

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name: Airpad HTS-5553

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

General use: Manufacture of Composite laminates.  
Reserved for industrial and professional use.

### 1.3 Details of the supplier of the safety data sheet

Company name: AIRTECH EUROPE SARL

Street/POB-No.: Z.I. Haneboesch

Postal Code, city: 4562 Differdange  
Luxemburg

WWW: www.airtech.lu

E-mail: sales@airtech.lu

Telephone: +352-582282-1

Telefax: +352-584935

Dept. responsible for information:

Telephone: +352-582282-1, E-mail: sales@airtech.lu

### 1.4 Emergency telephone number

Airtech, Telephone: +352-582282-1

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Article not subject to hazard labelling or classification.

### 2.2 Label elements

#### Labelling (CLP)

Precautionary statements: not applicable

#### Labelling (67/548/EEC or 1999/45/EC)

S phrase(s): not applicable

### 2.3 Other hazards

Processing by heating can produce vapours. If this product is heated to temperatures greater than 150 °C 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.

## SECTION 3: Composition / information on ingredients

3.1 Substances: not applicable

### 3.2 Mixtures

Chemical characterisation: Article: Uncured silicone rubber sheet.

## Hazardous ingredients:

Ingredient	Designation	Content	Classification
EC No. 201-128-1 CAS 78-63-7	di-tert-Butyl 1,1,4,4- tetramethyltetramethylene diperoxide	1 - 5 %	DSD/DPD: O, Xi; R 7, 36/38 CLP: Org. Perox. CD; H242. Skin Irrit. 2; H315. Eye Irrit. 2; H319.

Additional information: Contains glass fibers (CAS 65997-17-3). The maximum workplace exposure limits are, where necessary, listed in section 8.

**SECTION 4: First aid measures****4.1 Description of 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.

In case of 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: Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical assistance. Seek medical attention.

**4.2 Most important symptoms and effects, both acute and delayed**

Processing, e.g. by cutting, sawing or grinding, can produce particles and dust. Inhalation of dust may cause irritation of the respiratory system. Dust contact with the eyes can lead to mechanical irritation.

Processing by heating can produce vapours. Inhaling hazardous decomposing products can cause serious health damage. Process vapours can irritate the eyes.

**4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

Suitable extinguishing media:

Extinguishing powder, foam, water fog, carbon dioxide.

Extinguishing media which must not be used for safety reasons:

High power water jet.

**5.2 Special hazards arising from the substance or mixture**

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

In case of fire may be liberated: Quartz (SiO<sub>2</sub>), traces of incompletely burned carbon compounds, hydrogen, nitrogen oxides (NO<sub>x</sub>), formaldehyde, carbon monoxide and carbon dioxide.

**5.3 Advice for firefighters**

Special protective equipment for firefighters:

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

Additional information: Hazchem-Code: -  
Evacuate area. Cool endangered containers with water spray and, if possible, remove from danger zone. Use water spray jet to knock down vapours. Do not breathe fumes. Do not allow fire water to penetrate into surface or ground water.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes, and clothing. Avoid generation of dust. Avoid formation of aerosols/vapours. Wear protective equipment. Provide adequate ventilation.

In case of development of vapours or dust: Do not inhale vapours or dust particles. Use appropriate respiratory protection. Keep away from unprotected people.

### 6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains. In case of release, notify competent authorities.

### 6.3 Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal. Final cleaning.

### 6.4 Reference to other sections

Refer additionally to section 8 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Avoid contact with skin, eyes, and clothing. Avoid generation of dust. Avoid formation of aerosols/vapours. Wear protective equipment. When using do not eat, drink or smoke.

In case of development of vapours or dust:

Do not inhale vapours or dust particles. Use appropriate respiratory protection.

Precautions against fire and explosion:

Take standard precautions to prevent fire.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed and in a well-ventilated place. Keep only in the original container.

Refrigerated storage is recommended to maintain product quality.

Do not drop, drag or bang the container. Keep away from incompatible materials.

Hints on joint storage:

Keep away from food and drinks.

Incompatible materials: Sulfur, amines. May inhibit the formation of crosslinks.

Storage class:

11 = Combustible solids

### 7.3 Specific end use(s)

No information available.

**SECTION 8: Exposure controls/personal protection**

**8.1 Control parameters**

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
	Airpad HTS-5553	Great Britain: WEL-TWA	0.6 mg/m <sup>3</sup> Rubber, smoke
		Great Britain: WEL-TWA Ireland: 8 hours	6 mg/m <sup>3</sup> Rubber, process dust
		Ireland: 8 hours	0.6 mg/m <sup>3</sup> Rubber, smoke
		Ireland: 8 hours	6 mg/m <sup>3</sup> Rubber, process dust
65997-17-3	Glass fibres	Great Britain: WEL-TWA	2 fibres / mL Machinemade mineral fibre (excluding refractory ceramic fibres)
		Great Britain: WEL-TWA	5 mg/m <sup>3</sup> Machinemade mineral fibre (excluding refractory ceramic fibres)
		Great Britain: WEL-TWA	Machinemade mineral fibre (excluding refractory ceramic fibres)
		Ireland: 8 hours	1 fibres / mL Machinemade mineral fibre (excluding refractory ceramic fibres)
		Ireland: 8 hours	5 mg/m <sup>3</sup> Machinemade mineral fibre (excluding refractory ceramic fibres)
		Ireland: 8 hours	Machinemade mineral fibre (excluding refractory ceramic fibres)
		Ireland: 8 hours	Machinemade mineral fibre (excluding refractory ceramic fibres)

**8.2 Exposure controls**

Provide good ventilation and/or an exhaust system in the work area.  
 In case of development of vapours or dust (at processing): Use local exhaust.

**Personal protection equipment**

**Occupational exposure controls**

- Respiratory protection: Provide adequate ventilation.  
 For mechanical processing: Wear a dust mask, in case of excessive dust.  
 Recommendation: Particulates filter P3 according to EN 143.  
 When vapours form: Use combination filter type according to EN 14387. 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.
- Hand protection: In case of hot work operation:  
 Protective gloves against heat.  
 Observe glove manufacturer's instructions concerning penetrability and breakthrough time.
- Eye protection: In case of processing or dust: Tightly sealed goggles according to EN 166.
- Body protection: In case of processing or dust: Wear suitable protective clothing.
- General protection and hygiene measures:  
 Avoid contact with eyes. Change contaminated clothing. Avoid generation of dust. Avoid formation of aerosols/vapours. When using do not eat, drink or smoke. Have eye wash bottle or eye rinse ready at work place. Wash hands before breaks and after work.  
 In case of development of vapours or dust:  
 Do not inhale vapours or dust particles.  
 Fibres/dust:  
 Avoid rubbing. Fibers may penetrate deeper into the skin by rubbing.  
 Remove fibres from working clothes using a vacuum cleaner.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance:	Form: solid Colour: red
Odour:	not determined
Odour 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.
Explosive properties:	no data available
Explosion limits:	no data available
Vapour pressure:	no data available
Vapour density:	no data available
Density:	(rubber) 1.33 g/cm <sup>3</sup>
Solubility:	soluble in toluene
Water solubility:	insoluble
Partition coefficient: n-octanol/water:	no data available
Auto-ignition temperature:	no data available
Thermal decomposition:	no data available
Viscosity, dynamic:	no data available
Explosive properties:	no data available
Oxidizing characteristics:	no data available

### 9.2 Other information

Additional information: no data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Refer to section: Possibility of hazardous reactions.

### 10.2 Chemical stability

Stable under recommended storage conditions.

### 10.3 Possibility of hazardous reactions

No dangerous reactions with proper and specified storage and handling.

### 10.4 Conditions to avoid

Keep away from heat. Avoid generation of dust. Avoid formation of aerosols/vapours.

### 10.5 Incompatible materials

Sulfur, amines. May inhibit the formation of crosslinks.

## 10.6 Hazardous decomposition products

Exothermal decomposition with formation of: Toxic gases.

In case of fire may be liberated: Quartz (SiO<sub>2</sub>), traces of incompletely burned carbon compounds, hydrogen, nitrogen oxides (NO<sub>x</sub>), formaldehyde, carbon monoxide and carbon dioxide.

Thermal decomposition: no data available

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

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 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.

## SECTION 12: Ecological information

### 12.1 Toxicity

Further details: no data available

### 12.2. Persistence and degradability

Further details: Product is not biodegradable.

**12.3 Bioaccumulative potential**

Partition coefficient: n-octanol/water:

no data available

**12.4 Mobility in soil**

no data available

**12.5 Results of PBT and vPvB assessment**

no data available

**12.6 Other adverse effects**

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

**SECTION 13: Disposal considerations****13.1 Waste treatment methods****Product**

Waste key number: 07 02 17 = Waste containing silicones other than those mentioned in 07 02 16.

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.

**SECTION 14: Transport information****14.1 UN number**

ADR/RID, IMDG, IATA: not applicable

**14.2 UN proper shipping name**

ADR/RID, IMDG, IATA: Not restricted

**14.3 Transport hazard class(es)**

ADR/RID, IMDG, IATA: not applicable

**14.4 Packing group**

ADR/RID, IMDG, IATA: not applicable

**14.5 Environmental hazards**

Marine pollutant: No

**14.6 Special precautions for user**

No dangerous good in sense of these transport regulations.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

no data available



## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulations - Great Britain

Hazchem-Code: -

### 15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

## SECTION 16: Other information

### Further information

Wording of the H-phrases under paragraph 2 and 3:

H242 = Heating may cause a fire.

H315 = Causes skin irritation.

H319 = Causes serious eye irritation.

Wording of the R-phrases under section 2 and 3:

R 7 = May cause fire.

R 36/38 = Irritating to eyes and skin.

Reason of change: Changes in section 7, 8, 10: General revision

#### Department issuing data sheet

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

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

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 programmes for employees.

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