

## Senershield RS

Version **Revision Date:** SDS Number: Date of last issue: -

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#### **SECTION 1. IDENTIFICATION**

Product name Senershield RS

Product code 00000000050485234 00000000050485234

Manufacturer or supplier's details

Master Builders-Construction Systems Company name of supplier

US, LLC

Address 23700 CHAGRIN BLVD

Beachwood OH 44122

Emergency telephone ChemTel: +1-813-248-0585 USA: +1-800-255-3924 Contract

Number MIS9240420

Recommended use of the chemical and restrictions on use

Product for construction chemicals Recommended use

Restrictions on use Reserved for industrial and professional use.

#### **SECTION 2. HAZARDS IDENTIFICATION**

#### GHS classification in accordance with 29 CFR 1910.1200

Skin sensitization : 1

Carcinogenicity (Inhalation) 1A

2 Reproductive toxicity

Specific target organ toxicity

- repeated exposure (Inhala-

tion)

Specific target organ toxicity - repeated exposure (Inhala-

tion)

2 (Kidney, Immune system)

#### **GHS** label elements

Hazard pictograms



1 (Lung)



Signal Word Danger

Hazard Statements H317 May cause an allergic skin reaction.

H350 May cause cancer.

H361 Suspected of damaging fertility or the unborn child. H372 Causes damage to organs through prolonged or repeated

exposure if inhaled.

H373 May cause damage to organs through prolonged or re-

peated exposure.

**Precautionary Statements** Prevention:

P280 Wear protective gloves/ protective clothing/ eye protection/



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face protection.

P201 Obtain special instructions before use.

P260 Do not breathe dust or mist.

P202 Do not handle until all safety precautions have been read

and understood.

P270 Do not eat, drink or smoke when using this product.

P264 Wash face, hands and any exposed skin thoroughly after handling.

P272 Contaminated work clothing should not be allowed out of the workplace.

Response:

P314 Get medical advice/ attention if you feel unwell.

P303 + P352 IF ON SKIN (or hair): Wash with plenty of soap

P362 + P364 Take off contaminated clothing and wash it before

reuse.

P308 + P311 IF exposed or concerned: Call a POISON

CENTER/ doctor.

Storage:

P405 Store locked up.

Disposal:

P501 Dispose of contents/container to appropriate hazardous

waste collection point.

### Other hazards

None known.

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

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Limestone	1317-65-3	>= 10 - < 50
Quartz (SiO2)	14808-60-7	>= 15 - < 25
Titanium dioxide	13463-67-7	>= 1 - < 3
Kieselguhr, soda ash flux-calcined	68855-54-9	>= 1 - < 3
cristobalite	14464-46-1	>= 0 - < 3
sodium lauyl ether sulfate	68585-34-2	>= 0.1 - < 0.3
2,2',2"-(hexahydro-1,3,5-triazine- 1,3,5-triyl)triethanol	4719-04-4	>= 0.1 - < 0.2
Phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene	68610-51-5	>= 0 - < 0.2

## **SECTION 4. FIRST AID MEASURES**

General advice Move out of dangerous area.

Show this material safety data sheet to the doctor in attend-

Do not leave the victim unattended.

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If inhaled : Consult a physician after significant exposure.

If unconscious, place in recovery position and seek medical

advice.

In case of skin contact : If on skin, rinse well with water.

In case of eye contact : Flush eyes with water as a precaution.

Remove contact lenses. Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed : Induce vomiting immediately and call a physician.

None known.

Keep respiratory tract clear.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician. Take victim immediately to hospital.

Most important symptoms

delayed

and effects, both acute and

Notes to physician : Treat symptomatically.

**SECTION 5. FIRE-FIGHTING MEASURES** 

Suitable extinguishing media : Water spray

Dry powder Foam

Carbon dioxide (CO2) High volume water jet

Unsuitable extinguishing

media

Specific hazards during fire fighting

The substances/groups of substances mentioned can be re-

leased if the product is involved in a fire.

Do not allow run-off from fire fighting to enter drains or water

courses.

Hazardous combustion prod-

ucts

oxides

Further information : Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

Special protective equipment:

for fire-fighters

Wear self-contained breathing apparatus for firefighting if nec-

essary.

**SECTION 6. ACCIDENTAL RELEASE MEASURES** 

Personal precautions, protec- :

tive equipment and emer-

gency procedures

Use personal protective equipment.

Ensure adequate ventilation.

Environmental precautions : Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform

respective authorities.



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Methods and materials for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel,

acid binder, universal binder, sawdust).

Keep in suitable, closed containers for disposal.

#### **SECTION 7. HANDLING AND STORAGE**

Advice on protection against

fire and explosion

Normal measures for preventive fire protection.

Advice on safe handling : Avoid formation of aerosol.

Do not breathe vapors/dust.

Avoid exposure - obtain special instructions before use.

Avoid contact with skin and eyes. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the ap-

plication area.

Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national

regulations.

Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being

used.

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated

place.

Observe label precautions.

Electrical installations / working materials must comply with

the technological safety standards.

Further information on stor-

age conditions

Keep only in the original container in a cool, dry, well-

ventilated place away from ignition sources, heat or flame.

Protect from direct sunlight.

Materials to avoid : No applicable information available.

Further information on stor-

age stability

No decomposition if stored and applied as directed.

## **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

### Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Limestone	1317-65-3	REL value (Respirable)	5 mg/m3	NIOSH
		REL value (Total)	10 mg/m3	NIOSH
		PEL (Respirable fraction)	5 mg/m3	29 CFR 1910.1000 (Table Z-1)
		PEL (Total dust)	15 mg/m3	29 CFR 1910.1000 (Table Z-1)



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		TWA value (Respirable fraction)	5 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA value (Total dust)	15 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (respirable fraction)	5 mg/m3	OSHA Z-1
		TWA (Total dust)	15 mg/m3	OSHA P0
		TWA (respirable dust fraction)	5 mg/m3	OSHA P0
		TWA (Respirable)	5 mg/m3 (Calcium car- bonate)	NIOSH REL
		TWA (total)	10 mg/m3 (Calcium car- bonate)	NIOSH REL
Titanium dioxide	13463-67-7	TWA value	10 mg/m3	ACGIHTLV
		PEL (Total dust)	15 mg/m3	29 CFR 1910.1000 (Table Z-1)
		TWA value (Total dust)	10 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		TWA (total dust)	15 mg/m3	OSHA Z-1
		TWA (Total dust)	10 mg/m3	OSHA P0
		TWA	10 mg/m3 (Titanium dioxide)	ACGIH
cristobalite	14464-46-1	TWA value (Respirable fraction)	0.025 mg/m3	ACGIHTLV
		TWA (Respirable dust)	0.05 mg/m3	OSHA Z-1
		TWA (respirable dust fraction)	0.05 mg/m3	OSHA P0
		TWA (Respirable particulate matter)	0.025 mg/m3 (Silica)	ACGIH
		PEL (respirable)	0.05 mg/m3	OSHA CARC
		TWA (Respirable dust)	0.05 mg/m3 (Silica)	NIOSH REL
Quartz (SiO2)	14808-60-7	TWA value (Respirable fraction)	0.025 mg/m3	ACGIHTLV
		TWA value	0.05 mg/m3	29 CFR



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			(Respirable dust)	1910.1001- 1050
		OSHA Action level	0.025 mg/m3 (Respirable dust)	29 CFR 1910.1001- 1050
		REL value (Respirable dust)	0.05 mg/m3	NIOSH
		TWA (Respirable dust)	0.05 mg/m3	OSHA Z-1
		TWA (respirable)	10 mg/m3 / %SiO2+2	OSHA Z-3
		TWA (respirable)	250 mppcf / %SiO2+5	OSHA Z-3
		TWA (respirable dust fraction)	0.1 mg/m3	OSHA P0
		TWA (Respirable particulate matter)	0.025 mg/m3 (Silica)	ACGIH
		PEL (respir- able)	0.05 mg/m3	OSHA CARC
		TWA (Respirable dust)	0.05 mg/m3 (Silica)	NIOSH REL
Kieselguhr, soda ash flux-calcined	68855-54-9	REL value	6 mg/m3	NIOSH
		TWA value	20 millions of particles per cubic foot of air	29 CFR 1910.1000 (Table Z-3)
		TWA value	0.8 mg/m3	29 CFR 1910.1000 (Table Z-3)
		OSHA Action level	0.025 mg/m3 (Respirable dust)	29 CFR 1910.1001- 1050
		TWA value	0.05 mg/m3 (Respirable dust)	29 CFR 1910.1001- 1050
		TWA (Dust)	20 Million parti- cles per cubic foot (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m3 / %SiO2 (Silica)	OSHA Z-3
		TWA	6 mg/m3 (Silica)	NIOSH REL

**Engineering measures** : Wear appropriate respiratory protection.

Personal protective equipment

Respiratory protection Hand protection

: Wear respiratory protection if ventilation is inadequate.

Remarks : The suitability for a specific workplace should be discussed

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with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water

Tightly fitting safety goggles

Skin and body protection : Impervious clothing

Choose body protection according to the amount and con-

centration of the dangerous substance at the work place.

Protective measures : Do not inhale gases/vapours/aerosols.

Avoid contact with the skin, eyes and clothing.

Avoid exposure - obtain special instructions before use. Handle in accordance with good building materials hygiene

and safety practice.

Wearing of closed work clothing is recommended.

Hygiene measures : When using do not eat or drink.

When using do not smoke.

Wash hands before breaks and at the end of workday.

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

Appearance : viscous

Color : light gray

pH : No data available

Boiling point : No applicable information available.

Flash point : A flash point determination is unnecessary due to the high

water content.

Evaporation rate : No applicable information available.

Flammability (solid, gas) : Based on the structure or composition there is no indication of

flammability

Upper explosion limit / Upper

flammability limit

No applicable information available.

Lower explosion limit / Lower

flammability limit

No applicable information available.

Vapor pressure : No data available

Relative vapor density : No applicable information available.

Relative density : No applicable information available.

Density : approx. 1.4800 g/cm3 (73.40 °F / 23.00 °C)

Solubility(ies)

Water solubility : No data available

Solubility in other solvents : No applicable information available.

Partition coefficient: n-

octanol/water

No applicable information available.



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Autoignition temperature not determined

Decomposition temperature No decomposition if stored and handled as pre-

scribed/indicated.

Viscosity

No applicable information available. Viscosity, dynamic

Viscosity, kinematic No applicable information available.

Oxidizing properties Not an oxidizer.

Sublimation point No applicable information available.

Molecular weight No data available.

#### **SECTION 10. STABILITY AND REACTIVITY**

No decomposition if stored and applied as directed. Reactivity Chemical stability No decomposition if stored and applied as directed. Possibility of hazardous reac-No decomposition if stored and applied as directed.

tions

Conditions to avoid See SDS section 7 - Handling and storage.

Incompatible materials Strong acids

Strong bases

Strong oxidizing agents Strong reducing agents

Hazardous decomposition No hazardous decomposition products if stored and handled

products as prescribed/indicated.

## **SECTION 11. TOXICOLOGICAL INFORMATION**

#### **Acute toxicity**

Not classified based on available information.

### Skin corrosion/irritation

Not classified based on available information.

### Serious eye damage/eye irritation

Not classified based on available information.

#### Respiratory or skin sensitization

## Skin sensitization

May cause an allergic skin reaction.

#### Respiratory sensitization

Not classified based on available information.

#### Germ cell mutagenicity

Not classified based on available information.

#### Carcinogenicity

May cause cancer.



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#### Reproductive toxicity

Suspected of damaging fertility or the unborn child.

### STOT-single exposure

Not classified based on available information.

#### STOT-repeated exposure

Causes damage to organs through prolonged or repeated exposure if inhaled.

May cause damage to organs through prolonged or repeated exposure.

#### **Aspiration toxicity**

Not classified based on available information.

### **Product:**

No aspiration hazard expected.

#### **SECTION 12. ECOLOGICAL INFORMATION**

#### **Ecotoxicity**

No data available

## Persistence and degradability

No data available

### **Bioaccumulative potential**

### **Components:**

Quartz (SiO2):

Partition coefficient: n-

Remarks: not applicable

octanol/water

Titanium dioxide:

Partition coefficient: n-

Remarks: not applicable

octanol/water

Kieselguhr, soda ash flux-calcined:

Partition coefficient: n-

Remarks: not applicable

octanol/water

cristobalite:

octanol/water

Partition coefficient: n-

Remarks: The value has not been determined because the

substance is inorganic.

2,2',2"-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol:

Partition coefficient: n- : log Pow: -2 (75 °F / 24 °C)

octanol/water pH: 7

Method: Partition coefficient

GLP: yes

Mobility in soil

No data available

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#### Other adverse effects

**Product:** 

Additional ecological infor-

mation

There is a high probability that the product is not acutely

harmful to aquatic organisms.

The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual

components.

#### **SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods** 

Waste from residues : Do not contaminate ponds, waterways or ditches with chemi-

cal or used container.

Dispose of in accordance with national, state and local regula-

tions.

Do not discharge into drains/surface waters/groundwater.

Contaminated packaging : Contaminated packaging should be emptied as far as possible

and disposed of in the same manner as the sub-

stance/product.

#### **SECTION 14. TRANSPORT INFORMATION**

### International Regulations

IATA-DGR

Not regulated as a dangerous good

**IMDG-Code** 

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

**Domestic regulation** 

**49 CFR** 

Not regulated as a dangerous good

#### **SECTION 15. REGULATORY INFORMATION**

### **US State Regulations**

#### Pennsylvania Right To Know

Limestone	1317-65-3
Titanium dioxide	13463-67-7
cristobalite	14464-46-1
Quartz (SiO2)	14808-60-7
Kieselguhr, soda ash flux-calcined	68855-54-9
carbon black	1333-86-4

#### **New Jersey Right To Know**

Limestone 1317-65-3 Titanium dioxide 13463-67-7

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cristobalite 14464-46-1 Quartz (SiO2) 14808-60-7 Distillates (petroleum), hydrotreated heavy naphthenic: 64742-52-5

Distillates (petroleum), hydrotreated heavy naphthenic; Baseoil — unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100oF (19cSt at 40 oC). It contains relatively few normal paraffins.]

#### California Prop. 65

WARNING: This product can expose you to chemicals including 4-vinyl cyclohexene, which is/are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

#### The ingredients of this product are reported in the following inventories:

TSCA : All chemical substances in this product are either listed as

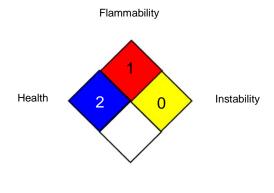
active on the TSCA Inventory or are in compliance with a

TSCA Inventory exemption.

#### **SECTION 16. OTHER INFORMATION**

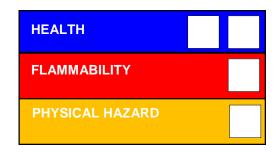
#### **Further information**

### NFPA 704:



Special hazard

### HMIS® IV:



HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

## Full text of other abbreviations

29 CFR 1910.1000 (Table Z- : OSHA - Table Z-1-A (29 CFR 1910.1000)

1-Δ)

29 CFR 1910.1000 (Table Z- : OSHA - Table Z-1 (Limits for Air Contaminants) 29 CFR

) 1910.1000

29 CFR 1910.1000 (Table Z- : OSHA Table Z-3 (Mineral Dusts) 29 CFR 1910.1000

3)

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29 CFR 1910.1001-1050 OSHA - Specifically Regulated Substances (29 CFR

1910.1001-1050)

USA. ACGIH Threshold Limit Values (TLV) **ACGIH** 

**ACGIHTLV** American Conference of Governmental Industrial Hygienists -

threshold limit values (US)

NIOSH Pocket Guide to Chemical Hazards (US) NIOSH NIOSH REL USA. NIOSH Recommended Exposure Limits OSHA Specifically Regulated Chemicals/Carcinogens OSHA CARC

USA. OSHA - TABLE Z-1 Limits for Air Contaminants -OSHA P0

1910.1000

USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim-OSHA Z-1

its for Air Contaminants

OSHA Z-3 USA. Occupational Exposure Limits (OSHA) - Table Z-3 Min-

eral Dusts

29 CFR 1910.1000 (Table Z- :

1-A) / TWA value

Time Weighted Average (TWA):

29 CFR 1910.1000 (Table Z- : Permissible exposure limit

1) / PEL

29 CFR 1910.1000 (Table Z- : Time Weighted Average (TWA):

3) / TWA value

29 CFR 1910.1001-1050 /

OSHA Action level:

OSHA Action level

29 CFR 1910.1001-1050 / Time Weighted Average (TWA):

TWA value

ACGIH / TWA 8-hour, time-weighted average ACGIHTLV / TWA value Time Weighted Average (TWA): NIOSH / REL value Recommended exposure limit (REL):

NIOSH REL / TWA Time-weighted average concentration for up to a 10-hour

workday during a 40-hour workweek

Permissible exposure limit (PEL) OSHA CARC / PEL OSHA P0 / TWA 8-hour time weighted average OSHA Z-1 / TWA 8-hour time weighted average OSHA Z-3 / TWA 8-hour time weighted average

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule: ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System: IARC - International Agency for Research on Cancer; IATA - International Air Transport Association: IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI -Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New



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Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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