

# MATERIAL SAFETY DATA SHEET

## **1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

PRODUCT NAME: Servoflex Trio-SuperTec

CHEMICAL FAMILY: Mixture of special cements with additives

PRODUCT USE: Industrial cement compound

MANUFACTURER:

Kiesel Bauchemie  
Wolf-Hirth-Str.3  
73730 Esslingen  
Germany

EMERGENCY TELEPHONE NUMBERS:

011 49 711-93134-134, During normal business hours, Central European Time  
011 49 61432 84463, GBK Gefahrgut Büro GmbH, 24 hours

## **2. HAZARD IDENTIFICATION**

POTENTIAL HEALTH EFFECTS:

EMERGENCY OVERVIEW: WARNING! RISK OF SERIOUS EYE DAMAGE.  
HARMFUL IF SWALLOWED.

IRRITANT TO SKIN, EYES AND RESPIRATORY PASSAGES.

PROLONGED OR REPEATED INHALATION MAY CAUSE LUNG DAMAGE.  
CANCER HAZARD-CAN CAUSE CANCER (RESPIRABLE QUARTZ)

ROUTE(S) OF ENTRY: Inhalation, skin and eye contact

Appearance/odor: Grey solid with a characteristic odor

CARCINOGENICITY:

NTP: Yes (Crystalline quartz), IARC: Yes (Crystalline quartz), OSHA: No  
California Proposition 65: Yes (Crystalline silica), (Lithium Carbonate listed for  
developmental harm.

This material is considered hazardous by the OSHA Hazard Communication  
Standard. (29CFR1910.1200)

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all information required by the CPR.



**WHMIS Classification:** Class D2A and D2B

### **3. COMPOSITION/ INFORMATION ON INGREDIENTS**

| <b>Component</b>                | <b>CAS#</b> | <b>% By Wt.</b> |
|---------------------------------|-------------|-----------------|
| Crystalline Quartz              | 14808-60-7  | 5 - 75          |
| Cement, portland & high-alumina | 65997-15-1  | 25 - 75         |
| Calcium carbonate               | 471-34-1    | 1 - 10          |
| Calcium silicate                | 1344-95-2   | 1 - 10          |
| Lithium carbonate               | 554-13-2    | 0.1 - <1        |
| Wood fibers                     | NA          | 1 - 5           |

### **4. FIRST AID MEASURES:**

**SKIN:** Remove contaminated clothing and shoes. Wash with soap or mild detergent and large amounts of water. Do not use solvents or thinners. Get medical attention if irritation occurs.

**EYES:** Hold eyes open and flush for at least 15 minutes with large amounts of water. Get immediate medical attention

**INGESTION:** Do not induce vomiting. Give two glasses of water to dilute stomach contents. Never give anything by mouth to an unconscious person. Consult physician immediately.

**INHALATION:** Remove to fresh air immediately. If breathing has stopped give artificial respiration. If breathing is difficult administer oxygen. Consult physician if irritation of respiratory passage occurs.

### **5. FIRE FIGHTING MEASURES**

**EXTINGUISHING MEDIA:** Alcohol foam, carbon dioxide, dry powder, water spray. Product is not flammable.

**SPECIAL FIRE FIGHTING PROCEDURES:** Use self-contained breathing apparatus and full protective clothing.

**6. ACCIDENTAL RELEASE MEASURES:**

SPILL AND LEAK PROCEDURES: Wearing appropriate personal protective equipment, contain spills and place in suitable containers.

**7. HANDLING AND STORAGE**

STORAGE: Store closed containers in cool, dry area. Keep away from moisture, acids and alkalis. Keep in well ventilated areas.

HANDLING: Avoid inhalation of dust, skin and eye contact. Do not eat, drink or smoke in application area.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

EXPOSURE LIMITS:

| Component          | CAS#       | Exposure Limits                  |
|--------------------|------------|----------------------------------|
| Crystalline Quartz | 14808-60-7 | 0.025 mg/m <sup>3(R)</sup> ACGIH |
| Cement, portland   | 65997-15-1 | 1 mg/m <sup>3(E,R)</sup> ACGIH   |
| Calcium carbonate  | 471-34-1   | 5 mg/m <sup>3(R)</sup> OSHA      |
| Calcium silicate   | 1344-95-2  | 0.5 mg/m <sup>3(E,R)</sup> ACGIH |
| Wood fibers        | NA         | 1 mg/m <sup>3 I</sup> ACGIH      |

E= particulate matter containing no asbestos, R=Respirable fraction, I=Inhalable fraction

ENGINEERING CONTROLS: Use local exhaust ventilation or respiratory protection to maintain employee exposure below TLV.

RESPIRATORY PROTECTION: If airborne concentration poses a health hazard, becomes irritating or exceeds recommended limits, use a NIOSH approved respirator in accordance with OSHA Respirator Protection requirements under 29 CFR 1910.134.

SKIN PROTECTION: Clothing and gloves suitable to prevent skin contact. Check suitability recommendations by protective equipment manufacturers, especially towards chemical breakthrough resistance.

EYE PROTECTION: Safety goggles with side shields.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

|                                 |                        |
|---------------------------------|------------------------|
| PHYSICAL FORM: .....            | Solid                  |
| COLOR: .....                    | Grey                   |
| ODOR: .....                     | Characteristic         |
| FLASH POINT: .....              | NA                     |
| BOILING POINT: .....            | NA                     |
| AUTO IGNITION: .....            | Not self igniting      |
| VAPOR PRESSURE: .....           | NA                     |
| VISCOSITY: .....                | NA                     |
| SETTLED APPARENT DENSITY: ..... | 1300 kg/m <sup>3</sup> |
| pH.(100 g/l): @(20°C): .....    | 13                     |
| VOC-EC1* CONTENT:.....          | Not available          |

\* EMI CODE EC 1

## **10. STABILITY AND REACTIVITY**

CHEMICAL STABILITY: Stable.

HAZARDOUS DECOMPOSITION PRODUCTS: NA

POLYMERIZATION: Will not occur.

INCOMPATIBILITIES: Avoid strong acids.

## **11. TOXICOLOGICAL INFORMATION**

See Section 2 - Potential Health Effects.

Crystalline quartz is classified by NTP as a known human carcinogen.

Crystalline quartz is classified by IARC as group 1, sufficient evidence of human carcinogenicity.

Portland cement is a severe eye and lung irritant

Aqueous solutions may cause caustic burns to skin and eyes.

## **12. ECOLOGICAL INFORMATION**

Avoid contamination of ground water or waterways.

Do not discharge into sewer systems.

## **13. DISPOSAL CONSIDERATIONS**

Dispose of in accordance with Federal, State or Local regulations.

**14. TRANSPORT INFORMATION**

DOT SHIPPING NAME: Not regulated

**15. REGULATORY INFORMATION**

All components of this product are on the TSCA Inventory.

SARA Title III:

To the best of our knowledge this product contains no toxic chemicals subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372.

**Note:** Entries under this section cover only those regulations typically addressed in the MSDS generating process, such as, TSCA, and EPCRA/SARA Title III.

**16. OTHER INFORMATION**

HAZCOM LABEL: WARNING!

RISK OF SERIOUS EYE DAMAGE

HARMFUL IF SWALLOWED.

IRRITANT TO SKIN, EYES AND RESPIRATORY PASSAGES.

PROLONGED OR REPEATED INHALATION MAY CAUSE LUNG DAMAGE.

CANCER HAZARD-CAN CAUSE CANCER (RESPIRABLE QUARTZ)

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Version 3, includes changes in Section 8.

This MSDS conforms to the American National Standard, ANSI Z400.1-2004

To the best of our knowledge, the information contained in this MSDS is accurate.

It is intended to assist the user in his evaluation of the product's hazards, and safety precautions to be taken in its use. The data on this MSDS relate only to the specific material designated herein. We do not assume any liability for the use of, or reliance on this information, nor do we guarantee its accuracy or completeness.

Version 1, June 2, 2009

Version 2, July 28, 2010

Version 3, January 27, 2011

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