

SECTION 1: Identification

1.1 GHS Product identifier

Product name Versashield SOLO Fire Resistant Slip Sheet

1.4 Supplier's details

Name Siplast

Address 14911 Quorum Drive

Suite 600

Dallas, TX 75254

Telephone 800-922-8800

1.5 Emergency phone number 800-424-9300 (CHEMTREC)

SECTION 2: Hazard identification

General hazard statement

As defined in the OSHA Hazard Communication Standard, 29 CFR 1910.1200, the products listed below are considered articles and do not require an SDS. In addition, articles are not included in the scope of the Globally Harmonization System (GHS). As such, the GHS labeling elements are not included on this SDS. All components listed for this product are bound within the product. When handled as intended and under normal conditions of use, there is no evidence that any of the ingredients are released in amounts that pose a significant health risk. Although these products are not subject to the OSHA Standard or GHS labeling elements, GAF would like to disclose as much health and safety information as possible to ensure that this product is handled and used properly. This SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and be made available for employees and other users of this product. In addition, the recommendations for handling and use of these products should be included in worker training programs.

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

Not a hazardous substance or mixture.

2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards which do not result in classification

PRIMARY ROUTE OF EXPOSURE: Skin contact, Eye contact

SIGNS & SYMPTONS OF EXPOSURE

EYES: Potential for eye irritation.

SKIN: Potential for skin irritation.

INGESTION: Not expected to be ingested.

INHALATION: Not a source of exposure.

ACUTE HEALTH HAZARDS: Excessive grinding or abrasion of this product may create airborne dust and

fiber concentrations in excess of exposure limits. Exposure to

concentrations in excess of the exposure limits may cause severe respiratory irritation, skin

irritation and/or eye irritation.

CHRONIC HEALTH HAZARD: Repeated and/or prolonged exposure to dust and fibers at concentrations in

excess of exposure limits may result in respiratory damage.

chronic skin irritation and/or eye injury.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Limestone

Concentration Not specified EC no. 215-279-6 CAS no. 1317-65-3

2. GRAPHITE powder

Concentration Not specified EC no. 231-955-3 CAS no. 7782-42-5

3. Glass Beads

Concentration Not specified EC no. 266-046-0 CAS no. 65997-17-3

4. Aluminum hydroxide

Concentration Not specified EC no. 244-492-7 CAS no. 21645-51-2

5. Sulfuric acid

 Concentration
 Not specified

 EC no.
 231-639-5

 CAS no.
 7664-93-9

 Index no.
 016-020-00-8

- Skin corrosion/irritation, Cat. 1A

H314 Causes severe skin burns and eye damage

SCLs/M-factors/ATEs Skin Corr. 1A; H314: $C \ge 15\%$ Skin Irrit. 2; H315: $5\% \le C < 15\%$

Eye Irrit. 2; H319: 5 $\% \le C < 15 \%$

6. Nitric acid

 Concentration
 Not specified

 EC no.
 231-714-2

 CAS no.
 7697-37-2

 Index no.
 007-004-00-1

- Corrosive to metals, Cat. 1

- Skin corrosion/irritation, Cat. 1A

- Eye damage/irritation, Cat. 1

- Oxidizing liquids, Cat. 2

- Acute toxicity, dermal, Cat. 3

- Acute toxicity, inhalation, Cat. 1

H272 May intensify fire; oxidizer
H290 May be corrosive to metals
H311 Toxic in contact with skin

H314 Causes severe skin burns and eye damage

H318 Causes serious eye damage

H330 Fatal if inhaled

SCLs/M-factors/ATEs Ox. Liq. 2; H272: C ≥ 99 %

Ox. Liq. 3; H272: 65 % ≤ C < 99 % Skin Corr. 1A; H314: C ≥ 20 % Skin Corr. 1B; H314: 5 % ≤ C < 20 %

7. Silica, crystalline

Concentration Not specified EC no. 238-878-4 CAS no. 14808-60-7

- Carcinogenicity, Cat. 1A

- Specific target organ toxicity (repeated exposure), Cat. 1

8. Non-Hazardous Ingredients

Concentration Not specified

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

If inhaled Remove affected persons from source of exposure. Seek medical attention if

irritation persists or if affected persons develop breathing difficulties.

In case of skin contact Flush with clean water for at least 15 minutes. Seek medical attention if

irritation persists.

In case of eye contact Flush with clean water for at least 15 minutes. Seek medical attention if

irritation persists.

If swallowed This product is not intended for consumption or direct contact with any type

of food or beverage. Seek medical attention if this product is ingested.

Personal protective equipment for first-aid responders

None.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Water, Foam, Dry Chemical, Sand and Carbon Dioxide

5.2 Specific hazards arising from the chemical

Carbon dioxide and carbon monoxide.

5.3 Special protective actions for fire-fighters

Treat with generally accepted practices for combustible products.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Collect spilled material in appropriate containers for reuse or disposal. Avoid dry sweeping and other spill removal procedures that may create airborne dust and fibers.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

No specific handling or storage requirements.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Limestone (CAS: 1317-65-3)

PEL (Inhalation): see PNOR (Cal/OSHA) OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 15 mg/m3 (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 10 mg/m3 (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 10 mg/m3 (NIOSH) OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m3 (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m3 (Cal/OSHA) OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 5 mg/m3 (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): see PNOR (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 15 mg/m3 (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 10 mg/m3 (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 10 mg/m3 (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m3 (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m3 (Cal/OSHA)
OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 5 mg/m3 (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): See PNOR (Cal/OSHA) OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 15 mg/m3 (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 10 mg/m3 (Cal/OSHA) OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 10 mg/m3 (NIOSH)
OSHA Annotated Table Z-1, www.osha.gov

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PEL (Inhalation): 5 mg/m3 (OSHA) OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m3 (Cal/OSHA) OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 5 mg/m3 (NIOSH)

OSHA Annotated Table Z-1, www.osha.gov

2. GRAPHITE powder (CAS: 7782-42-5)

PEL (Inhalation): See Annotated Z-3 ppm (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): See Annotated Z-3 mg/m3 (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): See Annotated Z-3 (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): See Annotated Z-3 (NIOSH) OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 15 mg/m3 (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 10 mg/m3 (Cal/OSHA) OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): See Appendix D (NIOSH) OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m3 (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 5 mg/m3 (Cal/OSHA) OSHA Annotated Table Z-1, www.osha.gov

TWA (Inhalation): 3 mg/m3; Australia (AU/SWA)

Notes: (e)

3. Sulfuric acid (CAS: 7664-93-9 EC: 231-639-5)

PEL (Inhalation): 1 mg/m3 (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 0.1 mg/m3, (ST) 3 mg/m3 (Cal/OSHA)

OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): 1 mg/m3; USA (NIOSH) OSHA Annotated Table Z-1, www.osha.gov

TLV® (Inhalation): 0.2 mg/m3, (Thor.); USA (ACGIH)

OSHA Annotated Table Z-1. www.osha.gov

TWA (Inhalation): 0.2 mg/m3; USA (ACGIH) USA. ACGIH Threshold Limit Values (TLV)

TWA (Inhalation): 1 mg/m3; USA (OSHA)

USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000

TWA (Inhalation): 1 mg/m3; Australia (AU/SWA)

STEL (Inhalation): 3 mg/m3; Australia (AU/SWA)

4. Nitric acid (CAS: 7697-37-2)

TLV® (Inhalation): 2 ppm (ACGIH)

Upper Respiratory Tract irritation. Eye irritation. Dental erosion

STEL (Inhalation): 4 ppm (ACGIH)

Upper Respiratory Tract irritation. Eye irritation. Dental erosion

REL-TWA (Inhalation): 2 ppm. 5 mg/m3 (NIOSH)

REL-ST (Inhalation): 4 ppm. 10 mg/m3 (NIOSH)

PEL-TWA (Inhalation): 2 ppm. 5 mg/m3 (OSHA)

PEL-TWA (Inhalation): 2 ppm. 5 mg/m3 (Cal/OSHA)

PEL-ST (Inhalation): 4 ppm. 10 mg/m3 (Cal/OSHA)

TWA (Inhalation): 2 ppm; 5.2 mg/m3; Australia (AU/SWA)

STEL (Inhalation): 4 ppm; 10 mg/m3; Australia (AU/SWA)

5. Silica, crystalline (CAS: 14808-60-7 EC: 238-878-4)

PEL-TWA (Inhalation): 10 mg/m3 / (% Silica + 2) respirable 30 mg/m3 / (% Silica + 2) total (OSHA)

OSHA Annotated Table Z-1, www.osha.gov

PEL (Inhalation): 0.05 mg/m3 (Cal/OSHA) OSHA Annotated Table Z-1, www.osha.gov

REL (Inhalation): Ca 0.05 mg/m3 (NIOSH) OSHA Annotated Table Z-1, www.osha.gov

TLV® (Inhalation): 0.025 mg/m3 (resp.) for α-quartz and cristobalite (ACGIH)

TWA (Inhalation): 0.05 mg/m3; Australia (AU/SWA)

Advisory carc cat: Carc. 1A; Other advisory: -; Notes: See Silica - Crystalline

8.2 Appropriate engineering controls

Use of this product is not anticipated to require more than general room ventilation during normal conditions of use that are in accordance with the manufacturer's specified applications. However, use of this product in other applications not specified by the manufacturer could potentially generate airborne dust and fibers that may require additional mechanical exhaust to prevent employee overexposures. Excessive grinding or abrasion of this product may create airborne dust and fiber concentrations in excess of exposure limits. If employee exposures exceed the exposure limits, local exhaust ventilation or other mechanical ventilation systems may be required to reduce such exposures to concentrations below the exposure limits.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Wear safety glasses with sideshields or safety goggles.

Skin protection

Wear sturdy work gloves and intact clothing with long sleeves and long pants.

Body protection

OTHER PROTECTIVE EQUIPMENT: Wear appropriate closed-toe shoes or boots.

WORK HYGIENIC PRACTICES: Employees should avoid eating, drinking, chewing, smoking, taking medication and applying cosmetics in work areas where this product is being installed or removed. Employees should wash their hands and other exposed areas of skin after handling this product and before smoking or consuming anything. Employees should shower at the end of each work shift after installing or removing this product. Work clothing should be washed separately and the washing machine should be wiped out at the end of the washing cycle.

Respiratory protection

If employee exposures exceed applicable exposure limits, respiratory protection should be worn. Only NIOSH-approved respirators should be worn. Selection and use of specific respirators should meet applicable standards set by state and Federal OSHA standards for respiratory protection and for the specific substances and concentrations to which employees are exposed.

Environmental exposure controls

None.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Appearance

Color Odor

Odor threshold

Melting point/freezing point

Boiling point or initial boiling point and boiling range

Flammability

Lower and upper explosion limit/flammability limit

Flash point

Explosive properties

Blue-colored, mineral-filled mat

Blue Odorless

No data available.

No data available. No data available.

No data available. No data available.

No data available.

No data available.

Auto-ignition temperature Decomposition temperature

Oxidizing properties рΗ

Kinematic viscosity

Solubility

Partition coefficient n-octanol/water (log value)

Vapor pressure Evaporation rate

Density and/or relative density

Relative vapor density

Particle characteristics

No data available.

No data available. No data available. No data available.

No data available.

No data available.

Insoluble

No data available. No data available. No data available. No data available. No data available.

SECTION 10: Stability and reactivity

10.2 Chemical stability

Thermal Stability: Stable.

10.3 Possibility of hazardous reactions

Will not occur.

10.4 Conditions to avoid

None.

10.5 Incompatible materials

Strong acids will react with the limestone component releasing carbon dioxide gas.

10.6 Hazardous decomposition products

Carbon Monoxide, Carbon Dioxide and Hydrocarbons will result from incomplete combustion of the organic binder if involved in a fire.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

No information available.

Skin corrosion/irritation

No information available.

Serious eye damage/irritation

No information available.

Respiratory or skin sensitization

No information available.

Germ cell mutagenicity

No information available.

Carcinogenicity

The International Agency for Research on Cancer (IARC) and the National Toxicology Program (NTP) have determined that there is sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the form

of quartz or cristobalite. In addition, IARC has determined that there is sufficient evidence for the carcinogenicity of quartz and cristobalite in experimental animals. Among individuals with silicosis, lung cancer occurs more frequently in those who smoke.

Sulfuric acid contained in strong inorganic acids mists is classified as a group 1 carcinogen (carcinogenic to humans) by the International Agency for Research on Cancer (IARC).

Reproductive toxicity

No information available.

Specific target organ toxicity (STOT) - single exposure

No information available.

Specific target organ toxicity (STOT) - repeated exposure

No information available.

Aspiration hazard

No information available.

SECTION 12: Ecological information

Toxicity

No data available.

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

No data available.

Endocrine disrupting properties

No data available.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Comply with state and local regulations for disposal.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

New Jersey Right To Know Components

Common name: CALCIUM CARBONATE

CAS number: 1317-65-3

Pennsylvania Right To Know Components

Chemical name: Limestone CAS number: 1317-65-3

Canadian Non-Domestic Substances List (NDSL)

Chemical name: Limestone

CAS: 1317-65-3

New Jersey Right To Know Components

Common name: GRAPHITE (NATURAL)

CAS number: 7782-42-5

Pennsylvania Right To Know Components

Chemical name: Graphite CAS number: 7782-42-5

Canadian Domestic Substances List (DSL)

Chemical name: Graphite

CAS: 7782-42-5

Canadian Domestic Substances List (DSL)

Chemical name: Glass, oxide, chemicals

CAS: 65997-17-3

New Jersey Right To Know Components

Aluminium hydroxide CAS-No. 21645-51-2

Pennsylvania Right To Know Components

Aluminium hydroxide CAS-No. 21645-51-2

Canadian Domestic Substances List (DSL)

Chemical name: Aluminum hydroxide (Al(OH)3)

CAS: 21645-51-2

Canadian Domestic Substances List (DSL)

Chemical name: C.I. Pigment White 24

CAS: 8011-94-7

Massachusetts Right To Know Components

Sulfuric acid

CAS number: 7664-93-9

New Jersey Right To Know Components

Sulfuric acid

CAS number: 7664-93-9

Pennsylvania Right To Know Components

Sulfuric acid

CAS number: 7664-93-9

SARA 302 Components

The following components are subject to reporting levels established by SARA Title III, Section 302:

Sulfuric acid

CAS number: 7664-93-9

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:

Sulfuric acid

CAS number: 7664-93-9

SARA 311/312 Hazards

Acute Health Hazard, Chronic Health Hazard

California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer.

Sulfuric acid

CAS number: 7664-93-9

Canadian Domestic Substances List (DSL)

Chemical name: Sulfuric acid

CAS: 7664-93-9

Massachusetts Right To Know Components

Chemical name: Nitric acid CAS number: 7697-37-2

New Jersey Right To Know Components

Common name: NITRIC ACID CAS number: 7697-37-2

Pennsylvania Right To Know Components

Chemical name: Nitric acid CAS number: 7697-37-2

Canadian Domestic Substances List (DSL)

Chemical name: Nitric acid

CAS: 7697-37-2

New Jersey Right To Know Components

Common name: SILICA, QUARTZ

CAS number: 14808-60-7

Massachusetts Right To Know Components

Chemical name: Quartz CAS number: 14808-60-7

California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer.

Quartz

CAS-No. 14808-60-7

Pennsylvania Right To Know Components

Chemical name: Quartz CAS number: 14808-60-7

Canadian Domestic Substances List (DSL)

Chemical name: Quartz (SiO2)

CAS: 14808-60-7

California Prop. 65 components

Chemical name: Silica, crystalline

CAS number: 14808-60-7 10/01/1988 - Cancer

SECTION 16: Other information

16.1 Further information/disclaimer

This information relates to the specific material designated and may not be valid for such material used on combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee, expressed or implied, is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license of valid patents.