

11. Toxicological information

Toxicological tests

Toxicological effects: Acute toxicity (oral): Lack of data.
Acute toxicity (dermal): Lack of data.
Acute toxicity (inhalative): Lack of data.
Skin corrosion/irritation: Lack of data.
Serious eye damage/irritation: Lack of data.
Sensitisation to the respiratory tract: Lack of data.
Skin sensitisation: Lack of data.
Germ cell mutagenicity/Genotoxicity: Lack of data.
Carcinogenicity: Lack of data.
Reproductive toxicity: Reproductive toxicity 2 = Suspected of damaging fertility or the unborn child.
Effects on or via lactation: Lack of data.
Specific target organ toxicity (single exposure): Lack of data.
Specific target organ toxicity (repeated exposure): Lack of data.
Aspiration hazard: Lack of data.

Other information: Information about
Silicon dioxide (Quartz (SiO₂)):
Carcinogen Status:
IARC Rating: Group 1
OSHA Carcinogen: not listed
NTP Rating: listed
NIOSH Recommendations:
Occupational Health Guideline:
0553

Silicon dioxide:
Carcinogen Status:
IARC Rating: Group 3
OSHA Carcinogen: not listed
NTP Rating: not listed
NIOSH Recommendations:
Occupational Health Guideline:
0552

Symptoms

In case of inhalation:
Overheating released mist or vapors can irritate the respiratory tracts. Can damage your health.
In case of ingestion: Gastrointestinal irritation.
After contact with skin:
Frequently or prolonged contact with skin may cause dermal irritation.
After eye contact: Product can cause slight irritation.

12. Ecological information

Ecotoxicity

Further details: No data available

Mobility in soil

No data available

Persistence and degradability

Further details: No data available

Additional ecological information

General information: Do not allow to penetrate into soil, waterbodies or drains.

13. Disposal considerations

Product

Recommendation: Special waste. Dispose of waste according to applicable legislation.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation. Handle contaminated packages in the same way as the substance itself. Non-contaminated packages may be recycled. Do not remove label until container is thoroughly cleaned.

14. Transport information

USA: Department of Transportation (DOT)

Proper shipping name: Not restricted

Canada: Transportation of Dangerous Goods (TDG)

Shipping name: Not restricted

Sea transport (IMDG)

Proper shipping name: Not restricted

Marine pollutant: no

Air transport (IATA)

Proper shipping name: Not restricted

Further information

No dangerous good in sense of these transport regulations.

15. Regulatory information

National regulations - Canada

No data available

National regulations - U.S. Federal Regulations

Silicon dioxide (Quartz (SiO₂)): TSCA Inventory: listed
TSCA HPVC: not listed
Carcinogen Status:
IARC Rating: Group 1
OSHA Carcinogen: not listed
NTP Rating: listed
NIOSH Recommendations:
Occupational Health Guideline:
0553

Silicon dioxide: TSCA Inventory: listed
TSCA HPVC: not listed
Carcinogen Status:
IARC Rating: Group 3
OSHA Carcinogen: not listed
NTP Rating: not listed
NIOSH Recommendations:
Occupational Health Guideline:
0552

Decamethylcyclopentasiloxane: TSCA Inventory: listed
TSCA HPVC: not listed

Dodecamethylcyclohexasiloxane: TSCA Inventory: listed
TSCA HPVC: not listed

Octamethylcyclotetrasiloxane: TSCA Inventory: listed
TSCA HPVC: not listed

National regulations - U.S. State Regulations

Silicon dioxide (Quartz (SiO₂)): California Proposition 65:
cancer

National regulations - EC member states

Further regulations, limitations and legal requirements:

Contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: Decamethylcyclopentasiloxane (PBT, vPvB), Dodecamethylcyclohexasiloxane (PBT, vPvB), Octamethylcyclotetrasiloxane (PBT, vPvB)

16. Other information

Text for labeling: Contains < 0.5 % Decamethylcyclopentasiloxane, < 0.5 % Dodecamethylcyclohexasiloxane, < 0.5 % Octamethylcyclotetrasiloxane. Safety data sheet available on request.

Hazard rating systems: NFPA Hazard Rating:
Health: 2 (Moderate)
Fire: 1 (Slight)
Reactivity: 0 (Minimal)



HMIS Version III Rating:
Health: 2 (Moderate) - Chronic effects
Flammability: 1 (Slight)
Physical Hazard: 0 (Minimal)
Personal Protection: X = Consult your supervisor

HEALTH	*	2
FLAMMABILITY		1
PHYSICAL HAZARD		0
X		

Reason of change: Changes in section 1: Identification of the substance or mixture

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

SAFETY DATA SHEET

according to WHMIS 2015 and ANSI Z400.1-2010

Aircast 3700A, Aircast 3600A

Material number 1032

Revision date: 15/5/2019

Version: 15

Language: en-CA,US

Date of first version: 13/8/2008

Page:

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This data sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, and which additional precautions may be necessary. All health and safety information contained in this data sheet should be provided to your employees and customers. It is your responsibility to develop appropriate workplace instructions and training programs for employees.

As the conditions and methods of use are beyond our control, we do not assume any responsibility and expressly disclaim any liability for any use of this product. The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. All statements or suggestions are made without warranty, expressed or implied, regarding accuracy of information, the hazards connected with the use of the product or the results to be obtained from the use thereof.

1. Product and company identification

Product identifier

Trade name: Aircast 3700B, Aircast 3600B

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

General use: Curing agent for RTV casting resin.
Reserved for industrial and professional use.

Details of the supplier of the safety data sheet

Company name:

Airtech International, Inc.
5700 Skylab Road
Huntington Beach, CA 92647
E-mail: airtech@airtechintl.com
Website: www.airtechonline.com
Telephone: +1 714.899.8100
Dept. responsible for information:
Telephone: +1 714.899.8100
E-mail: airtech@airtechintl.com

Airtech Europe Sarl
Zone industrielle Haneboesch
L-4562 Differdange
Luxembourg
Website: www.airtech.lu
Telephone: +352 582.282
Dept. responsible for information:
Telephone: +352 582.282
E-mail: sales@airtech.lu

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Broadway Business Park
Chadderton, Oldham
OL9 9XD United Kingdom
Website: www.tygavac.co.uk
Telephone: +44 161.947.1610
Dept. responsible for information:
Telephone: +44 161.947.1610
E-mail: sales@tygavac.co.uk

Airtech Asia Ltd.
No. 161 of Anyuan Rd
Chagugang County
Wuqing District
301721, Tianjin, P.R. China
Website: www.airtech.asia
Telephone: +86 22 8862 9800
Telefax: +86 22 8862 9900
Dept. responsible for information:
Telephone: +86 22 8862 9800
E-mail: airtech.asia@airtechasia.com.cn

Emergency phone number

CHEMTREC EMERGENCY PHONE:
International: +1 703-741-5970

2. Hazards identification

Emergency overview

Appearance: Form: liquid
Color: blue
Odor: odorless
Classification: Reproductive toxicity 2;

Hazard symbols:



Signal word:

Warning

Hazard statements:

Suspected of damaging fertility or the unborn child.

Precautionary statements:

Obtain special instructions before use.
Use personal protective equipment as required.
IF exposed or concerned: Get medical advice/attention.
Store locked up.
Dispose of contents/container to hazardous or special waste collection point.

Regulatory status

This material is considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

Hazards not otherwise classified

Product may separate hydrogen. Danger of explosion!
Direct contact may cause skin and eyes reddening and irritation. Overheating released mist or vapors can irritate the respiratory tracts. In case of ingestion gastrointestinal irritation.
see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterisation:

A mixture of Vinyl dimethyl terminated Polydimethylsiloxane (CAS 68083-19-2) and Polymethylhydrosiloxane (CAS 63148-57-2).

Relevant ingredients:

CAS No.	Designation	Content	Classification
CAS 556-67-2	Octamethylcyclotetrasiloxane	< 1 %	Flammable Liquid 3. Reproductive toxicity 2. Aquatic toxicity - chronic 4.

4. First aid measures

In case of inhalation: Provide fresh air. Seek medical treatment in case of troubles.
Following skin contact: Remove mechanically with cloth or paper. Change contaminated clothing. Thoroughly wash skin with soap and water. In case of skin reactions, consult a physician.
After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.
After swallowing: Seek medical attention. Rinse mouth immediately and drink plenty of water. Do not induce vomiting without medical assistance.

Most important symptoms and effects, both acute and delayed

Suspected of damaging fertility or the unborn child.
Product can cause slight irritation.

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:

94 °C (o.c.)

Auto-ignition temperature:

No data available

Suitable extinguishing media:

Carbon dioxide, extinguishing powder, foam.

Extinguishing media which must not be used for safety reasons:

Full water jet.

Specific hazards arising from the chemical

Emits toxic fumes under fire conditions.

In case of fire may be liberated: Silicon dioxide, traces of incompletely burned carbon compounds, formaldehyde, carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information:

Cool endangered containers with water spray and, if possible, remove from danger zone. Use a water fog to control vapors. Do not breathe fumes. Do not allow fire water to penetrate into surface or ground water.

6. Accidental release measures

Personal precautions: Product may separate hydrogen. Remove all sources of ignition. Provide adequate ventilation. Wear suitable protective clothing. Avoid contact with the substance.

Environmental precautions:

Do not allow to penetrate into soil, waterbodies or drains.

Methods for clean-up:

Soak up with absorbent materials such as sand, siliceous earth, acid- or universal binder. Store in special closed containers and dispose of according to ordinance.

7. Handling and storage

Handling

Advices on safe handling: Obtain special instructions before use. Provide adequate ventilation, and local exhaust as needed. Avoid contact with skin and eyes. Do not breathe vapor or spray. Wear suitable gloves.

Precautions against fire and explosion:

Keep away from heat sources, sparks and open flames.

Storage

Requirements for storerooms and containers:

Keep in a cool place. Keep container tightly closed and in a well-ventilated place. Protect from frost and exposure to sun.

Hints on joint storage:

Keep away from strongly acidic and alkaline materials as well as oxidizers. Keep away from food and drinks.

8. Exposure controls / personal protection

Engineering controls

Provide good ventilation and/or an exhaust system in the work area.
See also information in chapter 7, section storage.

Personal protection equipment (PPE)

Eye/face protection: Tightly sealed goggles according to OSHA Standard - 29 CFR: 1910.133 or ANSI Z87.1-2010.

Skin protection: Wear suitable protective clothing.



Protective gloves according to OSHA Standard - 29 CFR: 1910.138.

Glove material: Plastic or rubber

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Respiratory protection: When vapors form, use respiratory protection. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.
Recommended: Use filter type A (= against vapors of organic substances) according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.

General hygiene considerations:

Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Eye wash facility must be provided. Wash hands before breaks and after work. When using do not eat, drink or smoke.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Form: liquid Color: blue
Odor:	odorless
Odor threshold:	No data available
pH value:	No data available
Melting point/freezing point:	No data available
Initial boiling point and boiling range:	No data available
Flash point/flash point range:	94 °C (o.c.)
Evaporation rate:	No data available
Flammability:	This material is combustible, but will not ignite readily.
Explosion limits:	No data available
Vapor pressure:	No data available
Vapor density:	No data available
Density:	No data available
Solubility:	No data available
Partition coefficient: n-octanol/water:	No data available
Auto-ignition temperature:	No data available
Thermal decomposition:	No data available
Additional information:	No data available

10. Stability and reactivity

Reactivity:	Refer to section: Possibility of hazardous reactions.
Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions	Hazardous polymerisation: May occur. Polymerization along with heat production. Product may separate hydrogen. Danger of explosion!
Conditions to avoid:	Keep away from heat sources, sparks and open flames.
Incompatible materials:	Strong acid or bases as well as oxidizing agents.

Hazardous decomposition products:

Product may release hydrogen gas.

In case of fire may be liberated: Silicon dioxide, traces of incompletely burned carbon compounds, formaldehyde, carbon monoxide and carbon dioxide.

Thermal decomposition: No data available

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Toxicological tests

Toxicological effects:

- Acute toxicity (oral): Lack of data.
- Acute toxicity (dermal): Lack of data.
- Acute toxicity (inhalative): Lack of data.
- Skin corrosion/irritation: Lack of data.
- Serious eye damage/irritation: Lack of data.
- Sensitisation to the respiratory tract: Lack of data.
- Skin sensitisation: Lack of data.
- Germ cell mutagenicity/Genotoxicity: Lack of data.
- Carcinogenicity: Lack of data.
- Reproductive toxicity: Reproductive toxicity 2 = Suspected of damaging fertility or the unborn child.
- Effects on or via lactation: Lack of data.
- Specific target organ toxicity (single exposure): Lack of data.
- Specific target organ toxicity (repeated exposure): Lack of data.
- Aspiration hazard: Lack of data.

Symptoms

In case of inhalation:
Overheating released mist or vapors can irritate the respiratory tracts.
In case of ingestion: Gastrointestinal irritation.
After contact with skin:
Frequently or prolonged contact with skin may cause dermal irritation.
After eye contact: Product can cause slight irritation.

12. Ecological information

Ecotoxicity

Further details: No data available

Mobility in soil

No data available

Persistence and degradability

Further details: No data available

Additional ecological information

General information: Do not allow to penetrate into soil, waterbodies or drains.

13. Disposal considerations

Product

Recommendation: Special waste. Dispose of waste according to applicable legislation.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation. Handle contaminated packages in the same way as the substance itself. Non-contaminated packages may be recycled. Do not remove label until container is thoroughly cleaned.

14. Transport information

USA: Department of Transportation (DOT)

Proper shipping name: Not restricted

Canada: Transportation of Dangerous Goods (TDG)

Shipping name: Not restricted

Sea transport (IMDG)

Proper shipping name: Not restricted

Marine pollutant: no

Air transport (IATA)

Proper shipping name: Not restricted

Further information

No dangerous good in sense of these transport regulations.

15. Regulatory information

National regulations - Canada

No data available

National regulations - U.S. Federal Regulations

Vinyldimethyl terminated Polydimethylsiloxane: TSCA Inventory: listed; UVCB; EPA flags XU
TSCA HPVC: not listed

Polymethylhydrosiloxane: TSCA Inventory: listed; UVCB; EPA flags XU
TSCA HPVC: not listed

Octamethylcyclotetrasiloxane: TSCA Inventory: listed
TSCA HPVC: not listed

National regulations - EC member states

Further regulations, limitations and legal requirements:

Contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: Octamethylcyclotetrasiloxane (PBT, vPvB)

16. Other information

Text for labeling: Contains < 1 % Octamethylcyclotetrasiloxane. Safety data sheet available on request.

Hazard rating systems:



NFPA Hazard Rating:

Health: 2 (Moderate)

Fire: 1 (Slight)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 2 (Moderate) - Chronic effects

Flammability: 1 (Slight)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	*	2
FLAMMABILITY		1
PHYSICAL HAZARD		0
		X

Reason of change:

Changes in section 1: Identification of the substance or mixture

Department issuing data sheet

Contact person:

see section 1: Dept. responsible for information

This data sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, and which additional precautions may be necessary. All health and safety information contained in this data sheet should be provided to your employees and customers. It is your responsibility to develop appropriate workplace instructions and training programs for employees.

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