



London ON,
N6N1N7
www.abccork.com



MATERIAL SAFETY DATA SHEET

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

1.1. Product Identifier

Product Name	Kieselso	Trade Name	Amorphous Silica, aqueous colloidal solution.
Product Code	01ABC140	CAS-No.	7631-86-9

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

Relevant identified uses	Inorganic binder and surface modifier.
---------------------------------	--

2 Hazards Identification

2.1. Classification of the substance or mixture

Classification under Regulation (EC) No 1272/2008	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008
--	---

2.2. Label Elements

Labelling according to regulation (EC) no 1272/2008	Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008
--	---

3 Composition/Information on ingredients

3.1. Mixtures

Component	Cas-No.	EC-No.	Concentration
Silicon dioxide, amorphous	7631-86-9	231-545-4	30 - 60

4 First aid measures

4.1. Description of first aid measures

General Advice	No hazards which require special first aid measures.
Inhalation	If inhaled move the exposed person to fresh air immediately. If symptoms persist, call a physician.
Ingestion	Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person.

Eye Contact	Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Protect unharmed eye.
--------------------	--

Skin Contact	Remove contaminated clothing. Wash skin with plenty of water and soap. Seek medical attention if symptoms occur after washing.
---------------------	--

4.2. Most important symptoms and effects, both acute and delayed	No information available
---	--------------------------

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

Treatment	Treat symptomatically
------------------	-----------------------

5 Firefighting measures

5.1. Extinguishing media	
---------------------------------	--

Extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
----------------------------	---

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

Hazardous combustion products	No hazards to be specially mentioned.
--------------------------------------	---------------------------------------

5.3. Advice for firefighters	
-------------------------------------	--

Special protective equipment	Wear appropriate protective equipment and self contained breathing apparatus in case of fire.
-------------------------------------	---

Further information	Standard procedure for chemical fires
----------------------------	---------------------------------------

6 Accidental release measures

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

No conditions to be specially mentioned.
--

6.2. Environmental Precautions	
---------------------------------------	--

No special environmental precautions required.
--

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

Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal. If liquid has been spilled in large quantities clean up promptly by scoop or vacuum.
--

6.4. Reference to other sections	
---	--

For personal protection see section 8. For disposal see section 13.

7 Handling and storage

7.1. Precautions for safe handling

No special handling advice required. For personal protection see section 8.

7.2. Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Store in closed dark containers made of anti-corrosive material. No special restrictions on storage with other products.
Min/Max Storage temps: Avoid below 5°C, avoid above 35°C
Other data: No decomposition if stored and applied as directed.

7.3. Specific end use(s)

Apart from uses mentioned in section 1.2 no other specific uses are stipulated.

8 Exposure controls / personal protection



8.1. Control Parameters

Components with workplace control parameters	Contains no substances with occupational exposure limit values.
---	---

Components	CAS-No.	Value	Control Parameters	Update	Basis	Form of Exposure
Silicon dioxide, amorphous	7631-86-9	TWA	6 mg/m ³	2007-08-01	GB EH40	Inhalable
		TWA	2.4 mg/m ³	2007-08-01	GB EH40	Respirable

STEL: Short term exposure limit
TWA: Time weighted Average (TWA)

8.2. Exposure control

Personal protective equipment (PPE):	 
Appropriate Engineering Controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Effective exhaust ventilation system.
Eye/ Face Protection	Safety glasses.
Skin Protection	PVC/Rubber Gloves.
Respiratory Protection	No personal respiratory protective equipment normally required.

9 Physical & Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Colour	White
Odour	Odourless
Solubility	Dispersible
Boiling Point	100°C
Melting Point	0°C
Relative Density	1.100 – 1.300
pH (22.2g/L at 25°C)	9 – 10

10 Stability & Reactivity

Reactivity	Stable under normal conditions.
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No dangerous reactions known under conditions or normal use.
Conditions to avoid	Avoid drying out of the solution as this can lead to a build-up of dust.
Incompatible materials	Mild steel, Aluminium, Copper.
Hazardous decomposition products	No hazardous decomposition products are known.

11 Toxicology Information

Hazard summary

Inhalation	May cause respiratory tract irritation.
Skin	Causes mild skin irritation.
Eyes	May cause eye irritation.
Ingestion	May cause irritation of the mucous membranes.

11.1. Information on toxicological effects

Acute oral toxicity	LD50: > 5,000 mg/kg Species: Rat The value is estimated from test on similar products.
---------------------	--

Sensitisation	Did not cause sensitisation on laboratory animals. Method: (Magnusson-Kligman): The value is estimated from tests in similar products.
Germ cell mutagenicity	Genotoxicity in vitro Ames test: Ngeative Method:OECD Guide-line 471 – Bacterial Reverse Mutation Test The value is estimated from tests in similar products.
Silicon dioxide, amorphous	Acute oral toxicity LD50: > 10,000 mg/kg Species: Rat

12 Ecological Information

Ecotoxicology Assessment - Results of PBT assessment

PBT assessment	This mixture contains no substance considered to be persistent, bioaccumulating nor toxic
vPvB assessment	This mixture contains no substance considered to be very persistent nor very bioaccumulating

12.1. Toxicity

Toxicity to fish	LC50: > 5,000 mg/l Exposure time: 96 h Species: Danio rerio (zebra fish) The value is estimated from tests on similar products.
Toxicity to daphnia and other aquatic invertebrates	EC50: 7,600 mg/l Exposure time: 48 h Species: Ceriodaphnia Dubia (water flea) The value is estimated from tests on similar products.
Toxicity to algae	NOEC: 60 mg/l Exposure time: 48 h Species: Selenastrum capricornutum (green algae) The value is estimated from tests on similar products. EC50: 120 mg/l Exposure time: 48 h Species: Selenastrum capricornutum (green algae) The value is estimated from tests on similar products. EC10: 140 mg/l Exposure time: 48 h Species: Selenastrum capricornutum (green algae) The value is estimated from tests on similar products.

12.2. Mobility in soil

No test results. Under extreme circumstances, transport from earth to water may take place.
Transport to air is not expected.

13 Disposal Considerations

13.1. Waste treatment methods

Contaminated packaging	Empty remaining contents Empty containers should be taken to an approved waste handling site for recycling or disposal.
-------------------------------	--



14 Transport Information

14.1. UN proper shipping name

ADR/RID/AND	Not dangerous goods
-------------	---------------------

IMDG	Not dangerous goods
------	---------------------

IATA	Not dangerous goods
------	---------------------

14.2. Environmental hazards

ADR/RID/AND	No
-------------	----

IMDG	No
------	----

IATA	No
------	----

15 Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006

15.1. Safety, health and environment regulation/legislation specific for the substance or mixture

Major accident hazard legislation	96/82/EC, Update: 2003, Directive 96/82/EC does not apply
-----------------------------------	---