

SAFETY DATA SHEET

According to UK REACH Regulation: SI 2019/758



SECTION 1. IDENTIFICATION

1.1 Product identifiers

Product name:	Armourcoat Tactite
Chemical description:	Water-based polyurethane/acrylic paint
REACH Registrations	The ingredients in this composition have been registered by the individual suppliers

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

Identified uses:	Water-based decorative wall coating
Uses advised against	All uses not specified in this section or Section 7.3

1.3 Details of the supplier of the safety data sheet

Supplier :	Muralplast 11 Invicta Business Park London Road Wrotham Kent TN15 7RJ
Telephone	+44 (0)1732 884022 (Office hours only)
Email	LUCAS@LUCASUK.com

1.4 Emergency telephone number

<i>Emergency telephone:</i>	0344 8920555 (National Poisons Information Service) * Healthcare professionals only 111 (NHS 111 – UK only)
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SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to GB Classification, Labelling and Packaging Regulations
Not classified

2.2 Label elements

Labelling according to GB Classification, Labelling and Packaging Regulations

Product identifier	Armourcoat Tactite
Pictogram:	Not applicable
Signal word:	Not applicable
Hazard statement(s):	Contains mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction.

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	EUH210: Safety data sheet available on request
Precautionary statement(s):	P102: Keep out of the reach of children P301+330+331: IF SWALLOWED: rinse mouth. Do not induce vomiting P302+350: IF ON SKIN: Gently wash with plenty of soap and water P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing P314: Get medical advice/attention if you feel unwell P501: Dispose of contents to licensed waste contractor

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance : Not applicable

Mixture : Hazardous ingredients:

Product does not contain any hazardous ingredients at concentrations above the generic cut-off limits.

Chemical name	Identifier	Concentration [% w/w]	Classification Regulation (EC) No. 1272/2008 [CLP]
Titanium dioxide (Workplace exposure limit)	EC 236-675-5 CAS 13463-67-7 Reg: 01-2119489379-17-xxxx	< 5	Not classified
Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	EC: 611-341-5 CAS: 55965-84-9 Reg: 01-2120764691-48-xxxx	< 0.1	H301-H310 H314-H317 H318 H400-H410 (M=100)

SECTION 4. FIRST AID MEASURES

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Description of first aid measures

If inhaled:	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped administer artificial respiration. Give nothing by mouth. If unconscious place in the recovery position. Seek medical advice if symptoms develop.
In case of skin contact:	Remove contaminated clothing, wash skin thoroughly with water or soap and water. Seek medical advice if irritation develops.
In case of eye contact:	If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. Protect non-irritated eye. Remove contact lenses if present and easy to do so. Continue rinsing. Seek medical advice if irritation persists.
If swallowed	Rinse mouth with water. Do not induce vomiting. Seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

No known significant effects or critical hazards with the correct use of the product.

Skin contact	There may be mild irritation at the site of contact
Eye contact	There may be irritation and redness
Ingestion	There may be irritation of the throat
Inhalation	No symptoms

4.3 Indication of any immediate medical attention and special treatment needed

Stomach ache, nausea, eye irritation that persists, skin irritation
Obtain medical attention if a large quantity has been swallowed, or in the event of any acute or delayed symptoms. Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media	
Suitable extinguishing media:	Dry chemical, water spray, foam, carbon dioxide As appropriate for surrounding materials
Unsuitable extinguishing media	Water jet – may spread fire
5.2 Special hazards arising from the substance or mixture Thermal decomposition will evolve irritant vapours and toxic vapours – Nitrogen oxides.	
5.3 Advice for firefighters	

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Fire fighters should wear complete protective clothing including self-contained breathing apparatus.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures
Put on protective equipment. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Prevent further release by, for example, turning container so leak is upward, if safe to do so.
6.2 Environmental precautions
Minimise contamination of drains, surface- and ground waters. Contain the spillage with bunding.
6.3 Methods and materials for containment and cleaning up
Soak up with inert non-combustible absorbent material. Transfer product to suitably labelled container for disposal at an approved site. Residues and small spillages may be washed away with water.
6.4 Reference to other sections
See Sections: 8 (EXPOSURE CONCERNS/PERSONAL PROTECTION) and 13 (DISPOSAL CONSIDERATIONS)

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling	
Precautions:	Ensure good ventilation
Fire and explosion protection measures:	No specific protective measures are required
7.2 Conditions for safe storage, including any incompatibilities	
Requirements for storage areas and containers:	Store in a cool, well-ventilated place. Store in dry conditions between 5 degC - 25 degC . Protect from frost. Protect from sunlight and sources of direct heat. Keep container sealed when not in use.
Shelf life:	18 months
Incompatible products:	None known
7.3 Specific end use(s):	
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.	

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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8.1 Control parameters

WEL: Workplace Exposure Limit (UK HSE EH40)

Ingredient	LTEL (8 hours)	STEL (15 minutes)
Titanium dioxide	4 mg/m ³ (Respirable dust) 10 mg/m ³ (Total inhalable dust)	-

Biological Exposure Limits: No data available

DNEL: No data available

PNEC: No data available

Information on monitoring procedures:

Recommended monitoring procedures: Not applicable

8.2 Exposure controls

Individual protection measures, such as personal protective equipment:

Engineering controls	No specific requirements. Use outdoors or with good ventilation.
General safety and hygiene measures:	Observe the general principles of safety and hygiene. Do not eat, drink, or smoke while working. Wash your hands thoroughly before breaks and after finishing work. Wash contaminated clothing before reusing. Ensure that eyewash stations are close to the workstation location.
Respiratory protection:	Not normally required if ventilation is adequate. Where air filtering respirators are unsuitable (risk of oxygen deficiency, confined space) use appropriate positive pressure breathing apparatus.
Hand protection:	Impervious plastic or rubber gloves – Nitrile, butyl, PVC, Viton. Breakthrough time 480 minutes
Eye/face protection:	If exposure to liquid splashes or mists is possible, wear safety glasses with side shields or goggles (EN166).
Body/skin protection:	Wear overalls and boots
Control of environmental exposure:	Avoid release to the environment

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

(a) Appearance	Light grey liquid
(b) Odour	Characteristic
(c) Odour Threshold	Not determined
(d) pH	8.5-9.1
(e) Melting point/freezing point	Not applicable. Test not scientifically justified

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(f)Initial boiling point and boiling range	Not available
(g)Flash point	Not applicable. Test not scientifically justified
(h)Evaporation rate	Not applicable. Test not scientifically justified
(i)Flammability (solid, gas)	Not applicable. Product is a liquid
(j)Upper/lower flammability or explosive limits	Not applicable. Test not scientifically justified
(k)Vapour pressure	Not applicable. Test not scientifically justified
(l)Vapour density	Not applicable. Test not scientifically justified
(m)Relative density	1.04
(n) Water solubility at 20 degC	Miscible in water
(o)Partition coefficient: n-octanol/water	Not applicable. Test not scientifically justified
(p)Auto-ignition temperature	Not applicable. Test not scientifically justified
(q)Decomposition temperature	Not applicable. Test not scientifically justified
(r)Viscosity	Not available
(s)Explosive properties	Product does not contain any structural groups that possess explosive properties
(t)Oxidizing properties	Product does not contain any structural groups that possess oxidising properties
9.2 Other safety characteristics:	Volatile Organic Content (VOC) < 10 g/litre

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: Non-reactive under normal conditions of transport and storage. Does not undergo hazardous polymerization.

10.2 Chemical stability: The product is stable when used properly and stored.

10.3 Possibility of hazardous reactions: No hazardous reactions known

10.4 Conditions to avoid: Protect from sunlight and temperature above 30°C, and against freezing

10.5 Incompatible materials: None known

10.6 Hazardous decomposition products: Combustion may produce toxic and irritant vapours – Nitrogen oxides

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects (Mixture)

Acute toxicity Ingestion Inhalation Skin contact	ATE > 2000 mg/kg ATE > 20 mg/L ATE > 5000 mg/kg
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Skin corrosion/irritation	Based on available data, the classification criteria are not met
Serious eye damage/irritation	Based on available data, the classification criteria are not met
Sensitisation	May cause an allergic reaction
Carcinogenicity	Based on available data, the classification criteria are not met
Mutagenicity	Based on available data, the classification criteria are not met
Reproductive toxicity	Based on available data, the classification criteria are not met
Lactation	Based on available data, the classification criteria are not met
STOT (Specific Target Organ Toxicity) Single exposure	Based on available data, the classification criteria are not met
STOT (Specific Target Organ Toxicity) Repeated exposure	Based on available data, the classification criteria are not met
Aspiration toxicity	Based on available data, the classification criteria are not met

Symptoms/Routes of Exposure

Skin contact	There may be mild irritation at the site of contact
Eye contact	There may be irritation and redness
Ingestion	There may be irritation of the throat
Inhalation	No symptoms
Delayed/immediate effects	No data available

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity
Aquatic toxicity (Product)
Fish No data available
Daphnia magna. (24 hr) No data available
Algae (72 hr) No data available
12.2 Persistence and degradability
Biodegradable in water
12.3 Bioaccumulative potential
The product has no potential for bioaccumulation.
12.4 Mobility in soil
The product is predicted to have high mobility in soil.
12.5 Results of PBT and vPvB assessment

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Not classified as PBT or vPvB.
12.6 Other adverse effects: No data

SECTION 13. DISPOSAL CONSIDERATIONS

This material and its container must be disposed of in a safe way. Empty containers may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Consult an accredited waste disposal contractor or the local authority for advice.

European Waste Catalogue (EWC)

Waste Code 08 01 12	Waste Designation Waste paint and varnish other than those mentioned in 08 01 11
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SECTION 14. TRANSPORT INFORMATION

UN number	The product is not dangerous for road (ADR), rail (RID), sea (IMDG), and air (IATA) transport.
UN proper shipping name	Not applicable
Transport hazard class (es)	Not applicable
Packaging group	Not applicable
Environmental hazards	Not applicable
Special precautions for users	Not applicable

Transport in bulk according to Annex II of MARPOL and the IBC Code : Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations specific for the substance or mixture:

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	GB Classification, Labelling and Packaging Regulations (EC 1272/2008 as amended by The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc) (EU Exit) Regulations 2019 No. 720 Schedule 2) Paint, Varnishes and Vehicle Refinishing Products Regulations 2012: 1715 (Volatile Organic Content)
15.2 Chemical Safety Assessment	A chemical safety assessment was not carried out for this product

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SECTION 16. OTHER INFORMATION

The following sections contain revisions or new statements: Sections #1 to #16

Abbreviations

ADR	International Regulation – Carriage of goods by road
ATE	Acute Toxicity Estimate
CAS	Chemical Abstracts Service
DNEL	Derived No Effect Level
EC ***-	European Community Number
EH40	HSE EH40/2015 Workplace Exposure Limits
HSE	UK Health and Safety Executive
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organisation
LTEL	Long Term Exposure Limit (8 hours)
MARPOL	International Convention Prevent Pollution from Ships
PNEC	Predicted No-Effect Concentration
PBT	Persistent, Bioaccumulative and Toxic
RID	International Agreement – Carriage of goods by rail
STEL	Short Term Exposure Limit (15 minutes)
VOC	Volatile Organic Content
vPvB	very Persistent and very Bioaccumulative

Mixtures classification methods:

The product has been classified according to the generic concentration limits defined in the Classification, Labelling and Packaging Regulations and the ECHA guidance notes for the classification of mixtures.

Full text of H-Statements referred to under Section 2 and Section 3.

Section 2	Contains mixture of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction. EUH210: Safety data sheet available on request
Section 3	<i>H301: Toxic if swallowed</i> <i>H310 : Fatal in contact with skin</i> <i>H314: Causes severe burns and eye damage</i> <i>H317: May cause an allergic skin reaction</i> <i>H318: Causes serious eye damage</i> <i>H400: Very toxic to aquatic life</i> <i>H410: Very toxic to aquatic life with long-lasting effects</i>

References:

European Chemicals Agency

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UK and European Regulations and Directives

Published chemical directories

Suppliers' safety data sheets

UK Health and Safety Executive

The information contained in this Safety Data Sheet has been based on sources and technical knowledge as well as applicable law at European and national level, and its accuracy cannot be fully guaranteed. This information cannot be regarded as a guarantee of product properties, as it is only a description of the requirements regarding safety issues. The methods and working conditions of the users of this product are beyond the reach of our knowledge and control, so the user is responsible for taking appropriate measures to comply with legal requirements regarding the handling, storage, use and disposal of chemical products. The information contained in this Safety Data Sheet applies only to the product that must not be used for purposes other than those specified therein.