



## SAFETY DATA SHEET

### MATT BLACK HEAT RESISTING SILICONE PAINT

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

##### 1.1. Product identifier

**Product name** MATT BLACK HEAT RESISTING SILICONE PAINT  
**Product number** AR004

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

**Identified uses** PC 9a: Coatings and paints, thinners, paint removers. Silicone resin based paint for interior and exterior use on metal at operating temperatures up to 600°C

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

**Supplier** Axalta Coating Systems Huthwaite UK Ltd  
 Blackwell Road  
 Huthwaite  
 Nottinghamshire  
 United Kingdom  
 NG17 2RL  
 Tel: +44 (0)1623 510585

**Contact person** info-huthwaite@axaltacs.com

##### 1.4. Emergency telephone number

**Emergency telephone** United Kingdom: 01623 528938 (Mon-Thu 0700 - 1600 hrs, Fri 0700 - 1245 hrs).

**National emergency telephone number** Republic of Ireland: National Poison Information Centre (Ireland) Tel: 01 809 2566 (8am to 10pm)

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification (EC 1272/2008)

**Physical hazards** Flam. Liq. 2 - H225  
**Health hazards** Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Dam. 1 - H318  
**Environmental hazards** Not Classified

##### 2.2. Label elements

###### Hazard pictograms



**Signal word** Danger

**Hazard statements** H312+H332 Harmful in contact with skin or if inhaled.  
 H225 Highly flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H318 Causes serious eye damage.

## MATT BLACK HEAT RESISTING SILICONE PAINT

<b>Precautionary statements</b>	<p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P233 Keep container tightly closed.</p> <p>P261 Avoid breathing vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
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**Contains** XYLENE, BUTAN-1-OL

### Other information

#### 2.3. Other hazards

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>XYLENE</b> <span style="float: right;"><b>30-60%</b></span>		
CAS number: 1330-20-7	EC number: 215-535-7	REACH registration number: 01-2119488216-32-0000
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 3 - H226	R10 Xn;R20/21 Xi;R38	
Acute Tox. 4 - H312		
Acute Tox. 4 - H332		
Skin Irrit. 2 - H315		
Asp. Tox. 1 - H304		
<b>BUTAN-1-OL</b> <span style="float: right;"><b>10-30%</b></span>		
CAS number: 71-36-3	EC number: 200-751-6	REACH registration number: 01-2119484630-38-XXXX
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Flam. Liq. 3 - H226	R10 Xn;R22 Xi;R37/38,R41 R67	
Acute Tox. 4 - H302		
Skin Irrit. 2 - H315		
Eye Dam. 1 - H318		
STOT SE 3 - H335, H336		

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<b>ETHYLBENZENE</b>		<b>10-30%</b>
CAS number: 100-41-4	EC number: 202-849-4	REACH registration number: 01-2119489370-35-0000
<b>Classification</b> Flam. Liq. 2 - H225 Acute Tox. 4 - H332 STOT RE 2 - H373 Asp. Tox. 1 - H304	<b>Classification (67/548/EEC or 1999/45/EC)</b> F;R11 Xn;R20	
<b>TOLUENE</b>		<b>&lt;1%</b>
CAS number: 108-88-3	EC number: 203-625-9	REACH registration number: 01-2119471310-51-0000
<b>Classification</b> Flam. Liq. 2 - H225 Skin Irrit. 2 - H315 Repr. 2 - H361d STOT SE 3 - H336 STOT RE 2 - H373 Asp. Tox. 1 - H304	<b>Classification (67/548/EEC or 1999/45/EC)</b> F;R11 Repr. Cat. 3;R63 Xn;R48/20,R65 Xi;R38 R67	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**Composition comments**      The data shown are in accordance with the latest EC Directives.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Never give anything by mouth to an unconscious person. Get medical attention if any discomfort continues.
<b>Inhalation</b>	Place unconscious person on their side in the recovery position and ensure breathing can take place. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. Keep affected person under observation. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.
<b>Skin contact</b>	Rinse immediately with plenty of water. Remove contaminated clothing.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention.

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

**General information**      No data available on the mixture itself.

#### 4.3. Indication of any immediate medical attention and special treatment needed

**Notes for the doctor**      Treat symptomatically.

**Specific treatments**      Not applicable

### SECTION 5: Firefighting measures

## MATT BLACK HEAT RESISTING SILICONE PAINT

### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with the following media: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

### 5.2. Special hazards arising from the substance or mixture

**Specific hazards** The product is highly flammable. Vapours may form explosive mixtures with air.

**Hazardous combustion products** Thermal decomposition or combustion products may include the following substances: Very toxic gases or vapours. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

### 5.3. Advice for firefighters

**Protective actions during firefighting** Cool containers exposed to flames with water until well after the fire is out.

**Special protective equipment for firefighters** Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## SECTION 6: Accidental release measures

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

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground.

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

**Methods for cleaning up** Keep combustible materials away from spillage. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level.

**Advice on general occupational hygiene** Do not eat, drink or smoke when using this product. Provide eyewash station.

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

**Storage precautions** Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep away from oxidising materials, heat and flames.

**Storage class** Flammable liquid storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure controls/Personal protection

## MATT BLACK HEAT RESISTING SILICONE PAINT

### 8.1. Control parameters

#### Occupational exposure limits

##### XYLENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 220 mg/m<sup>3</sup>(Sk)

Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 441 mg/m<sup>3</sup>(Sk)

Occupational Exposure Limits (Ireland):

Long-term exposure limit (8-hour TWA): NAOSH (Ireland) OELV 8 hours; 50 ppm 221 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): NAOSH (Ireland) OELV-15 min 100 ppm 442 mg/m<sup>3</sup>

##### BUTAN-1-OL

Short-term exposure limit (15-minute): WEL 50 ppm(Sk) 154 mg/m<sup>3</sup>(Sk)

Occupational Exposure Limits (Ireland):

Long-term exposure limit (8-hour TWA): NAOSH (Ireland) OELV 8 hours; 20 ppm

##### ETHYLBENZENE

Long-term exposure limit (8-hour TWA): WEL 100 ppm 441 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 125 ppm 552 mg/m<sup>3</sup>

Sk

Occupational Exposure Limits (Ireland):

Long-term exposure limit (8-hour TWA): NAOSH (Ireland) OELV 8 hours; 100 ppm 442 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): NAOSH (Ireland) OELV-15 min 200 ppm 884 mg/m<sup>3</sup>

##### TOLUENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 191 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL 100 ppm 384 mg/m<sup>3</sup>

Sk

Occupational Exposure Limits (Ireland):

Long-term exposure limit (8-hour TWA): NAOSH (Ireland) OELV 8 hours; 50 ppm 192 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): NAOSH (Ireland) OELV-15 min 100 ppm 384 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients. All handling should only take place in well-ventilated areas.

#### Eye/face protection

The following protection should be worn: Wear tight-fitting, chemical splash goggles or face shield. Personal protective equipment for eye and face protection should comply with European Standard EN166.

#### Hand protection

Wear protective gloves. To protect hands from chemicals, gloves should comply with European Standard EN374. It is recommended that gloves are made of the following material: Fluorinated rubber (Viton); thickness 0.4mm minimum. Glove thickness is not necessarily a good measure of glove resistance as the permeation rate will depend on the exact glove composition. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.

#### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

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<b>Hygiene measures</b>	Do not eat, drink or smoke when using this product. Do not smoke in work area. Provide eyewash station. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin.
<b>Respiratory protection</b>	If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Combination filter, type A2/P2. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with European Standard EN14387.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Viscous liquid.
<b>Colour</b>	Black.
<b>Odour</b>	Characteristic.
<b>Initial boiling point and range</b>	118°C
<b>Flash point</b>	21°C Closed cup.
<b>Upper/lower flammability or explosive limits</b>	Lower flammable/explosive limit: 0.7% Upper flammable/explosive limit: 11.3%
<b>Vapour pressure</b>	Not available.
<b>Relative density</b>	0.90 - 0.95
<b>Solubility(ies)</b>	Immiscible with water.
<b>Partition coefficient</b>	Not available.
<b>Viscosity</b>	Approx 60 secs BS B4 Cup @ 20°C

#### 9.2. Other information

<b>Other information</b>	No additional information
<b>Volatile organic compound</b>	This product contains a maximum VOC content of 776 g/l.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	No test data specifically related to reactivity available for this product or its ingredients.
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#### 10.2. Chemical stability

<b>Stability</b>	No particular stability concerns.
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#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Under normal conditions of storage and use, no hazardous reactions will occur.
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#### 10.4. Conditions to avoid

<b>Conditions to avoid</b>	Avoid heat, flames and other sources of ignition.
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#### 10.5. Incompatible materials

<b>Materials to avoid</b>	Strong oxidising agents.
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#### 10.6. Hazardous decomposition products

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**Hazardous decomposition products** Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity - oral

ATE oral (mg/kg) 2,976.19

##### Acute toxicity - dermal

ATE dermal (mg/kg) 1,937.94

##### Acute toxicity - inhalation

ATE inhalation (gases ppm) 6,738.75

ATE inhalation (vapours mg/l) 16.47

ATE inhalation (dusts/mists mg/l) 2.25

**General information** Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

**Inhalation** Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing. Harmful by inhalation.

**Ingestion** Gastrointestinal symptoms, including upset stomach.

**Skin contact** Product has a defatting effect on skin. May cause allergic contact eczema. Irritating to skin. Harmful in contact with skin.

**Eye contact** Causes serious eye damage. Symptoms following overexposure may include the following: Redness. Pain.

### SECTION 12: Ecological information

**Ecotoxicity** The product is not expected to be hazardous to the environment.

#### 12.1. Toxicity

**Toxicity** No data on the mixture itself. Do not allow to enter drains or watercourses.

#### 12.2. Persistence and degradability

**Persistence and degradability** No data available.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No data available on bioaccumulation.

**Partition coefficient** Not available.

#### 12.4. Mobility in soil

**Mobility** No data available.

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

**Other adverse effects** None known.

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

<b>General information</b>	Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
<b>Disposal methods</b>	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Containers should be thoroughly emptied before disposal because of the risk of an explosion. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor.

### SECTION 14: Transport information

#### 14.1. UN number

UN No. (ADR/RID)	1263
UN No. (IMDG)	1263
UN No. (ICAO)	1263
UN No. (ADN)	1263

#### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)	PAINT
Proper shipping name (IMDG)	PAINT
Proper shipping name (ICAO)	PAINT
Proper shipping name (ADN)	PAINT

#### 14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID classification code	F1
ADR/RID label	3
IMDG class	3
ICAO class/division	3
ADN class	3

#### Transport labels



#### 14.4. Packing group

ADR/RID packing group	II
IMDG packing group	II
ICAO packing group	II
ADN packing group	II

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant  
No.



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### 14.6. Special precautions for user

EmS	F-E, S-E
ADR transport category	2
Emergency Action Code	•3YE
Hazard Identification Number (ADR/RID)	33
Tunnel restriction code	(D/E)

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

## SECTION 15: Regulatory information

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

UFI	UFI: ACKW-70J1-K00V-M4KF
EU legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Guidance	Workplace Exposure Limits EH40. 2018 Code of Practice for the Chemical Agents Regulations (HSA Ireland)

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

<b>Abbreviations and acronyms used in the safety data sheet</b>	WEL: Workplace Exposure Limit.
	OELV: Occupational Exposure Limit Value.
	ATE: Acute Toxicity Estimate.
	CAS: Chemical Abstracts Service.
	DMEL: Derived Minimal Effect Level.
	DNEL: Derived No Effect Level.
	PNEC: Predicted No Effect Concentration.
PBT: Persistent, Bioaccumulative and Toxic substance.	
vPvB: Very Persistent and Very Bioaccumulative.	
Revision date	25/02/2019
Revision	3
Supersedes date	21/12/2018

## MATT BLACK HEAT RESISTING SILICONE PAINT

### Risk phrases in full

R10 Flammable.  
R11 Highly flammable.  
R20 Harmful by inhalation.  
R20/21 Harmful by inhalation and in contact with skin.  
R22 Harmful if swallowed.  
R37/38 Irritating to respiratory system and skin.  
R38 Irritating to skin.  
R41 Risk of serious damage to eyes.  
R67 Vapours may cause drowsiness and dizziness.

### Hazard statements in full

H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H312 Harmful in contact with skin.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H361d Suspected of damaging the unborn child.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H373 May cause damage to organs (Hearing organs) through prolonged or repeated exposure.

The information in this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.