

1. Product and company identification

Product identifier

Trade name: Rubber
Airpad, Airpad HTX, Airpad HTS 5553, Airflex, Pressure Strip, Airtech 1050, Airtech 1024, Airtech 1084, ARB 100, ARB 160, LRB 100, Vacseal 4948, Airtech 1069, Airtech 4140, Airtech 4124, Silicone Seals, RTV Silicone Adhesive

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

General use: Rubber (cured/uncured)

Details of the supplier of the safety data sheet

Company name: Airtech International, Inc.
Street/POB-No.: 5700 Skylab Road
Postal Code, city: US Huntington Beach, CA 92647
E-mail: airtech@airtechintl.com
Telephone: +1 714.899.8100
Telefax: +1 714.899.8179

Dept. responsible for information:

Telephone: + 1 714.899.8100
E-mail: airtech@airtechintl.com

Additional information:

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

Tygavac Advanced Materials Ltd.
The Causeway
Broadway Business Park
Chadderton, Oldham
OL9 9XD United Kingdom
E-mail: sales@tygavac.co.uk
Website: www.tygavac.co.uk
Telephone: + 44 161.947.1610

Airtech Asia Ltd. Ltd.
888 Airtech Avenue
Huangtai Industrial Development Center
Xiaozhan Country, Jinnan District
Tianjin, China 300353
E-mail: airtechasia@airtechintl.com
Website: www.airtech.asia
Telephone: +86 22.8622.9800

Emergency phone number

CHEMTREC EMERGENCY PHONE:
Within USA/Canada: 1-(800)424-9300
International: +1 703-741-5970

2. Hazards identification

Emergency overview

Appearance:	Form: solid Color: varying
Odor:	odorless
Classification:	This material is classified as not hazardous.

Regulatory status

This material is not considered hazardous by the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) and SIMDUT in Canada.

Hazards not otherwise classified

The product contains no substances which at their given concentration are considered to be hazardous to health. These compounds may contain hydrocarbon oils with more than 0.1% aromatics, certain resins, metallic dithiocarbamates and chlorine compounds which have been found to cause cancer in laboratory animals. These compounds have not been evaluated as a whole for health effects. Information provided on health effects of compounds is based on the individual components of various compounds. In general, heating or processing compounds may result in product degradation or by-product formation creating additional hazards.

Processing by heating can produce vapours. If this product is heated to temperatures greater than 150 °C (302 °F) in presence of air, small quantities of formaldehyde vapours may be released. Inhaling hazardous decomposing products can cause serious health damage.

Processing, e.g. by cutting, sawing or grinding, can produce particles and dust.
Inhalation of dust/particles: dangerous health properties.

For risks which have to be observed thereby, see chapter 7: Handling, chapter 8: Exposure controls / personal protection and chapter 11: Toxicology.
see section 11: Toxicological information

3. Composition / Information on ingredients

Chemical characterization: Article: Latex, silicon, non-silicon, fiberglass reinforced, non fiberglass reinforced, cured, and uncured rubber products.

4. First aid measures

In case of inhalation:	In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still. In case of breathing difficulties administer oxygen. Seek medical treatment in case of troubles.
Following skin contact:	Thoroughly wash skin with soap and water. Change contaminated clothing. In case of skin irritation, consult a physician.
After eye contact:	Thoroughly flush eyes with water for 15 minutes. In case of troubles or persistent symptoms, consult an ophthalmologist.
After swallowing:	Not a probable route of exposure. In the case of the formation of dust: Rinse mouth. Seek medical treatment in case of troubles.

Most important symptoms/effects, acute and delayed

Exposure to heat may produce hazardous decomposition products.
Can cause skin, eye and respiratory tract irritation.
Processing, e.g. by cutting, sawing or grinding, can produce particles and dust.
Avoid inhalation of dusts, as even inert dusts may functionally affect respiratory organs.

Information to physician

Treat symptomatically.

5. Fire fighting measures

Flash point/flash point range:

no data available

Auto-ignition temperature: no data available

Suitable extinguishing media:

Dry chemical, foam, water fog, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

High power water jet.

Specific hazards arising from the chemical

This material is combustible, but will not ignite readily. Emits toxic fumes under fire conditions.

In case of fire may be liberated: Quartz (SiO₂), traces of incompletely burned carbon compounds, hydrogen, nitrogen oxides (NO_x), formaldehyde, carbon monoxide and carbon dioxide.

Protective equipment and precautions for firefighters:

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

Additional information:

Evacuate area. 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:

Handle in accordance with good industrial hygiene and safety practice.

At processing: Avoid the formation of aerosol/vapors. Avoid generation of dust. Avoid inhalation and contact with skin and eyes. Wear protective equipment. Keep unprotected people away. Ensure adequate ventilation, especially in confined areas.

Environmental precautions:

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

Methods for clean-up:

Take up mechanically, placing in appropriate containers for disposal. Dispose of waste according to applicable legislation.

7. Handling and storage

Handling

Advices on safe handling: Handle in accordance with good industrial hygiene and safety practice.

At processing: Provide adequate ventilation, and local exhaust as needed. Avoid the formation of aerosol/vapors. Avoid generation of dust. Avoid inhalation and contact with skin and eyes. Wear protective equipment. Keep unprotected people away. When using do not eat, drink or smoke.

Precautions against fire and explosion:

Take standard precautions to prevent fire.

Storage

Requirements for storerooms and containers:

Keep in a cool place. Keep container dry. Protect from direct sunlight. Keep away from incompatible materials. Store at room temperature.

Hints on joint storage:

Incompatible materials: Strong bases, strong acids, strong oxidizing agents, sulphur compounds. Keep away from food and drinks.

8. Exposure controls / personal protection

Exposure guidelines

Occupational exposure limit values:

Type	Limit value
USA: ACGIH: TWA	10 mg/m ³ Dust limit value, indicativ; inhalable fraction
USA: ACGIH: TWA	3 mg/m ³ Dust limit value, indicativ; respirable fraction
USA: OSHA: TWA	15 mg/m ³ Dust limit value inhalable fraction
USA: OSHA: TWA	5 mg/m ³ Dust limit value respirable fraction

Engineering controls

Provide good ventilation and/or an exhaust system in the work area.

In case of development of vapors or dust (at processing): Use local exhaust.

See also information in chapter 7, section storage.

Personal protection equipment (PPE)

Eye/face protection At processing (recommended): Safety glasses in accordance with OSHA 29 CFR: 1910.133 or ANSI Z87.1-2010.

Skin protection In case of processing (recommended): Wear suitable protective clothing.

Recommendation:

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

Glove material: nitrile rubber, neoprene (0.11 mm)

Breakthrough time: >480 min.

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

Respiratory protection: Respiratory protection is not necessary if room is well ventilated.

At processing:

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.

General hygiene considerations:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and after work. When using do not eat, drink or smoke.

At processing:

Avoid contact with skin, eyes, and clothing. Do not breathe vapor. Do not breathe dust.

9. Physical and chemical properties

Information on basic physical and chemical properties

Appearance:	Form: solid Color: varying
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:	no data available
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
Water solubility:	insoluble
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	No dangerous reactions with proper and specified storage and handling.
Conditions to avoid:	Keep away from heat. Protect from direct sunlight. Avoid generation of dust. Avoid the formation of aerosol/vapors.
Incompatible materials:	Incompatible materials: Strong bases, strong acids, strong oxidizing agents, sulphur compounds.
Hazardous decomposition products:	In case of fire may be liberated: Quartz (SiO ₂), traces of incompletely burned carbon compounds, hydrogen, nitrogen oxides (NO _x), formaldehyde, carbon monoxide and carbon dioxide.
Thermal decomposition:	no data available

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.
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: Lack of data.
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: The principal components used in this product have been reacted and are tightly bond in a polymeric matrix that has a negligible vapor pressure so there is a low potential for inhalation or ingestion of ingredients. The finished polymerized product is an inert rubber, and exposure to the original constituents would not be expected under normal conditions. Like most high-molecular weight polymers, this product is not known to exhibit any adverse acute or chronic health effects. Burning this material or exposing it to temperatures in excess can generate irritating and toxic fumes. The type of compounds generated depends upon temperature and conditions. Processing, e.g. by grinding, sanding, sawing or cutting this product may generate dust or particles. Dust or particles may have dangerous health properties.

If this product is heated to temperatures greater than 150 °C (302 °F) in presence of air, small quantities of formaldehyde vapours may be released.

Information about formaldehyde:
Toxic by inhalation, in contact with skin and if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Suspected of causing cancer.
A SDS for fomaldehyde is available from Airtech upon request.

Symptoms

In case of inhalation:
Inhalation of dust may cause irritation of the respiratory system. Overheating released mist or vapors can irritate the respiratory tracts.
Other symptoms: Cough, respiratory complaints, dizziness, nausea, vomiting.
After contact with skin: Thermal decomposition products or aerosols can cause irritation.
Other symptoms: Itching redness of the skin and oedema (swelling).
The melted product can cause severe burns.
After eye contact:
Process vapors can irritate the eyes. Dust contact with the eyes can lead to mechanical irritation.

12. Ecological information

Ecotoxicity

Effects in sewage plants: The insoluble part can be precipitated mechanically in suitable sewage treatment plants.

Mobility in soil

no data available

Persistence and degradability

Further details: Product is not biodegradable.

Additional ecological information

General information: Do not allow to enter into ground-water, surface water or drains.

13. Disposal considerations

Product

Recommendation: Dispose of waste according to applicable legislation.

Contaminated packaging

Recommendation: Dispose of waste according to applicable legislation.
Do not remove label until container is thoroughly cleaned. Non-contaminated packages may be recycled.

14. Transport information

USA: Department of Transportation (DOT)

Proper shipping name: Not controlled under DOT

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 - Great Britain

Hazchem-Code: -

16. Other information

Hazard rating systems:



NFPA Hazard Rating:

Health: 1 (Slight)

Fire: 1 (Slight)

Reactivity: 0 (Minimal)

HMIS Version III Rating:

Health: 1 (Slight)

Flammability: 1 (Slight)

Physical Hazard: 0 (Minimal)

Personal Protection: X = Consult your supervisor

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
	X

Department issuing data sheet

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

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.