



18865 Goll St. • San Antonio, TX 78266 • PH 210.654.7171 • FAX 210.654.3113
1.800.TO.COOLU (862-6658) • www.vintageair.com

Safety Data Sheet (SDS)

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 04/30/2019

Reviewed on 04/30/2019

1 Identification

- **Product Identifier**
- **Trade Name:** ABS Cement
- **Relevant identified uses of the substance or mixture and uses advised against:**
- **Product Description:** Cement
- **Application of the substance / the mixture:** Industry Specific Application
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
Vintage Air
18865 Goll St.
San Antonio, TX 78266
P: 210-654-7171
F: 210-654-3113
1-800-TO-COOLU (862-6658)
www.vintageair.com
- **Emergency telephone number:** CHEMTREC: 1-800-424-9300

2 Hazard(s) Identification

- **Classification of the substance or mixture:**



Health hazard

Carc. 1A H350 May cause cancer.



Eye Irrit. 2A H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.

- **Label elements:**
- **Hazard pictograms:**



- **Signal word:** Danger
- **Hazard-determining components of labeling:**
Titanium Dioxide
Acetone
Silica
- **Hazard statements:**
H319 Causes serious eye irritation.
H350 May cause cancer.
H336 May cause drowsiness or dizziness.
- **Precautionary statements:**

P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash thoroughly after handling.



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- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P312 Call a poison center/doctor if you feel unwell.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

• **Unknown acute toxicity:**

This value refers to knowledge of known, established toxicological or ecotoxicological values.
2.3 % of the mixture consists of component(s) of unknown toxicity.

• **Classification system:** NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

• **NFPA ratings (scale 0 - 4)**



• **HMIS-ratings (scale 0 - 4)**



• **Hazard(s) not otherwise classified (HNOC):** None known

3 Composition/Information on Ingredients

• **Chemical characterization: Mixtures**

• **Description:** Mixture of substances listed below with non-hazardous additions.

• **Dangerous Components:**

CAS: 67-64-1 RTECS: AL 3150000	Acetone ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2A, H319; STOT SE 3, H336	40-60%
CAS: 13463-67-7	Titanium Dioxide ⚠ Carc. 2, H351	15-35%
CAS: 1317-95-9	Silica ⚠ Carc. 1A, H350; ⚠ STOT SE 3, H335	≤2.5%
CAS: 100-42-5 RTECS: WL 3675000	Styrene ⚠ Flam. Liq. 3, H226; ⚠ Carc. 2, H351; Repr. 2, H361; STOT RE 1, H372; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319	≤2.5%

• **Additional information:**

The exact percentages of the ingredients of this mixture are considered to be proprietary and are withheld in accordance with the provisions of paragraph (i) of §1910.1200 of 29 CFR 1910.1200 Trade Secrets.

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4 First-Aid Measures

- **Description of first aid measures**
- **General information:**
Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.
- **After inhalation:**
Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in the side position for transportation.
- **After skin contact:**
Wash with soap and water.
If skin irritation occurs, consult a doctor.
- **After eye contact:**
Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult a doctor.
If easy to do so, remove contact lenses if worn.
- **After swallowing:**
Do not induce vomiting without medical advice.
If swallowed and symptoms occur, consult a doctor.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed:**
No further relevant information available.

* 5 Fire-Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
Use fire fighting measures that suit the environment.
- **For safety reasons unsuitable extinguishing agents:** No further relevant information is available.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Advice for firefighters**
- **Special protective equipment for firefighters:**
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

* 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.
- **Environmental precautions:** Do not allow to enter sewers/surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to section 13.
Ensure adequate ventilation.
Dispose of the collected material according to regulations.
- **Reference to other sections:**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**
PAC values marked with a subscript "A" correspond to 60-minute AEGL values.
PAC values marked with a subscript "E" correspond to ERPG values.
PAC values marked by * are $\geq 10\%$ lower explosive limit (LEL) but $< 50\%$ LEL.

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PAC values marked by ** are > 50% LEL but < 100% LEL.
PAC values marked by *** are ≥ LEL.

· PAC-1:		
67-64-1	Acetone	200 ppm
13463-67-7	Titanium Dioxide	30 mg/m ³
100-42-5	Styrene	20 ppm
· PAC-2:		
67-64-1	Acetone	3200* ppm
13463-67-7	Titanium Dioxide	330 mg/m ³
100-42-5	Styrene	130 ppm
· PAC-3:		
67-64-1	Acetone	5700* ppm
13463-67-7	Titanium Dioxide	2,000 mg/m ³
100-42-5	Styrene	1100* ppm

7 Handling and Storage

- **Handling**
- **Precautions for safe handling:**
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Store in a dry, cool and well ventilated space away from heat and flame.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.
- **Specific end use(s):** No further relevant information available.

8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**
- **Components with 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 remaining constituents have no known exposure limits.

67-64-1 Acetone	
PEL	Long-term value: 2400 mg/m ³ , 1000 ppm
REL	Long-term value: 590 mg/m ³ , 250 ppm
TLV	Short-term value: 1187 mg/m ³ , 500 ppm
BEI	Long-term value: 594 mg/m ³ , 250 ppm

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1317-95-9 Silica	
PEL	see Quartz listing
REL	Long-term value: 0.05* mg/m ³ *respirable dust; See Pocket Guide App. A
TLV	TLV withdrawn
100-42-5 Styrene	
PEL	Long-term value: 100 ppm Ceiling limit value: 200; 600* ppm *5-min peak in any 3 hrs
REL	Short-term value: 425 mg/m ³ , 100 ppm Long-term value: 215 mg/m ³ , 50 ppm
TLV	Short-term value: 170 mg/m ³ , 40 ppm Long-term value: 85 mg/m ³ , 20 ppm BEI
· Ingredients with biological limit values:	
67-64-1 Acetone	
BEI	50 mg/L urine end of shift Acetone (nonspecific)
100-42-5 Styrene	
BEI	400 mg/g creatinine urine end of shift Mandelic acid plus phenylglyoxylic acid (nonspecific) 0.2 mg/L venous blood end of shift Styrene (semi-quantitative)

· **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

· **Exposure controls:**

· **Personal protective equipment**

· **General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing and wash before reuse.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Breathing equipment:** Not required.

· **Protection of hands:**



Protective gloves

Not required.

· **Material of gloves:** Not applicable.



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- **Penetration time of glove material:** Not applicable.
- **Eye protection:** Not required.

9 Physical and Chemical Properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

- **Form:** Semi-solid
- **Color:** White
- **Odor:** Characteristic
- **Odor threshold:** Not determined.

- **pH-value:** Not applicable.

· Change in condition

- **Melting point/Melting range:** Not determined.
- **Boiling point/Boiling range:** Not determined.

- **Flash point:** Flammable

- **Flammability (solid, gaseous):** Not applicable.

- **Ignition temperature:** Not applicable

- **Decomposition temperature:** Not determined.

- **Auto igniting:** Product is not self-igniting.

- **Danger of explosion:** Product does not present an explosion hazard.

· Explosion limits:

- **Lower:** Not determined.
- **Upper:** Not determined.

- **Vapor pressure:** Not determined.

· Density:

- **Relative density:** Not determined.
- **Vapor density:** Not determined.
- **Evaporation rate:** Not determined.

· Solubility in / Miscibility with:

- **Water:** Not miscible or difficult to mix.

- **Partition coefficient (n-octanol/water):** Not determined.

· Viscosity:

- **Dynamic:** Not determined.
- **Kinematic:** Not determined.

· Solvent content:

- **Organic solvents:** 55.5 %
- **VOC content:** 0.45 %

- **Other information:** No further relevant information available.

10 Stability and Reactivity

- **Reactivity:** No further relevant information available.

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- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:**
Avoid open flame. Product may ignite at temperatures in excess of 400 F.
High temperatures.
- **Incompatible materials:** Strong acids, strong bases
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological Information

Information on toxicological effects:

Acute toxicity:

LD/LC50 values that are relevant for classification:

67-64-1 Acetone

Oral	LD50	5,800 mg/kg (Rat)
Dermal	LD50	20,000 mg/kg (Rabbit)
Inhalative	LC50/4 h	5,549 mg/l (Trout) (96 hr)

13463-67-7 Titanium Dioxide

Oral	LD50	>10,000 mg/kg (Rat)
Dermal	LD50	>10,000 mg/kg (Rabbit)
Inhalative	LC50/4 h	>6.82 mg/l (Rat)

100-42-5 Styrene

Oral	LD50	2,650 mg/kg (Rat)
Inhalative	LC50/4 h	12 mg/l (Rat)

Primary irritant effect:

- **On the skin:** No irritating effect.
- **On the eye:** Irritating effect.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

Carcinogenic categories:

IARC (International Agency for Research on Cancer):

(a) Although IARC has classified titanium dioxide as possible carcinogenic to human (2B), their summary concludes: "No significant exposure to titanium dioxide is thought to occur during the use of products which titanium dioxide is bound to other materials, such as in cosmetics or in paints."

(b) OSHA does not regulate Titanium Dioxide as a carcinogen. However, under 29 CFR 1910.1200 the SDS must convey the fact that Titanium Dioxide is a potential carcinogen to rats.

- Group 1 - Carcinogenic to humans
- Group 2A - Probably carcinogenic to humans
- Group 2B - Possibly carcinogenic to humans
- Group 3 - Not classifiable as to its carcinogenicity to humans
- Group 4 - Probably not carcinogenic to humans

13463-67-7	Titanium Dioxide	2B
1317-95-9	Silica	1
9003-54-7	2-propenenitrile, polymer with ethenylbenzene	3

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100-42-5 Styrene	2B
· NTP (National Toxicology Program):	
100-42-5 Styrene	R
· OSHA-Ca (Occupational Safety & Health Administration):	
None of the ingredients are listed.	

12 Ecological Information

- Toxicity:**
- Aquatic toxicity:**
- 67-64-1 Acetone**
- EC50 6,100 mg/l (Pimephales) (48 hr)
- 13463-67-7 Titanium Dioxide**
- EC50 >1,000 mg/l (Water flea)
- 100-42-5 Styrene**
- EC50 4.7 mg/l (Water flea)
- 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:**
Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.
- Results of PBT and vPvB assessment:**
- PBT:** Not applicable.
- vPvB:** Not applicable.
- Other adverse effects:** No further relevant information available.

13 Disposal Considerations

- Waste treatment methods**
- Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Observe all federal, state and local environmental regulations when disposing of this material.
- Uncleaned packaging**
- Recommendation:** Disposal must be made according to official regulations.

14 Transport Information

- UN-Number:** UN3178
- DOT, ADR/ADN, IMDG, IATA**
- UN proper shipping name:** Flammable solid, inorganic, n.o.s.
- DOT** UN3178 Flammable solid, inorganic, n.o.s.
- ADR/ADN** FLAMMABLE SOLID, INORGANIC, N.O.S.
- IMDG, IATA**

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- **Transport hazard class(es):**
- **DOT**



- **Class:** 4.1 Flammable solids, self-reactive substances and solid desensitised explosives
- **Label:** 4.1

- **ADR/ADN**



- **Class:** 4.1 (F3) Flammable solids, self-reactive substances and solid desensitised explosives
- **Label:** 4.1

- **IMDG, IATA**



- **Class:** 4.1 Flammable solids, self-reactive substances and solid desensitised explosives
 - **Label:** 4.1
 - **Packing group:**
 - **DOT, ADR/ADN, IMDG, IATA** II
 - **Environmental hazards:** Not applicable.
 - **Special precautions for user:** Warning: Flammable solids, self-reactive substances and solid desensitised explosives
 - **Danger code (Kemler):** 40
 - **EMS Number:** F-A,S-G
 - **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
 - **Transport/Additional information:**
 - **DOT**
 - **Quantity limitations:** On passenger aircraft/rail: 15 kg
On cargo aircraft only: 50 kg
-
- **ADR/ADN**
 - **Excepted quantities (EQ):** Code: E2
Maximum net quantity per inner packaging: 30 ml
Maximum net quantity per outer packaging: 500 ml
-
- **IMDG**
 - **Limited quantities (LQ):** 1 kg

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· **Excepted quantities (EQ):**

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· **UN "Model Regulation":**

UN 3178 FLAMMABLE SOLID, INORGANIC, N.O.S., 4.1, II

15 Regulatory Information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture:**

· **SARA (Superfund Amendments and Reauthorization):**

· **Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

· **Section 313 (Specific toxic chemical listings):**

100-42-5 Styrene

· **TSCA (Toxic Substances Control Act):**

67-64-1 Acetone

ACTIVE

13463-67-7 Titanium Dioxide

ACTIVE

9003-54-7 2-propenenitrile, polymer with ethenylbenzene

ACTIVE

100-42-5 Styrene

ACTIVE

· **Hazardous Air Pollutants**

100-42-5 Styrene

· **California Proposition 65:**

· **Chemicals known to cause cancer:**

13463-67-7 Titanium Dioxide

100-42-5 Styrene

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients are listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients are listed.

· **New Jersey Right-to-Know List:**

All ingredients are listed.

· **New Jersey Special Hazardous Substance List:**

67-64-1 Acetone

F3

1317-95-9 Silica

CA

100-42-5 Styrene

CA, F3, R2

· **Pennsylvania Right-to-Know List:**

67-64-1 Acetone

13463-67-7 Titanium Dioxide

1317-95-9 Silica

100-42-5 Styrene

· **Pennsylvania Special Hazardous Substance List:**

67-64-1 Acetone

E



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100-42-5	Styrene	E
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· **Carcinogenic categories:**

· **EPA (Environmental Protection Agency):**

67-64-1	Acetone	I
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· **TLV (Threshold Limit Value established by ACGIH):**

67-64-1	Acetone	A4
13463-67-7	Titanium Dioxide	A4
1317-95-9	Silica	A2
100-42-5	Styrene	A4

· **NIOSH-Ca (National Institute for Occupational Safety and Health):**

13463-67-7	Titanium Dioxide
1317-95-9	Silica

· **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

· **Hazard pictograms:**



· **Signal word:** Danger

· **Hazard-determining components of labeling:**

Titanium Dioxide
Acetone
Silica

· **Hazard statements:**

H319 Causes serious eye irritation.
H350 May cause cancer.
H336 May cause drowsiness or dizziness.

· **Precautionary statements:**

P202 Do not handle until all safety precautions have been read and understood.
P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P312 Call a poison center/doctor if you feel unwell.
P337+P313 If eye irritation persists: Get medical advice/attention.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **National regulations:**

None of the ingredients are listed.



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- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other Information

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

- **Date of last revision/ revision number:** 04/30/2019 / 2

- **Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety and Health
OSHA: Occupational Safety & Health Administration
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
Carc. 1A: Carcinogenicity – Category 1A
Carc. 2: Carcinogenicity – Category 2
Repr. 2: Reproductive toxicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1

- *** Data compared to the previous version altered.**

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