# SAFETY DATA SHEET

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

**1.1. Product identifier**

| | |
|---|---|
| **Trade name or designation of the mixture** | Polishing Paste A 136 |
| **Issue date** | 08.02.2018 |
| **Revision date** | 08.02.2018 |
| **Product use** | Professional use |

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

| | |
|---|---|
| **Identified uses** | Not available. |
| **Uses advised against** | Workers (and your customers or users in the case of resale) should be informed of the potential presence of respirable dust and respirable crystalline silica as well as their potential hazards. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations. |

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

| | |
|---|---|
| **Company name** | Linden Chemie Hellenthal GmbH & Co. KG |
| **Address** | Gewerbegebiet Kröpsch 3a<br>53940 Hellenthal, Germany<br>Tel.: +49 (0) 2482 1398 |
| **e-mail** | info@hlchemie.de |
| **Emergency telephone number** | Giftnotruf Berlin, Tel.: +49 (0) 30-30686700 |

## SECTION 2: Hazards identification

**2.1. Classification of the substance or mixture**

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

**Classification according to Directive 67/548/EEC or 1999/45/EC as amended**

| | |
|---|---|
| **Classification** | Xn;R48/20 |

The full text for all R-phrases is displayed in section 16.

**Classification according to Regulation (EC) No 1272/2008 as amended**

**Health hazards**

| | | |
|---|---|---|
| Specific target organ toxicity - repeated exposure | Category 1 | Causes damage to organs through prolonged or repeated exposure. |

**Hazard summary**

| | |
|---|---|
| **Physical hazards** | Not classified for physical hazards. |
| **Health hazards** | Harmful: danger of serious damage to health by prolonged exposure through inhalation. |
| **Environmental hazards** | Not classified for hazards to the environment. |
| **Specific hazards** | Not available. |
| **Main symptoms** | Prolonged exposure may cause chronic effects. |

**2.2. Label elements**

**Label according to Regulation (EC) No. 1272/2008 as amended**

| | |
|---|---|
| **Contains:** | Quartz, Respirable |
| **Hazard pictograms** |  |
| **Signal word** | Danger |
| **Hazard statements** | Causes damage to organs through prolonged or repeated exposure. |

**Precautionary statements**

| | |
|---|---|
| **Prevention** | Wash thoroughly after handling. Do not eat, drink or smoke when using this product. |

| | |
|---|---|
| **Response** | Get medical advice/attention if you feel unwell. Specific treatment (see on this label). |
| **Storage** | Not available. |
| **Disposal** | Dispose of contents/container in accordance with local/regional/national/international regulations. |
| **Supplemental label information** | Not applicable. |
| **2.3. Other hazards** | Not assigned. |

## SECTION 3: Composition/information on ingredients

**3.2. Mixtures**

**General information**

| Chemical name | % | CAS-No. / EC No. | REACH Registration No. | INDEX No. | Notes |
|---|---|---|---|---|---|
| Quartz, Respirable | 40 - < 50 | 14808-60-7<br>238-878-4 | - | - | |
| **Classification:** | **DSD:** Xn;R48/20 | | | | |
| | **CLP:** STOT RE 1;H372 | | | | |
| Other components below reportable levels | 50 - < 60 | | | | |

CLP: Regulation No. 1272/2008.
DSD: Directive 67/548/EEC.
PBT: persistent, bioaccumulative and toxic substance.
vPvB: very persistent and very bioaccumulative substance.
#: This substance has been assigned Community workplace exposure limit(s).

## SECTION 4: First aid measures

| | |
|---|---|
| **General information** | If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Take off all contaminated clothing immediately. |

**4.1. Description of first aid measures**

| | |
|---|---|
| **Inhalation** | Move to fresh air. For breathing difficulties, oxygen may be necessary. If breathing stops, provide artificial respiration. Call a POISON CENTRE or doctor/physician if you feel unwell. Do not use mouth-to-mouth method if victim inhaled the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. |
| **Skin contact** | Wash off with soap and plenty of water. Get medical attention if irritation develops and persists. |
| **Eye contact** | Flush eyes immediately with large amounts of water. Remove contact lenses, if present and easy to do. Continue rinsing. |
| **Ingestion** | Rinse mouth thoroughly. Do not induce vomiting without medical advice. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If ingestion of a large amount does occur, call a poison control centre immediately. |
| **4.2. Most important symptoms and effects, both acute and delayed** | Prolonged exposure may cause chronic effects. |
| **4.3. Indication of any immediate medical attention and special treatment needed** | Not available. |

## SECTION 5: Firefighting measures

| | |
|---|---|
| **General fire hazards** | Not available. |

**5.1. Extinguishing media**

| | |
|---|---|
| **Suitable extinguishing media** | Water spray, foam, dry powder or carbon dioxide. |
| **Unsuitable extinguishing media** | Do not use water jet as an extinguisher, as this will spread the fire. |
| **5.2. Special hazards arising from the substance or mixture** | Fire may produce irritating, corrosive and/or toxic gases. |
| **Hazardous combustion products** | Carbon monoxide, carbon dioxide and other hydrocarbon fragments. Sulphur oxides. |

**5.3. Advice for firefighters**

| | |
|---|---|
| **Special protective equipment for firefighters** | Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. |

| | |
|---|---|
| **Special fire fighting procedures** | In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |

## SECTION 6: Accidental release measures

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

| | |
|---|---|
| **For non-emergency personnel** | Keep unnecessary personnel away. Avoid inhalation of dust from the spilled material. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. |
| **For emergency responders** | Keep unnecessary personnel away. Use personal protection recommended in Section 8 of the MSDS. |
| **6.2. Environmental precautions** | Avoid release to the environment. |
| **6.3. Methods and material for containment and cleaning up** | Stop the flow of material, if this is without risk. For waste disposal, see section 13. Shovel into dry containers. Cover and move the containers. Flush the area with water. |
| **6.4. Reference to other sections** | For personal protection, see section 8. For waste disposal, see section 13. |

## SECTION 7: Handling and storage

| | |
|---|---|
| **7.1. Precautions for safe handling** | Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Guard against dust accumulation of this material. Do not breathe dust. Avoid contact with eyes. Wear personal protective equipment. Avoid prolonged exposure. Provide good ventilation. |
| **7.2. Conditions for safe storage, including any incompatibilities** | Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from food, drink and animal feeding stuffs. Use care in handling/storage. Store in accordance with local/regional/national/international regulation.<br>Storage Temperature: Between 15 °C (59 °F) and 25 °C (77 °F). |
| **7.3. Specific end use(s)** | Not available. |

## SECTION 8: Exposure controls/personal protection

**8.1. Control parameters**

**Occupational exposure limits**

**Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001**

| Components | Type | Value | Form |
|---|---|---|---|
| Barium Sulfate (7727-43-7) | MAK | 0,5 mg/m3 | Inhalable fraction. |
| | STEL | 2 mg/m3 | Inhalable fraction. |
| Quartz, Respirable (14808-60-7) | MAK | 0,15 mg/m3 | Respirable dust. |

**Belgium. Exposure Limit Values.**

| Components | Type | Value | Form |
|---|---|---|---|
| Barium Sulfate (7727-43-7) | TWA | 10 mg/m3 | |
| Limestone (1317-65-3) | TWA | 10 mg/m3 | |
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | TWA | 2 mg/m3 | Fume. |
| Petrolatum (Non-carci nogenic Feed-stock) (8009-03-8) | STEL | 10 mg/m3 | Mist. |
| | TWA | 5 mg/m3 | Mist. |
| Quartz, Respirable (14808-60-7) | TWA | 0,1 mg/m3 | Respirable dust. |

**Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work**

| Components | Type | Value | Form |
|---|---|---|---|
| Barium Sulfate (7727-43-7) | TWA | 10 mg/m3 | |
| Limestone (1317-65-3) | TWA | 1 fibers/cm3 | Respirable fraction. |
| | | 10 mg/m3 | |
| | | 10 mg/m3 | Inhalable fraction. |
| Petrolatum (Non-carci nogenic Feed-stock) (8009-03-8) | TWA | 5 mg/m3 | |
| Quartz, Respirable (14808-60-7) | TWA | 0,07 mg/m3 | Respirable fraction. |

**Cyprus. OELs. Control of factory atmosphere and dangerous substances in factories regulation, PI 311/73, as amended.**

| Components | Type | Value |
|---|---|---|
| Barium Sulfate (7727-43-7) | TWA | 0,5 mg/m3 |

**Czech Republic. OELs. Government Decree 361**

| Components | Type | Value | Form |
|---|---|---|---|
| Barium Sulfate (7727-43-7) | Ceiling | 2,5 mg/m3 | |

**Czech Republic. OELs. Government Decree 361**

| Components | Type | Value | Form |
|---|---|---|---|
| | TWA | 0,5 mg/m3 | |
| Iron Hydroxide Oxide (20344-49-4) | TWA | 10 mg/m3 | |
| Limestone (1317-65-3) | TWA | 10 mg/m3 | Dust. |
| Petrolatum (Non-carcinogenic Feed-stock) (8009-03-8) | Ceiling | 10 mg/m3 | Aerosol |
| | TWA | 5 mg/m3 | Aerosol |
| Quartz, Respirable (14808-60-7) | TWA | 0,1 mg/m3 | Respirable dust. |

**Denmark. Exposure Limit Values**

| Components | Type | Value | Form |
|---|---|---|---|
| Barium Sulfate (7727-43-7) | TLV | 0,5 mg/m3 | |
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | TLV | 2 mg/m3 | Fume. |
| Petrolatum (Non-carcinogenic Feed-stock) (8009-03-8) | TLV | 1 mg/m3 | Mist. |
| Quartz, Respirable (14808-60-7) | TLV | 0,3 mg/m3 | Total |
| | | 0,1 mg/m3 | Respirable. |

**Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)**

| Components | Type | Value | Form |
|---|---|---|---|
| Barium Sulfate (7727-43-7) | TWA | 0,5 mg/m3 | |
| Limestone (1317-65-3) | TWA | 5 mg/m3 | Respirable dust. |
| | | 10 mg/m3 | |
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | TWA | 2 mg/m3 | Vapor. |
| Quartz, Respirable (14808-60-7) | TWA | 0,1 mg/m3 | Respirable dust. |

**Finland. Workplace Exposure Limits**

| Components | Type | Value | Form |
|---|---|---|---|
| Barium Sulfate (7727-43-7) | TWA | 0,5 mg/m3 | |
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | TWA | 1 mg/m3 | Fume. |
| Quartz, Respirable (14808-60-7) | TWA | 0,05 mg/m3 | Respirable. |

**France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984**

| Components | Type | Value | Form |
|---|---|---|---|
| Barium Sulfate (7727-43-7) | VME | 0,5 mg/m3 | |
| Limestone (1317-65-3) | VME | 10 mg/m3 | |
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | VME | 2 mg/m3 | Fume. |
| Quartz, Respirable (14808-60-7) | VME | 0,1 mg/m3 | Respirable fraction. |

**Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)**

| Components | Type | Value | Form |
|---|---|---|---|
| Barium Sulfate (7727-43-7) | TWA | 4 mg/m3 | Inhalable fraction. |
| | | 1,5 mg/m3 | Respirable fraction. |

**Germany - TRGS 900**

| Components | Type | Value | Form |
|---|---|---|---|
| Limestone (1317-65-3) | TWA | 3 mg/m³ | Respirable fraction |
| | | 10 mg/m³ | Inhalable fraction. |
| Quartz, Respirable (14808-60-7) | AGW | 3 mg/m3 | Respirable fraction |
| | | 10 mg/m3 | Inhalable fraction |

**Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace**

| Components | Type | Value | Form |
|---|---|---|---|
| Barium Sulfate (7727-43-7) | AGW | 3 mg/m3 | Respirable fraction. |

**Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace**

| Components | Type | Value | Form |
|---|---|---|---|
| | | 10 mg/m3 | Inhalable fraction. |

**Greece. OELs (Decree No. 90/1999, as amended)**

| Components | Type | Value | Form |
|---|---|---|---|
| Barium Sulfate (7727-43-7) | TWA | 0,5 mg/m3 | |
| Limestone (1317-65-3) | TWA | 5 mg/m3 | Respirable. |
| | | 10 mg/m3 | Inhalable |
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | STEL | 6 mg/m3 | Fume. |
| | TWA | 2 mg/m3 | Fume. |
| Petrolatum (Non-carci nogenic Feed-stock) (8009-03-8) | TWA | 5 mg/m3 | Mist. |

**Hungary. OELs. Joint Decree on Chemical Safety of Workplaces**

| Components | Type | Value | Form |
|---|---|---|---|
| Barium Sulfate (7727-43-7) | TWA | 0,5 mg/m3 | |
| Limestone (1317-65-3) | TWA | 10 mg/m3 | |
| Petrolatum (Non-carci nogenic Feed-stock) (8009-03-8) | Ceiling | 5 mg/m3 | Mist. |
| Quartz, Respirable (14808-60-7) | TWA | 0,15 mg/m3 | Respirable. |

**Iceland. OELs. Regulation 154/1999 on occupational exposure limits**

| Components | Type | Value | Form |
|---|---|---|---|
| Barium Sulfate (7727-43-7) | TWA | 0,5 mg/m3 | |
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | TWA | 2 mg/m3 | Fume. |
| Petrolatum (Non-carci nogenic Feed-stock) (8009-03-8) | TWA | 1 mg/m3 | Mist. |
| Quartz, Respirable (14808-60-7) | TWA | 0,3 mg/m3 | Total dust. |
| | | 0,1 mg/m3 | Respirable dust. |

**Ireland. Occupational Exposure Limits**

| Components | Type | Value | Form |
|---|---|---|---|
| Barium Sulfate (7727-43-7) | TWA | 2 mg/m3 | Respirable dust. |
| Limestone (1317-65-3) | TWA | 4 mg/m3 | Respirable dust. |
| | | 10 mg/m3 | Total inhalable dust. |
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | STEL | 6 mg/m3 | Fume. |
| | TWA | 2 mg/m3 | Fume. |
| Petrolatum (Non-carci nogenic Feed-stock) (8009-03-8) | TWA | 0,2 mg/m3 | Inhalable fraction. |
| Quartz, Respirable (14808-60-7) | TWA | 0,1 mg/m3 | Respirable dust. |

**Italy. Occupational Exposure Limits**

| Components | Type | Value | Form |
|---|---|---|---|
| Barium Sulfate (7727-43-7) | TWA | 10 mg/m3 | |
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | TWA | 2 mg/m3 | Fume. |
| Petrolatum (Non-carci nogenic Feed-stock) (8009-03-8) | TWA | 5 mg/m3 | Inhalable fraction. |
| Quartz, Respirable (14808-60-7) | TWA | 0,025 mg/m3 | Respirable fraction. |

**Latvia. OELs. Occupational exposure limit values of chemical substances in work environment**

| Components | Type | Value |
|---|---|---|
| Barium Sulfate (7727-43-7) | TWA | 0,5 mg/m3 |
| Petrolatum (Non-carci nogenic Feed-stock) (8009-03-8) | TWA | 5 mg/m3 |

**Lithuania. OELs. Limit Values for Chemical Substances, General Requirements**

| Components | Type | Value | Form |
|---|---|---|---|
| Barium Sulfate (7727-43-7) | TWA | 0,5 mg/m3 | |
| Petrolatum (Non-carcinogenic Feed-stock) (8009-03-8) | STEL | 3 mg/m3 | Fume and mist. |
| | TWA | 1 mg/m3 | Fume and mist. |
| Quartz, Respirable (14808-60-7) | TWA | 0,1 mg/m3 | Respirable fraction. |

**Luxembourg. Binding Occupational exposure limit values (Annex I), Memorial A**

| Components | Type | Value |
|---|---|---|
| Barium Sulfate (7727-43-7) | TWA | 0,5 mg/m3 |

**Malta. OELs. Occupational Exposure Limit Values (L.N. 227. of Occupational Health and Safety Authority Act (CAP. 424), Schedules I and V)**

| Components | Type | Value |
|---|---|---|
| Barium Sulfate (7727-43-7) | TWA | 0,5 mg/m3 |

**Netherlands. OELs (binding)**

| Components | Type | Value | Form |
|---|---|---|---|
| Barium Sulfate (7727-43-7) | TWA | 0,5 mg/m3 | |
| Petrolatum (Non-carcinogenic Feed-stock) (8009-03-8) | TWA | 5 mg/m3 | Mist. |
| Quartz, Respirable (14808-60-7) | TWA | 0,075 mg/m3 | Respirable dust. |

**Norway. Administrative Norms for Contaminants in the Workplace**

| Components | Type | Value | Form |
|---|---|---|---|
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | TLV | 2 mg/m3 | Fume. |
| Petrolatum (Non-carcinogenic Feed-stock) (8009-03-8) | TLV | 1 mg/m3 | Mist. |
| Quartz, Respirable (14808-60-7) | TLV | 0,3 mg/m3 | Total dust. |
| | | 0,1 mg/m3 | Respirable dust. |

**Poland. MACs. Minister of Labour and Social Policy Regarding Maximum Allowable Concentrations and Intensities in Working Environment**

| Components | Type | Value | Form |
|---|---|---|---|
| Barium Sulfate (7727-43-7) | TWA | 0,5 mg/m3 | |
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | TWA | 2 mg/m3 | Fume. |
| Petrolatum (Non-carcinogenic Feed-stock) (8009-03-8) | STEL | 10 mg/m3 | Aerosol |
| | TWA | 5 mg/m3 | Aerosol |
| Quartz, Respirable (14808-60-7) | TWA | 2 mg/m3 | Total dust. |
| | | 0,3 mg/m3 | Respirable dust. |

**Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)**

| Components | Type | Value |
|---|---|---|
| Barium Sulfate (7727-43-7) | TWA | 0,5 mg/m3 |

**Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)**

| Components | Type | Value | Form |
|---|---|---|---|
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | TWA | 2 mg/m3 | Fume. |
| Petrolatum (Non-carcinogenic Feed-stock) (8009-03-8) | STEL | 10 mg/m3 | Aerosol |
| | TWA | 5 mg/m3 | Aerosol |
| Quartz, Respirable (14808-60-7) | TWA | 0,025 mg/m3 | Respirable fraction. |

**Romania. OELs. Protection of workers from exposure to chemical agents at the workplace**

| Components | Type | Value | Form |
|---|---|---|---|
| Barium Sulfate (7727-43-7) | TWA | 0,5 mg/m3 | |

**Romania. OELs. Protection of workers from exposure to chemical agents at the workplace**

| Components | Type | Value | Form |
|---|---|---|---|
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | STEL | 6 mg/m3 | Fume. |
| | TWA | 2 mg/m3 | Fume. |
| Petrolatum (Non-carcinogenic Feed-stock) (8009-03-8) | STEL | 10 mg/m3 | |
| | TWA | 5 mg/m3 | |

**Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents**

| Components | Type | Value | Form |
|---|---|---|---|
| Barium Sulfate (7727-43-7) | TWA | 4 mg/m3 | Inhalable fraction. |
| | | 1,5 mg/m3 | Respirable fraction. |
| Limestone (1317-65-3) | TWA | 10 mg/m3 | |
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | TWA | 2 mg/m3 | Fume. |
| Petrolatum (Non-carcinogenic Feed-stock) (8009-03-8) | TWA | 1 mg/m3 | Fume and mist. |
| | | 5 ppm | Fume and mist. |
| Quartz, Respirable (14808-60-7) | TWA | 0,1 mg/m3 | |

**Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)**

| Components | Type | Value | Form |
|---|---|---|---|
| Barium Sulfate (7727-43-7) | TWA | 0,5 mg/m3 | |
| Quartz, Respirable (14808-60-7) | TWA | 0,15 mg/m3 | Respirable fraction. |

**Spain. Occupational Exposure Limits**

| Components | Type | Value | Form |
|---|---|---|---|
| Barium Sulfate (7727-43-7) | TWA | 10 mg/m3 | |
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | TWA | 2 mg/m3 | Fume. |
| Petrolatum (Non-carcinogenic Feed-stock) (8009-03-8) | STEL | 10 mg/m3 | Mist. |
| | TWA | 5 mg/m3 | Mist. |
| Quartz, Respirable (14808-60-7) | TWA | 0,1 mg/m3 | Respirable fraction. |

**Sweden. Occupational Exposure Limit Values**

| Components | Type | Value | Form |
|---|---|---|---|
| Barium Sulfate (7727-43-7) | TWA | 0,5 mg/m3 | Total dust. |
| Petrolatum (Non-carcinogenic Feed-stock) (8009-03-8) | STEL | 3 mg/m3 | Mist. |
| | TWA | 1 mg/m3 | Mist. |
| Quartz, Respirable (14808-60-7) | TWA | 0,1 mg/m3 | Respirable dust. |

**Switzerland. SUVA Grenzwerte am Arbeitsplatz**

| Components | Type | Value | Form |
|---|---|---|---|
| Barium Sulfate (7727-43-7) | STEL | 4 mg/m3 | Inhalable dust. |
| | TWA | 0,5 mg/m3 | Inhalable dust. |
| Limestone (1317-65-3) | TWA | 3 mg/m3 | Respirable dust. |
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | TWA | 2 mg/m3 | Fume and respirable dust. |
| Quartz, Respirable (14808-60-7) | TWA | 0,15 mg/m3 | Respirable dust. |

**UK. EH40 Workplace Exposure Limits (WELs)**

| Components | Type | Value | Form |
|---|---|---|---|
| Barium Sulfate (7727-43-7) | TWA | 4 mg/m3 | Respirable dust. |
| | | 10 mg/m3 | Inhalable dust. |
| Limestone (1317-65-3) | TWA | 4 mg/m3 | Respirable dust. |
| | | 4 mg/m3 | Respirable. |
| | | 10 mg/m3 | Inhalable dust. |

**UK. EH40 Workplace Exposure Limits (WELs)**

| Components | Type | Value | Form |
|---|---|---|---|
| | | 10 mg/m3 | Inhalable |
| Paraffin waxes and Hydrocarbon waxes (8002-74-2) | STEL | 6 mg/m3 | Fume. |
| | TWA | 2 mg/m3 | Fume. |
| Quartz, Respirable (14808-60-7) | TWA | 0,1 mg/m3 | Respirable. |

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Recommended monitoring procedures** Follow standard monitoring procedures.

**8.2. Exposure controls**

**Appropriate engineering controls** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields.

**Skin protection**

**- Hand protection** Wear protective gloves.

**- Other** Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

**Respiratory protection** Use a particulate filter respirator for particulate concentrations exceeding the Occupational Exposure Limit.

**Thermal hazards** Not available.

**Hygiene measures** Handle in accordance with good industrial hygiene and safety practices.

**Environmental exposure controls** Not available.

## SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

**Appearance**

**Physical state** Solid.

**Form** Paste.

**Colour** Yellow.

**Odour** Characteristic.

**Odour threshold** Not available.

**pH** Not applicable.

**Melting point/freezing point** > 40 °C (> 104 °F)

**Initial boiling point and boiling range** > 100 °C (> 212 °F)

**Flash point** > 100,00 °C (> 212,00 °F)

**Evaporation rate** Not applicable.

**Flammability (solid, gas)** Not applicable.

**Upper/lower flammability or explosive limits**

**Flammability limit - lower (%)** Not available.

**Flammability limit - upper (%)** Not available.

**Vapour pressure** Not applicable.

**Vapour density** Not applicable.

**Relative density** Not available.

**Solubility(ies)** Insoluble.

**Partition coefficient (n-octanol/water)** Not available.

**Decomposition temperature** Not available.

**Viscosity** Not applicable.

**Explosive properties** Not available.

| | |
|---|---|
| **Oxidizing properties** | Not available. |
| **9.2. Other information** | No relevant additional information available. |

## SECTION 10: Stability and reactivity

| | |
|---|---|
| **10.1. Reactivity** | None under normal conditions. |
| **10.2. Chemical stability** | Material is stable under normal conditions. |
| **10.3. Possibility of hazardous reactions** | No dangerous reaction known under conditions of normal use. |
| **10.4. Conditions to avoid** | Avoid temperatures exceeding the flash point. Avoid dust formation. |
| **10.5. Incompatible materials** | Aluminium. Phosphorus. Powerful oxidizers. Acids. Fluorine. Chlorine. |
| **10.6. Hazardous decomposition products** | At thermal decomposition temperatures, carbon monoxide and carbon dioxide. Sulphur oxides. |

## SECTION 11: Toxicological information

| | |
|---|---|
| **General information** | Not available. |
| **Information on likely routes of exposure** | |
| **Ingestion** | Not available. |
| **Inhalation** | Not available. |
| **Skin contact** | Not available. |
| **Eye contact** | Not available. |
| **Symptoms** | Not available. |
| **11.1. Information on toxicological effects** | |
| **Acute toxicity** | No data available. |
| **Skin corrosion/irritation** | Not available. |
| **Serious eye damage/irritation** | Not available. |
| **Respiratory sensitisation** | Not available. |
| **Skin sensitisation** | Not available. |
| **Germ cell mutagenicity** | Not available. |
| **Carcinogenicity** | In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.) In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. Occupational exposure to respirable dust and respirable crystalline silica should be monitored and controlled. |
| **Reproductive toxicity** | Not available. |
| **Specific target organ toxicity - single exposure** | Not available. |
| **Specific target organ toxicity - repeated exposure** | Causes damage to organs through prolonged or repeated exposure. |
| **Aspiration hazard** | Not available. |
| **Mixture versus substance information** | Not available. |
| **Other information** | Not available. |

## SECTION 12: Ecological information

| | |
|---|---|
| **12.1. Toxicity** | Not expected to be harmful to aquatic organisms. |
| **12.2. Persistence and degradability** | No data is available on the degradability of this product. |
| **12.3. Bioaccumulative potential** | Not available. |

| | |
|---|---|
| **Partition coefficient n-octanol/water (log Kow)** | Not available. |
| **Bioconcentration factor (BCF)** | Not available. |
| **12.4. Mobility in soil** | Not available. |
| **12.5. Results of PBT and vPvB assessment** | Not a PBT or vPvB substance or mixture. |
| **12.6. Other adverse effects** | Not available. |

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

| | |
|---|---|
| **Residual waste** | Dispose of in accordance with local regulations. |
| **Contaminated packaging** | Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers retain product residue, follow label warnings even after container is emptied. |
| **EU waste code** | Waste codes should be assigned by the user based on the application for which the product was used. |
| **Disposal methods/information** | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |

## SECTION 14: Transport information

**ADR**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

## SECTION 15: Regulatory information

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

**EU regulations**

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I**

Not listed.

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex II**

Not listed.

**Regulation (EC) No. 850/2004 on persistent organic pollutants, Annex I as amended**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1 as amended**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2 as amended**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3 as amended**

Not listed.

**Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V as amended**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry**

Not listed.

**Regulation (EC) No. 1907/2006, REACH Article 59(1) Candidate List as currently published by ECHA**

Not listed.

**Authorisations**

**Regulation (EC) No. 143/2011 Annex XIV Substances Subject to Authorisation**

Not listed.

**Restrictions on use**

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended**

Not listed.

**Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work**

Not regulated.

**Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breastfeeding**

Not regulated.

**Other EU regulations**

**Directive 96/82/EC (Seveso II) on the control of major-accident hazards involving dangerous substances**

Not regulated.

**Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work**

Not regulated.

**Directive 94/33/EC on the protection of young people at work**

Not regulated.

| | |
|---|---|
| **Other regulations** | The product is classified and labelled in accordance with EC directives or respective national laws. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006. |
| **National regulations** | Not available. |
| **15.2. Chemical safety assessment** | No Chemical Safety Assessment has been carried out. |

## SECTION 16: Other information

| | |
|---|---|
| **List of abbreviations** | Not available. |
| **References** | Not available. |
| **Information on evaluation method leading to the classification of mixture** | Not available. |
| **Full text of any statements or R-phrases and H-statements under Sections 2 to 15** | R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.<br><br>H372 - Causes damage to organs through prolonged or repeated exposure. |
| **Training information** | Not available. |
| **Disclaimer** | The information in the sheet was written based on the best knowledge and experience currently available. |
| **SDS sections updated** | Product and company identification: Product and company identification<br>Composition/Information on Ingredients: Disclosure Overrides<br>Physical & Chemical Properties: Multiple Properties<br>HazReg Data: Europe - EU |