# **SAFETY DATA SHEET**



#### 1. Identification

Product identifier VERSA-TECH 57A G ON-LINE

Other means of identification

Brand Code 585C

Synonyms WM-7818 GUN MIX \* 582C

**Recommended use** For Industrial or Professional Use Only

**Recommended restrictions** Avoid dry cutting, blasting, or dust generation.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name HarbisonWalker International

Address 1305 Cherrington Parkway, Suite 100

Moon Township, Pennsylvania 15108 US

**Telephone** General Phone: 412-375-6600

Website www.thinkHWI.com Emergency phone number Not available.

# 2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Carcinogenicity Category 1A

Specific target organ toxicity, repeated

exposure

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements



Signal word Danger

Hazard statement May cause cancer. Causes damage to organs through prolonged or repeated exposure.

**Precautionary statement** 

Prevention Obtain special instructions before use. Do not handle until all safety precautions have been read

and understood. Do not breathe dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective

Category 1

clothing/eye protection/face protection.

**Response** If exposed or concerned: Get medical advice/attention.

**Storage** Store away from incompatible materials.

**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazard(s) not otherwise

classified (HNOC)

None known.

**Supplemental information**Users should be informed of the potential presence of respirable dust and respirable crystalline

silica as well as their potential hazards. Overexposure to the respirable dust of crystalline silica (quartz or cristobalite, less than or equal to 5 microns in size) may lead to silicosis in humans, which is a progressive and irreversible lung disease. Appropriate training in the proper use and handling of this material should be provided as required under applicable regulations.

# 3. Composition/information on ingredients

#### **Mixtures**

| Chemical name           | Common name and synonyms | CAS number | %       |
|-------------------------|--------------------------|------------|---------|
| Andalusite (Al2O(SiO4)) |                          | 12183-80-1 | 50 - 70 |

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| Chemical name             | Common name and synonyms                 | CAS number | %         |
|---------------------------|--|------------|-----------|
| Mullite                   |  | 1302-93-8  | 10 - 25   |
| Aluminium Oxide (Non-Fibr | ous)                                     | 1344-28-1  | 2.5 - 10  |
| Amorphous Silica          | Fumed Silica<br>Silica, crystalline free | 7631-86-9  | 2.5 - 10  |
| Cement, Alumina, Chemica  | ls                                       | 65997-16-2 | 2.5 - 10  |
| Fumes, Silica             |  | 69012-64-2 | 2.5 - 10  |
| Quartz (SiO2)             |  | 14808-60-7 | 1 - 2.5   |
| Bentonite                 |  | 1302-78-9  | 0.1 - 2.5 |
| Other components below re | portable levels                          |            | 2.5 - 10  |

Crystalline silica may be present at low concentrations; most of this is encapsulated in the coarse aggregate or as part of the clays or sands.

#### 4. First-aid measures

**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact** Wash off with soap and water. Get medical attention if irritation develops and persists.

Prolonged exposure may cause chronic effects.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

**Ingestion** Rinse mouth. Get medical attention if symptoms occur.

Most important

symptoms/effects, acute and

delayed

Indication of immediate medical attention and special

medical attention and specia treatment needed Provide general supportive measures and treat symptomatically. Keep victim under observation.

Symptoms may be delayed.

**General information** If you feel unwell, seek medical advice (show the label where possible).

# 5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing

media

Not available.

Specific hazards arising from

the chemical

Not applicable.

Special protective equipment and precautions for firefighters

Not available.

# 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Methods and materials for containment and cleaning up

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Material can be slippery when wet. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. For personal protection, see section 8 of the SDS.

Stop the flow of material, if this is without risk. Following product recovery, flush area with water. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

**Environmental precautions** 

Avoid discharge into drains, water courses or onto the ground.

Use fire-extinguishing media appropriate for surrounding materials.

### 7. Handling and storage

Precautions for safe handling

Do not handle until all safety precautions have been read and understood. Keep formation of airborne dusts to a minimum. Provide appropriate exhaust ventilation at places where dust is formed. Do not breathe dust. Avoid prolonged exposure. When using, do not eat, drink or smoke. Should be handled in closed systems, if possible. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

# 8. Exposure controls/personal protection

#### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

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SDS US

| Components  | s for Air Contaminants (29 CFR 1910.1000)<br>Type   | Value                  | Form                 |
|---|---|------------------------|----------------------|
| Aluminium Oxide<br>(Non-Fibrous) (CAS<br>1344-28-1) | PEL   | 5 mg/m3                | Respirable fraction. |
| ,   |   | 15 mg/m3               | Total dust.          |
| Quartz (SiO2) (CAS<br>14808-60-7)                   | PEL   | 0.05 mg/m3             | Respirable dust.     |
| US. OSHA Table Z-3 (29 C Components                 | FR 1910.1000)<br>Type   | Value                  | Form                 |
| Aluminium Oxide<br>(Non-Fibrous) (CAS<br>1344-28-1) | TWA   | 5 mg/m3                | Respirable fraction. |
| 1011 20 1)  |   | 15 mg/m3               | Total dust.          |
|   |   | 50 mppcf               | Total dust.          |
|   |   | 15 mppcf               | Respirable fraction. |
| Amorphous Silica (CAS 7631-86-9)                    | TWA   | 0.8 mg/m3              |                      |
|   |   | 20 mppcf               |                      |
| Fumes, Silica (CAS 69012-64-2)                      | TWA   | 0.8 mg/m3              |                      |
| ,   |   | 20 mppcf               |                      |
| Quartz (SiO2) (CAS<br>14808-60-7)                   | TWA   | 0.1 mg/m3              | Respirable.          |
| ,   |   | 2.4 mppcf              | Respirable.          |
| US. ACGIH Threshold Lim Components                  | it Values<br>Type   | Value                  | Form                 |
| Aluminium Oxide<br>(Non-Fibrous) (CAS<br>1344-28-1) | TWA   | 1 mg/m3                | Respirable fraction. |
| Andalusite (Al2O(SiO4))<br>(CAS 12183-80-1)         | TWA   | 1 mg/m3                | Respirable fraction. |
| Mullite (CAS 1302-93-8)                             | TWA   | 1 mg/m3                | Respirable fraction. |
| Quartz (SiO2) (CAS<br>14808-60-7)                   | TWA   | 0.025 mg/m3            | Respirable fraction. |
| US. NIOSH: Pocket Guide                             |   | Walana                 | Form                 |
| Components  | Туре  | Value                  | Form                 |
| Amorphous Silica (CAS 7631-86-9)                    | TWA   | 6 mg/m3                |                      |
| Fumes, Silica (CAS 69012-64-2)                      | TWA   | 6 mg/m3                |                      |
| Quartz (SiO2) (CAS<br>14808-60-7)                   | TWA   | 0.05 mg/m3             | Respirable dust.     |
| ogical limit values                                 | No biological exposure limits noted for the ingr  | redient(s).            |                      |
| osure guidelines                                    | Occupational exposure to nuisance dust (total should be monitored and controlled. Occupationand respirable crystalline silica should be mon   | onal exposure to nuisa |                      |
| ropriate engineering<br>trols                       | Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. |                        |                      |
| vidual protection measure<br>Eye/face protection    | s, such as personal protective equipment Wear safety glasses with side shields (or gogg   | ıles).                 |                      |
| -   | . 3-33  | ,                      |                      |
| Skin protection Hand protection                     | Wear appropriate chemical resistant gloves.   |                        |                      |
|   |   |                        |                      |

Other Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

exceeding the exposure limits.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.









General hygiene considerations

Observe any medical surveillance requirements. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

**Appearance** 

Physical state Solid.
Form Solid.

Color Not available.
Odor Not available.
Odor threshold Not available.
pH Not available.
Melting point/freezing point Not available.
Initial boiling point and boiling Not available.

range

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower Not

(%)

Not available.

Flammability limit - upper

(%)

Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressureNot available.Vapor densityNot available.Relative densityNot available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient Not available.

(n-octanol/water)

Auto-ignition temperatureNot available.Decomposition temperatureNot available.ViscosityNot available.

Other information

Explosive properties Not explosive.

Oxidizing properties Not oxidizing.

### 10. Stability and reactivity

**Reactivity** The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous

reactions

No dangerous reaction known under conditions of normal use.

Conditions to avoid Contact with incompatible materials.

Incompatible materials Acids. Chlorine.

Incompatibility is based strictly upon potential theoretical reactions between chemicals and may

not be specific to industrial application exposure.

Hazardous decomposition

products

No hazardous decomposition products are known.

### 11. Toxicological information

#### Information on likely routes of exposure

**Inhalation** Prolonged inhalation may be harmful.

Skin contact

No adverse effects due to skin contact are expected.

Eye contact

Direct contact with eyes may cause temporary irritation.

**Ingestion** Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics

Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects

Acute toxicity Not known.

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye Direct contact with eyes may cause temporary irritation.

irritation

Respiratory or skin sensitization

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity**No data available to indicate product or any components present at greater than 0.1% are

mutagenic or genotoxic.

Carcinogenicity In 1997, IARC (the International Agency for Research on Cancer) concluded that crystalline silica

inhaled from occupational sources can cause lung cancer in humans. However in making the overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial

overall evaluation, IARC noted that "carcinogenicity was not detected in all industrial circumstances studied. Carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting its biological activity or distribution of its polymorphs." (IARC Monographs on the evaluation of the carcinogenic risks of chemicals to humans, Silica, silicates dust and organic fibres, 1997, Vol. 68, IARC, Lyon, France.) In June 2003, SCOEL (the EU Scientific Committee on Occupational Exposure Limits) concluded that the main effect in humans of the inhalation of respirable crystalline silica dust is silicosis. "There is sufficient information to conclude that the relative risk of lung cancer is increased in persons with silicosis (and, apparently, not in employees without silicosis exposed to silica dust in quarries and in the ceramic industry). Therefore, preventing the onset of silicosis will also reduce the cancer risk..." (SCOEL SUM Doc 94-final, June 2003) According to the current state of the art, worker protection against silicosis can be consistently assured by respecting the existing regulatory occupational exposure limits. May cause cancer. Occupational exposure to respirable dust and

respirable crystalline silica should be monitored and controlled.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

Amorphous Silica (CAS 7631-86-9)

3 Not classifiable as to carcinogenicity to humans.

3 Not classifiable as to carcinogenicity to humans.

3 Not classifiable as to carcinogenicity to humans.

Quartz (SiO2) (CAS 14808-60-7) 1 Carcinogenic to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Quartz (SiO2) (CAS 14808-60-7) Cancer US. National Toxicology Program (NTP) Report on Carcinogens

Quartz (SiO2) (CAS 14808-60-7) Known To Be Human Carcinogen.

**Reproductive toxicity**This product is not expected to cause reproductive or developmental effects.

**Developmental effects** 

Specific target organ toxicity - Not classified.

single exposure

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Specific target organ toxicity -

repeated exposure

Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard

Not an aspiration hazard.

**Chronic effects** 

Causes damage to organs through prolonged or repeated exposure. Prolonged inhalation may be

harmful. Prolonged exposure may cause chronic effects.

### 12. Ecological information

**Ecotoxicity** 

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability

No data is available on the degradability of any ingredients in the mixture.

Bioaccumulative potential Mobility in soil

No data available.

No data available.

Other adverse effects

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

### 13. Disposal considerations

**Disposal instructions** 

This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste.

Hazardous waste code

Since this product is used in several industries, no Waste Code can be provided by the supplier. The Waste Code should be determined in arrangement with your waste disposal partner or the responsible authority.

Waste from residues / unused

products

Not available.

Contaminated packaging

Not available.

### 14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

**IMDG** 

Not regulated as dangerous goods.

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

Not applicable.

the IBC Code

# 15. Regulatory information

**US federal regulations** 

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All chemical substances in this product are listed on the TSCA chemical substance inventory where required.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)** 

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Quartz (SiO2) (CAS 14808-60-7)

Cancer

lung effects

immune system effects

kidney effects

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous Yes

chemical

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Classified hazard Carcinogenicity

categories Specific target organ toxicity (single or repeated exposure)

#### SARA 313 (TRI reporting)

| Chemical name                 | CAS number | % by wt. |  |
|-------------------------------|------------|----------|--|
| Aluminium Oxide (Non-Fibrous) | 1344-28-1  | 2.5 - 10 |  |

#### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

## Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

#### **US** state regulations

#### California Proposition 65



WARNING: This product can expose you to chemicals including Quartz (SiO2): Quartz (SiO2); Quartz (SiO2),

which is known to the State of California to cause cancer. For more information go

to www.P65Warnings.ca.gov.

#### California Proposition 65 - CRT: Listed date/Carcinogenic substance

Inventory name

Quartz (SiO2) (CAS 14808-60-7) Listed: October 1, 1988 Titanium Dioxide (CAS 13463-67-7) Listed: September 2, 2011

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Quartz (SiO2) (CAS 14808-60-7)

#### **International Inventories**

Country(s) or region

| Australia   | Australian Inventory of Chemical Substances (AICS)                     | No  |
|-------------|--|-----|
| Canada      | Domestic Substances List (DSL)   | No  |
| Canada      | Non-Domestic Substances List (NDSL)                                    | Yes |
| China       | Inventory of Existing Chemical Substances in China (IECSC)             | No  |
| Europe      | European Inventory of Existing Commercial Chemical Substances (EINECS) | No  |
| Europe      | European List of Notified Chemical Substances (ELINCS)                 | No  |
| Japan       | Inventory of Existing and New Chemical Substances (ENCS)               | No  |
| Korea       | Existing Chemicals List (ECL)  | Yes |
| New Zealand | New Zealand Inventory  | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | No  |
| Taiwan      | Taiwan Chemical Substance Inventory (TCSI)                             | No  |
|             |  |     |

<sup>\*</sup>A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Toxic Substances Control Act (TSCA) Inventory

## 16. Other information, including date of preparation or last revision

Issue date 09-03-2019 09-17-2019 **Revision date** Version # 02

United States & Puerto Rico

Disclaimer This information is based on our present knowledge on creation date. However, this shall not

constitute a guarantee for any specific product features and shall not establish a legally valid

contractual relationship.

Product and Company Identification: Product and Company Identification **Revision information** 

Composition / Information on Ingredients: Ingredients

Yes

On inventory (yes/no)\*