

Material Safety Data Sheet WHC Silica Finings

1. PRODUCT AND COMPANY DETAILS

Product

Name of Product: WHC Silica Finings

Article number: KS035102

Application of the substance / the mixture PCI9 Intermediate

Details of the supplier of the safety data sheet

Name of Company: WHC Lab Ltd.

Address: WHC Lab, Prospect Lower, Newcastle, Co. Wicklow, Ireland, A63 H0K8

Emergency Contact Numbers

Managing Director: Tony O'Kane: +353 87 948 3590

Technical Director: Philip Woodnutt: +353 89 406 8622

Plant Manager: Farrokh Farrokh Pour: +353 87 375 4880

Sales Director: Pete Garraway: +44 779 658 5387

In case of an emergency please contact the local emergency services.

2. HAZARDS

Classification

This product is not classified according to the Globally Harmonized System (GHS).

3. INGREDIENT COMPOSITION

Chemical characterization: Mixtures

Mixture of the substances listed below with nonhazardous additions.

| Components | CAS Registry Number | Concentration |
|-----------------------------------------------------|---------------------|---------------|
| Water, distilled, conductivity or of similar purity | 7732-18-5 | 50-100% |
| Silicon dioxide, chemically prepared | 7631-86-9 | 25-50% |
| Chlorine | 7782-50-5 | <0.1% |

4. FIRST AID PROCEDURES

Description of first aid procedures

| | |
|--------------------|----------------------------------------------------------|
| Contact with Eyes: | Rinse opened eye for several minutes under running water |
| Contact with Skin: | Generally the product does not irritate the skin |
| Ingestion: | If symptoms persist consult doctor |
| Inhalation: | Supply fresh air; consult doctor in case of complaints |

5. FIRE FIGHTING MEASURES

Fire Suppression

Use fire fighting measures that suit the environment.

Specific risks associated with the substance

No further relevant information available.

Advice for fire fighters

No special measures required.

6. ACCIDENTAL RELEASE CONTROLS

Safety measures, protective gear, and emergency procedures

Not required.

Environmental precautions

Dilute with plenty of water.

Techniques and supplies for containment and cleanup

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

7. HANDLING AND STORAGE

Packaging Materials

WHC Silica Finings is available in 24 kg drums.

Storage and Handling

Storage Conditions: It is recommended to keep product in its original unopened packaging in ambient conditions (10°C to 30°C or 50°F to 86°F) to maintain maximum activity. Avoid freezing the product and ensure containers are sealed when not in use. Store in a cool place, away from direct sunlight, to preserve its effectiveness.

Shelf life: As stated on the pack.

Handling: No special measures required. For best results, re-sealed drum and use promptly.

Please note the expiry date on the drum prior to opening.

8. EXPOSURE CONTROLS

| Conditions | |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General protective and hygienic measures: | The usual precautionary measures for handling chemicals should be followed. |
| Breathing equipment | Not required. |
| Protection of hands | Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. |
| Penetration time of glove material | The exact penetration time has to be found out by the manufacturer of the protective gloves and has to be observed. |
| Eye protection | Goggles recommended during refilling. |

9. PHYSICAL, CHEMICAL AND MICROBIOLOGICAL PROPERTIES

| Parameter | Typical Value |
|----------------------------------------|-------------------------------------------------------|
| Form | Liquid |
| Color | Transparent |
| Odor | Odorless |
| pH-value at 25°C (77°F) | 8.5 to 9.5 |
| Melting point | Undetermined |
| Boiling point | 100°C (212°F) |
| Flammability | Not applicable |
| Decomposition temperature | Not applicable |
| Auto igniting | Product is not selfigniting |
| Danger of explosion | Product does not present an explosion hazard |
| Vapor pressure at 20°C (68°F) | 23 hPa (17 mm Hg) |
| Density at 20°C (68°F) | 1.15 - 1.25 g/cm ³ (9.597 - 10.431lbs/gal) |
| Solubility in / Miscibility with Water | Fully miscible |
| Dynamic at 25°C (77°F) | < 8 mPas |
| Kinematic | Not determined |
| Organic solvents | 0.0% |
| Water | 65% to 75% |
| Solids content | 25% to 35% |

10. STABILITY/REACTIVITY

| |
|---------------------------------------------------------------------------------------------------------------|
| Conditions to avoid |
| No further relevant information available |
| Reactivity |
| No further relevant information available |
| Chemical stability |
| Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications |
| Possibility of hazardous reactions |
| No dangerous reactions known |
| Incompatible materials |
| No further relevant information available |
| Hazardous decomposition products |
| No dangerous decomposition products known |

11. TOXICOLOGICAL INFORMATION

| | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| Information on toxicological effects | |
| Skin irritation: | Irritant to skin and mucous membranes. |
| Eye irritation: | No irritating effect. |
| Sensitization: | No sensitizing effects known |
| Additional toxicological information | |
| The product is not subject to classification according to internally approved calculation methods for preparations: When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us. | |
| Carcinogenic categories | |
| IARC (International Agency for Research on Cancer) | |
| 7631-86-9 silicon dioxide, chemically prepared: 3 | |

NTP (National Toxicology Program)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12. ECOLOGICAL INFORMATION**Toxicity****Aquatic toxicity:** No further relevant information available.**Persistence and degradability:** No further relevant information available.**Behavior in environmental systems:****Bioaccumulative potential:** No further relevant information available.**Mobility in soil:** No further relevant information available.**Additional ecological information:****General notes:** Generally not hazardous for water**13. DISPOSAL****Waste treatment methods****Recommendation:** Subsequent information refers to the goods as delivered but not to used goods.**Uncleaned packagings:****Recommendation:** Disposal must be made according to official regulations.**Recommended cleansing agent:** Water, if necessary with cleansing agents**14. TRANSPORT****Transport Information**

| | |
|--------------------------------------------------------------------------------|-----------------|
| UN-Number <i>DOT, ADR, ADN, IMDG, IATA</i> | Void |
| UN proper shipping name <i>DOT, ADR, ADN, IMDG, IATA</i> | Void |
| Transport hazard class(es) <i>DOT, ADR, ADN, IMDG, IATA Class</i> | Void |
| Packing group <i>DOT, ADR, IMDG, IATA</i> | Void |
| Environmental hazards | Not applicable. |
| Special precautions for user | Not applicable. |
| Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| UN "Model Regulation" | Void |

15. REGULATORY INFORMATION

Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture
Sara

Section 355 (extremely hazardous substances): 7782-50-5 chlorine

Section 313 (Specific toxic chemical listings): 7782-50-5 chlorine

TSCA (Toxic Substances Control Act): All ingredients are listed.

Proposition 65

Chemicals known to cause cancer: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.

Chemicals known to cause developmental toxicity: None of the ingredients is listed.

Carcinogenic categories EPA (Environmental Protection Agency): None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH): 7782-50-5 chlorine: A4

16. OTHER INFORMATION

*The information presented here is based on our current understanding.
It describes the product in terms of the necessary safety precautions.
It does not imply that the product's qualities are guaranteed.*

If you have any questions or concerns about our product please contact us at lab@whclab.com