminated clothing*

*Wash hands before breaks and at the end of work.*

*Avoid contact with the eyes.*

#### · Respiratory protection:

*In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.*

#### · Protection of hands:



*Protective gloves*

*The protective gloves to be used must comply with the specifications of EC directive 89/686/EEC and the resultant standard EN374. The recommendations apply only to the product stated in the safety data sheet and supplied by us as well as to the purpose specified by us. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves.*

- For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:

*Glove material: Nitrile rubber*

*Glove thickness: 0.11 mm*

*Break through time: > 480 min*

#### · Eye protection:



*Tightly sealed goggles*

## 9 Physical and chemical properties

### · 9.1 Information on basic physical and chemical properties

#### · General Information

#### · Appearance:

Form: *Solid*

Colour: *Not determined.*

· Odour: *Characteristic*

· Odour threshold: *Not determined.*

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· pH-value:	<i>Not applicable.</i>
· Change in condition	
Melting point/Melting range:	<i>580 °C (-H<sub>2</sub>O)</i>
Boiling point/Boiling range:	<i>Undetermined.</i>
· Flash point:	<i>Not applicable.</i>
· Flammability (solid, gaseous):	<i>Product is not flammable.</i>
· Ignition temperature:	
Decomposition temperature:	<i>Not determined.</i>
· Self-igniting:	<i>Not determined.</i>
· Danger of explosion:	<i>Product does not present an explosion hazard.</i>
· Explosion limits:	
Lower:	<i>Not determined.</i>
Upper:	<i>Not determined.</i>
· Vapour pressure at 20 °C:	<i>0 hPa</i>
· Density at 20 °C:	<i>2,24 g/cm<sup>3</sup></i>
· Bulk density at 20 °C:	<i>400 kg/m<sup>3</sup></i>
· Relative density	<i>Not determined.</i>
· Vapour density	<i>Not applicable.</i>
· Evaporation rate	<i>Not applicable.</i>
· Solubility in / Miscibility with water at 20 °C:	<i>1,7 g/l</i>
· Partition coefficient (n-octanol/water):	<i>Not determined.</i>
· Viscosity:	
Dynamic:	<i>Not applicable.</i>
Kinematic:	<i>Not applicable.</i>
Organic solvents:	<i>0,0 %</i>
Solids content:	<i>100,0 %</i>
· 9.2 Other information	<i>No further relevant information available.</i>

## 10 Stability and reactivity

- 10.1 Reactivity
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided: *No decomposition if used according to specifications.*
- 10.3 Possibility of hazardous reactions *No dangerous reactions known.*
- 10.4 Conditions to avoid *No further relevant information available.*
- 10.5 Incompatible materials: *No further relevant information available.*
- 10.6 Hazardous decomposition products: *No dangerous decomposition products known.*

## 11 Toxicological information

- 11.1 Information on toxicological effects
- Acute toxicity:

· LD/LC50 values relevant for classification:

*1305-62-0 calcium dihydroxide*

*Oral LD50 7340 mg/kg (rat)*

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- **Primary irritant effect:**
- **on the skin:** *No irritant effect.*
- **on the eye:** *Strong irritant with the danger of severe eye injury.*
- **Sensitization:** *No sensitizing effects known.*


## 12 Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** *No further relevant information available.*
- **12.2 Persistence and degradability** *No further relevant information available.*
- **12.3 Bioaccumulative potential** *No further relevant information available.*
- **12.4 Mobility in soil** *No further relevant information available.*
- **Additional ecological information:**
- **General notes:**  
*Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water*  
*Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.*
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** *Not applicable.*
- **vPvB:** *Not applicable.*
- **12.6 Other adverse effects** *No further relevant information available.*

## 13 Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
*Must not be disposed together with household garbage. Do not allow product to reach sewage system.*
- **Uncleaned packaging:**
- **Recommendation:** *Disposal must be made according to official regulations.*

## 14 Transport information

- |  |   |
|--|---|
| · <b>14.1 UN-Number</b>                    |   |
| · <b>ADR, IMDG, IATA</b>                   | UN3262  |
| · <b>14.2 UN proper shipping name</b>      |   |
| · <b>ADR</b>                               | 3262 CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.<br>(calcium dihydroxide)             |
| · <b>IMDG, IATA</b>                        | CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.<br>(calcium dihydroxide)                  |
| · <b>14.3 Transport hazard class(es)</b>   |   |
| · <b>ADR, IMDG, IATA</b>                   |   |
|  |  |
| · <b>Class</b>                             | 8 Corrosive substances.   |
| · <b>Label</b>                             | 8   |
| · <b>14.4 Packing group</b>                |   |
| · <b>ADR, IMDG, IATA</b>                   | II  |
| · <b>14.5 Environmental hazards:</b>       |   |
| · <b>Marine pollutant:</b>                 | No  |
| · <b>14.6 Special precautions for user</b> | Warning: Corrosive substances.  |

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· <b>Danger code (Kemler):</b>	80
· <b>EMS Number:</b>	F-A,S-B
· <b>Segregation groups</b>	Alkalis
· <b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	1 kg
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	E
· <b>UN "Model Regulation":</b>	UN3262, CORROSIVE SOLID, BASIC, INORGANIC, N.O.S. (calcium dihydroxide), 8, II

## 15 Regulatory information

- **15.2 Chemical safety assessment:** *A Chemical Safety Assessment has not been carried out.*

## 16 Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Department issuing MSDS:** *Product safety department*
- **Contact:** *eMail: sdb@sdf-fischer.de*
- **Abbreviations and acronyms:**
  - RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)*
  - ICAO: International Civil Aviation Organization*
  - ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)*
  - IMDG: International Maritime Code for Dangerous Goods*
  - IATA: International Air Transport Association*
  - GHS: Globally Harmonized System of Classification and Labelling of Chemicals*
  - EINECS: European Inventory of Existing Commercial Chemical Substances*
  - CAS: Chemical Abstracts Service (division of the American Chemical Society)*
  - LC50: Lethal concentration, 50 percent*
  - LD50: Lethal dose, 50 percent*

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