

AIRTECH INSULATING PAINT MAGNOLIA
Supersedes Date: 04-Dec-2018Revision Date 04-Dec-2018
Revision Number 1.03**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product Identifier**

Product Name AIRTECH INSULATING PAINT WHITE & MAGNOLIA
Pure substance/mixture Mixture

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

Recommended use Fungicide. Paints and varnishes.
Uses advised against None known

1.3. Details of the supplier of the safety data sheet**Company Name**

Airtech Environmental Systems Limited
Stathe Road,
Burrowbridge,
Somerset,
TA7 0RY

E-mail address info@airtechsolutions.co.uk

1.4. Emergency telephone number

United Kingdom +44 1823 690 292 (9am-5pm Monday-Friday)

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

Regulation (EC) No 1272/2008

Chronic aquatic toxicity	Category 3 - (H412)
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2.2. Label Elements**Signal word**

None

Hazard statements

H412 - Harmful to aquatic life with long lasting effects

EU Specific Hazard Statements

EUH208 - Contains 3-Iodo-2-propynyl butylcarbamate & Propiconazole & Mixture, 3(2H)-isothiazolone, 5-chloro-2-methyl- with 2-methyl-3(2H)-isothiazolone. May produce an allergic reaction

Precautionary statements

P101 - If medical advice is needed, have product container or label at hand
P102 - Keep out of reach of children
P260 - Do not breathe dust/fume/gas/mist/vapours/spray
P273 - Avoid release to the environment
P280 - Wear protective gloves and eye/face protection
P501 - Dispose of contents/ container to an approved waste disposal plant

Safety Data Sheet

2.3. Other Hazards

No information available

PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical Name	EC No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH Registration Number
Diethylene glycol monobutyl ether	203-961-6	112-34-5	0.1 - <1	Eye Irrit. 2 (H319)		01-2119475104-44-XXXX
3-Iodo-2-propynyl butylcarbamate	259-627-5	55406-53-6	0.1 - <1	STOT RE 1 (H372) Eye Dam. 1 (H318) Skin Sens. 1 (H317) Acute Tox. 4 (H302) Acute Tox. 3 (H331) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) (M Factor Acute = 10) (M Factor Chronic = 1)		No data available
Dipropylene glycol monomethyl ether	252-104-2	34590-94-8	0.1 - <1	No data available		01-2119450011-60-XXXX
Propiconazole	262-104-4	60207-90-1	0.1 - <1	Acute Tox. 4 (H302) Skin Sens. 1 (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)		No data available

Full text of H- and EUH-phrases: see section 16

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

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4.1. Description of first aid measures

General advice	Take a copy of the Safety Data Sheet when going for medical treatment.
Inhalation	Remove to fresh air. IF exposed or concerned: Get medical advice/attention.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a doctor.
Skin contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.
Ingestion	Clean mouth with water. Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person.

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

Symptoms	No information available.
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4.3. Indication of any immediate medical attention and special treatment needed

Note to doctors	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	Full water jet. Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	Thermal decomposition can lead to release of toxic and corrosive gases/vapours.
Hazardous Combustion Products	Carbon monoxide. Carbon dioxide (CO ₂). Hydrocarbons.

5.3. Advice for firefighters

Special protective equipment for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Ensure adequate ventilation. Avoid contact with skin, eyes or clothing.
Other information	Ventilate the area. Prevent further leakage or spillage if safe to do so.
For emergency responders	Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions	Do not flush into surface water or sanitary sewer system. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information.
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6.3. Methods and material for containment and cleaning up

Safety Data Sheet

Methods for containment Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

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

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Ensure adequate ventilation. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Take off all contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep from freezing.

7.3. Specific end use(s)

Specific Use(s)
Fungicide. Paints and varnishes.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other information Observe technical data sheet.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Exposure Limits

Chemical Name	European Union	Ireland	United Kingdom
Titanium dioxide 13463-67-7	-	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³	TWA: 10 mg/m ³ TWA: 4 mg/m ³ STEL: 30 mg/m ³ STEL: 12 mg/m ³
1,2-Propylene glycol 57-55-6	-	TWA: 10 mg/m ³ TWA: 150 ppm TWA: 470 mg/m ³ STEL: 1410 mg/m ³ STEL: 30 mg/m ³ STEL: 450 ppm	TWA: 150 ppm TWA: 474 mg/m ³ TWA: 10 mg/m ³ STEL: 450 ppm STEL: 1422 mg/m ³ STEL: 30 mg/m ³
Diethylene glycol monobutyl ether 112-34-5	TWA: 10 ppm TWA: 67.5 mg/m ³	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³	TWA: 10 ppm TWA: 67.5 mg/m ³ STEL: 15 ppm STEL: 101.2 mg/m ³
Dipropylene glycol monomethyl ether 34590-94-8	TWA: 50 ppm TWA: 308 mg/m ³ *	TWA: 50 ppm TWA: 308 mg/m ³ STEL: 150 ppm STEL: 924 mg/m ³ Sk*	TWA: 50 ppm TWA: 308 mg/m ³ STEL: 150 ppm STEL: 924 mg/m ³ Sk*

Safety Data Sheet

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering controls Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas. Use explosion-proof ventilating equipment.

Personal Protective Equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Avoid contact with eyes.

Skin and body protection Wear protective gloves and protective clothing. Avoid contact with skin, eyes or clothing.

Respiratory protection During spraying wear suitable respiratory equipment.

Environmental exposure controls No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical State	Liquid
Appearance	viscous
Colour	Cream
Odour	Slight
Odour Threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	8.0 - 9	
pH (as aqueous solution)	8.0 - 9.0	
Melting point / freezing point	= 0 °C	
Boiling point / boiling range	approx. 100 °C	
Flash Point	Not applicable	No data available
Evaporation Rate	No data available	
Flammability (solid, gas)	No data available	
Flammability Limit in Air		
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapour Pressure	No data available	
Vapour Density	No data available	
Relative Density	1.20 - 1.30	None known
Water Solubility	Soluble in water	
Solubility(ies)	No data available	
Partition coefficient	No data available	
Autoignition Temperature	No data available	
Decomposition Temperature	No data available	
Kinematic Viscosity	No data available	
Dynamic Viscosity	> 150 mPa s	
Explosive properties	No data available	
Oxidising properties	No data available	

9.2. Other information

Solid content (%)	No information available
Softening Point	No information available
Molecular Weight	No information available
VOC (volatile organic compound)	< 20 g/L
Density	No information available

Safety Data Sheet

Bulk Density No information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion Data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Keep from freezing.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous decomposition products Carbon monoxide. Carbon dioxide (CO₂). Hydrocarbons.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Product information

Inhalation Based on available data, the classification criteria are not met.

Eye contact Based on available data, the classification criteria are not met.

Skin contact Based on available data, the classification criteria are not met.

Ingestion Based on available data, the classification criteria are not met.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms No information available.

Numerical measures of toxicity

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document

Safety Data Sheet

ATEmix (inhalation-dust/mist) 226.73 mg/l

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Diethylene glycol monobutyl ether 112-34-5	= 5660 mg/kg (Rat)	= 2700 mg/kg (Rabbit)	
3-Iodo-2-propynyl butylcarbamate 55406-53-6	LD50 =300-500 mg/Kg (Rat)	LD50 >2000 mg/Kg (Rat)	= 0.67 mg/L (Rat) 4 h
Dipropylene glycol monomethyl ether 34590-94-8	= 5.35 g/kg (Rat)	= 9500 mg/kg (Rabbit)	
Propiconazole 60207-90-1	= 1517 mg/kg (Rat)	> 4 g/kg (Rat) > 6000 mg/kg (Rabbit)	= 1264 mg/m ³ (Rat) 4 h > 5800 mg/m ³ (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Germ cell mutagenicity Based on available data, the classification criteria are not met.

Carcinogenicity Based on available data, the classification criteria are not met.

Reproductive toxicity Based on available data, the classification criteria are not met.

STOT - single exposure Based on available data, the classification criteria are not met.

STOT - repeated exposure Based on available data, the classification criteria are not met.

Aspiration hazard Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Harmful to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Micro-organisms	Crustacea	M-Factor
Diethylene glycol monobutyl ether 112-34-5	EC50: >100mg/L (96h, <i>Desmodesmus subspicatus</i>)	LC50: =1300mg/L (96h, <i>Lepomis macrochirus</i>)	-	EC50: >100mg/L (48h, <i>Daphnia magna</i>) EC50: =2850mg/L (24h, <i>Daphnia magna</i>)	-
3-Iodo-2-propynyl butylcarbamate 55406-53-6	EC50 (72 hrs) 0.022 mg/l <i>Scenedesmus subspicatus</i>	LC50 96 h 0.049 - 0.079 mg/L (<i>Oncorhynchus mykiss</i> flow-through)	-	Acute EC50 (48hrs) 0.16 mg/l - <i>Daphnia magna</i>	-
Dipropylene glycol monomethyl ether 34590-94-8	-	LC50: >10000mg/L (96h, <i>Pimephales promelas</i>)	-	LC50: =1919mg/L (48h, <i>Daphnia magna</i>)	-

Safety Data Sheet

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

Component Information

Chemical Name	Partition coefficient	Bioconcentration factor (BCF)
3-Iodo-2-propynyl butylcarbamate 55406-53-6	2.88	-
Dipropylene glycol monomethyl ether 34590-94-8	-0.064	-

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The components in this formulation do not meet the criteria for classification as PBT or vPvB.

Chemical Name	PBT and vPvB assessment
Diethylene glycol monobutyl ether 112-34-5	The substance is not PBT / vPvB PBT assessment does not apply
3-Iodo-2-propynyl butylcarbamate 55406-53-6	The substance is not PBT / vPvB PBT assessment does not apply
Dipropylene glycol monomethyl ether 34590-94-8	The substance is not PBT / vPvB

12.6. Other adverse effects

Other Adverse Effects No information available.

Endocrine Disruptor Information

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances
Propiconazole	Group III Chemical	-

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

Contaminated packaging Do not reuse empty containers. Handle contaminated packages in the same way as the product itself.

Other information Waste codes should be assigned by the user based on the application for which the product was used.

SECTION 14: Transport information

Safety Data Sheet

Note: Keep from freezing.

Land transport (ADR/RID)

14.1 UN Number UN3082
14.2 Proper Shipping Name Environmentally hazardous substances, liquid, n.o.s (3-Iodo-2-propynyl butylcarbamate, 1-[[2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole)
14.3 Transport hazard class(es) 9
Labels 9
14.4 Packing Group III
Description UN3082, Environmentally hazardous substances, liquid, n.o.s (), 9, III
14.5 Environmental hazards Yes
14.6 Special Provisions 274, 335, 601, 375
Classification Code M6
Limited Quantity (LQ) 5 L
ADR Hazard Id (Kemmler Number) 90

IMDG

14.1 UN Number UN3082
14.2 Proper Shipping Name Environmentally hazardous substances, liquid, n.o.s (3-Iodo-2-propynyl butylcarbamate, 1-[[2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole), Marine Pollutant
14.3 Transport hazard class(es) 9
14.4 Packing Group III
Description UN3082, Environmentally hazardous substances, liquid, n.o.s (), 9, III, Marine Pollutant
14.5 Marine Pollutant P
14.6 Special Provisions 274, 335, 969
Limited Quantity (LQ) 5 L
EmS-No. F-A, S-F
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available

Air transport (ICAO-TI / IATA-DGR)

14.1 UN Number UN3082
14.2 Proper Shipping Name Environmentally hazardous substances, liquid, n.o.s (3-Iodo-2-propynyl butylcarbamate, 1-[[2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole)
14.3 Transport hazard class(es) 9
14.4 Packing Group III
Description UN3082, Environmentally hazardous substances, liquid, n.o.s (3-Iodo-2-propynyl butylcarbamate, 1-[[2-(2,4-Dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole), 9, III
14.5 Environmental hazards Yes
14.6 Special Provisions A97, A158, A197
Limited Quantity (LQ) 30 kg G
ERG Code 9L

Section 15: REGULATORY INFORMATION

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

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

Safety Data Sheet

Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

EU-REACH (1907/2006) - Candidate List of Substances of Very High Concern (SVHC) for Authorization in accordance with Article 59

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical Name	CAS No.	Restricted substance per REACH Annex XVII
Diethylene glycol monobutyl ether	112-34-5	55.

CAS 112-34-5 restricted for use in aerosol products sold to general public. Products for general public with level above 3% should be labeled "Do not use in paint spraying equipment".

EU-REACH (1907/2006) - Annex XIV - List of substances subject to Authorization

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

Biocidal Products Regulation (EU) No 528/2012 (BPR)

Contains a biocide : Contains C(M)IT/MIT (3:1). May produce an allergic reaction

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

Persistent Organic Pollutants

Not applicable

15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

SECTION 16: Other information

Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H372 - Causes damage to organs through prolonged or repeated exposure

H318 - Causes serious eye damage

H317 - May cause an allergic skin reaction

H302 - Harmful if swallowed

H331 - Toxic if inhaled

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

H301 - Toxic if swallowed

H311 - Toxic in contact with skin

H330 - Fatal if inhaled

H314 - Causes severe skin burns and eye damage

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend SECTION 8: Exposure controls/personal protection

Safety Data Sheet

TWA Ceiling	TWA (time-weighted average) Maximum limit value	STEL *	STEL (Short Term Exposure Limit) Skin designation
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PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
STOT RE Specific target organ toxicity - Repeated exposure
STOT SE Specific target organ toxicity - Single exposure
EWC: European Waste Catalogue

Key literature references and sources for data

Classification and labeling data calculated from data received from raw material suppliers

Prepared By Product Safety & Regulatory Affairs

Revision Date 04-Dec-2018

Indication of changes

Revision note Not applicable.

Training Advice No information available

Further information No information available

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet