



Safety Data Sheet

According to Regulation (EC) No 1907/2006

Elaboration date: 04.01.2010

Update date: 15.03.2019

Edition 6.1

Section 1. IDENTIFICATION OF THE MIXTURE AND OF THE COMPANY

1.1 Product identifier	ATLAS SILKON ANX
1.2 Relevant identified uses of the mixture and uses advised against	<p>Base coat mass for preparation of substrates underneath of thin – coat silicone renders, for reinforcing and increasing adhesion for indoor and outdoor use.</p> <p><i>Detailed information concerning the use, properties and instruction for use of the mortar are listed in the technical data sheet/product catalogue.</i></p> <p><i>The usage not listed in the ATLAS Sp. z o. o. documents should be previously consulted with a company representative.</i></p>
1.3 Details of the supplier of the Safety Data Sheet	<p>ATLAS Sp. z o.o. Św. Teresy 105, 91-222 Łódź, Poland telephone: +48 42 631 89 45 fax: +48 42 631 89 46</p> <p>Person responsible for the Safety Data Sheet: msds@atlas.com.pl</p>
1.4 Emergency telephone number	<p>112 – alarm number for mobiles and land line phones 999 – emergency 998 – fire service 997 – police +48 800 168 083 – available Monday – Friday from 8.00 am till 4.00 pm, outside office hours information can be left on the answering machine</p>

Section 2. HAZARDS IDENTIFICATION

2.1 Classification of the mixture	Product is not classified as hazardous.
2.2 Label elements	<p>EUH 208 Contains mixture of 5-chloride-2-methyl-2H-isothiazol-3-one [EC 247-500-7] i 2-methyl-2H-isotiazol-3-one [EC 220-239-6] (3:1). May produce an allergic reaction.</p> <p>LABEL: Contains mixture of 5-chloride-2-methyl-2H-isothiazol-3-one [EC 247-500-7] i 2-methyl-2H-isotiazol-3-one [EC 220-239-6] (3:1). May produce an allergic reaction.</p>
2.3 Other hazards	According to Annex XIII of REACH Regulation on PBT and vPvB, the mixture does not meet the criteria for PBT and vPvB.

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances	Not applicable.																								
3.2 Mixtures	Mixture of water dispersion of synthetic resins, titanium white and chemical additives.																								
3.2.1a Dangerous components	<table><tr><th>Name</th><th>Registration No</th><th>Content [%]</th><th>Classification</th><th>Labeling (see point16)</th></tr><tr><td>Tetrahydro-1,3,4,6tetrakis(hydroxy methyl)imidaso[4,5d]imindasol2,5(1H,3H)-dione</td><td>CAS:5395-50-6 EC no:226-408-0</td><td>0.05-0.1</td><td>GHS 07 Skin Sens 1B</td><td>H317</td></tr><tr><td>Formaldehyde</td><td>CAS 50-00-0 EC no: 200001-8 Index. 605001-00-5 Registration: 012119488953-20</td><td>0-0.0002</td><td>GHS 06 Acute Tox. 3, GHS 07 Skin Sens. 1, GHS 05 Skin Corr. 1B, GHS 06 Acute Tox. 3 GHS 06 Acute Tox. 3 GHS 08 Muta. 2 GHS 08 Carc. 1B</td><td>H301 H317 H314 H311 H331 H341 H350</td></tr><tr><td>Mixture of 5-chloride-2-methyl-2H-isothiazol-3-one [EC 247-500-7] i 2-methyl-2H-isotiazol-3-one [EC 220-239-6] (3:1).</td><td>CAS:55965-84-9 EC:611-341-5 613-167-00-5</td><td>0-0.002</td><td>GHS 06 Acute Tox 3 GHS 06 Acute Tox 3 GHS 06 Acute Tox 3 GHS 07 Skin Sens GHS 09 Aquatic Acute 1 GHS 09Aquatic Chronic 1 GHS 05 Skin Corr 1B</td><td>H301 H311 H331 H317 H400 H410 H314</td></tr></table>	Name	Registration No	Content [%]	Classification	Labeling (see point16)	Tetrahydro-1,3,4,6tetrakis(hydroxy methyl)imidaso[4,5d]imindasol2,5(1H,3H)-dione	CAS:5395-50-6 EC no:226-408-0	0.05-0.1	GHS 07 Skin Sens 1B	H317	Formaldehyde	CAS 50-00-0 EC no: 200001-8 Index. 605001-00-5 Registration: 012119488953-20	0-0.0002	GHS 06 Acute Tox. 3, GHS 07 Skin Sens. 1, GHS 05 Skin Corr. 1B, GHS 06 Acute Tox. 3 GHS 06 Acute Tox. 3 GHS 08 Muta. 2 GHS 08 Carc. 1B	H301 H317 H314 H311 H331 H341 H350	Mixture of 5-chloride-2-methyl-2H-isothiazol-3-one [EC 247-500-7] i 2-methyl-2H-isotiazol-3-one [EC 220-239-6] (3:1).	CAS:55965-84-9 EC:611-341-5 613-167-00-5	0-0.002	GHS 06 Acute Tox 3 GHS 06 Acute Tox 3 GHS 06 Acute Tox 3 GHS 07 Skin Sens GHS 09 Aquatic Acute 1 GHS 09Aquatic Chronic 1 GHS 05 Skin Corr 1B	H301 H311 H331 H317 H400 H410 H314				
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3.2.1b Substances with specific highest allowed concentration at workplace according to EU	Dolomite powder (CAS: 16389-88-1, EC No: 240-440-2) Titanium dioxide dust containing free crystalline silica below 2% and not containing asbestos [13463-67-7] Due to the product form (thick paste) there is no possibility of aspiration of above substances into airway.
3.2.1c Persistent, bioaccumulable and toxic substances or very persistent and with strong ability to bioaccumulate substances	According to Annex XIII of REACH Regulation on PBT and vPvB, the mixture does not meet the criteria for PBT and vPvB.
Other information	<ul style="list-style-type: none">For the classification of the product the actual content of hazardous ingredients was used.Shelf life period in conditions as listed in Section 7 is 12 months from the manufacturing date shown on the packaging.

Section 4. FIRST AID MEASURES

4.1 Description of first aid measures	After inhalation: Move injured person to fresh air and observe, in case of breathing difficulties, dizziness, nausea or loss of consciousness get medical assistance immediately. In case of inhibition of breathing apply assisted ventilation or artificial respiration. After skin contact: Remove contaminated clothing. Rinse the place exposed to mixture action with water and then wash with soap. After contact with eyes: Do not rub eyes. Rinse immediately with plenty of water within min. 15 minutes, keep the eyes wide open during rinsing. Remove any contact lenses. Contact an eye specialist. After ingestion: Do not induce vomiting. Do not give anything orally. Get medical attention.
4.2 Most important symptoms and effects, both acute and delayed	Action of products of alkaline reaction onto living tissues, in contrast to acids, is always delayed, that is why one should not allow long term and direct contact of dry or ready – to – use mixtures with skin, eyes or respiratory system. Follow remarks concerning safety and use shown on the label. Immediately remove product from skin, eyes and mucosae, which allows to prevent any delayed exposure effects.
4.3 Indication of any immediate medical attention and special treatment needed	In case of any symptoms of concern get medical assistance immediately, show safety data sheet, packaging or label. In case of contact with eyes or mucosae medical consultation is recommended. Access to running water is recommended. Use protective creams in case of repeated or long term contact with skin.

Section 5. FIREFIGHTING MEASURES

In case of fire one should immediately, by all means, alarm people in the risk zone and call fire service (see: section 1.4) giving information essential for firefighting commencement (give the event site – full address, what is burning or what type of threat occurs, is there threat for human life, telephone number from which one is alarming as well as name and surname). Until fire service comes the action is led by a particularly appointed person. Each employee should obtain information concerning fire hazards at a workplace and closest environment. Workplace should be kept in proper order. Flammable materials should not be kept close to electrical devices, heaters and other heat sources.	
5.1 Extinguishing media	Suitable extinguishing media: Foam, dry powder, sand, carbon dioxide, water – spray stream Unsuitable extinguishing media: Do not use water in full stream.
5.2 Special hazards arising from the mixture	In case of fire hazardous gases (CO ₂ , CO) can form, in particular burning conditions forming of other hazardous substances is not unlikely.
5.3 Advice for firefighters	One should wear full set of protective clothing and individual breathing apparatus. Do not lead water from firefighting into aquatic environment. Use water stream to cool surfaces exposed to fire action.



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Section 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	<p>For persons not belonging to staff applying aid: Warn any people at incident area. Inform superiors and persons responsible for environmental protection/OHS of incident. Protect incident area. For persons applying help: Warn any people at incident area. Inform superiors and persons responsible for environmental protection/OHS of incident. Protect incident area. Ensure of dangers before applying further actions. Wear protective clothing and footwear as well as appropriate personal protection measures during fault resolution (see section 8.2.). Leakage: pour sorbent onto the leakage and collect into proper container, dispose waste to the authorized company.</p>
6.2 Environmental precautions	<p>Counter release of greater volume of material into environment (sewage system, ground or surface water and soil) by using self – contained sewage systems, allow to gather, in case of breaching, without possibility of its passing into environment (backup sewage system, self – contained), use of backup reservoirs or backup packaging.</p>
6.3 Methods and material for containment and cleaning up	<p>For small mixture leakages – transfer to labelled, sealed container in order to regain or dispose the product safely. Absorb the remains with absorbing material (sand) and dispose appropriately. Remove contaminated soil. Large leakage – collect mechanically or with the use of appropriate absorbent and pass to destruct. Guidelines concerning spilled material disposal shown in section 13.</p>
6.4 Reference to other sections	<p>Individual protection measures: section 8 Waste treatment: section 13</p>

Section 7. HANDLING AND STORAGE

7.1 Precautions for safe handling	<p>Avoid contact with skin and eyes. Prevent penetration to the environment. Do not eat and drink during work. Wash hands after use. Remove contaminated clothing and protective measures before entering places designated for eating.</p>
7.2 Conditions for safe storage, including any incompatibilities	<p>Keep in dry and cool place, in sealed original and labelled packages. Avoid direct sunlight, heat sources, hot surfaces and open fire. Storage temperature is between +5°C up to +30°C. Protect against freezing. Stir before use. While maintaining conditions above, no adverse reactions known.</p>
7.3 Specific end uses	<p>Use in accordance to occupational health and safety regulations. Provide proper ventilation, especially in closed rooms. Detailed information concerning the use, properties and instruction for use of the mortar are listed in the technical data sheet/product catalogue. The usage not listed in the ATLAS Sp. z o. o. documents should be previously consulted with a company representative.</p>

Section 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1 Control parameters	<p>In case of occurrence in the mixture of ingredients listed in section 3.2.1 according to Minister of Labour and Social Policy Regulation of 12 June 2018 concerning maximum allowable concentration and intensity of health harmful factors at workplace (Dz.U.2018 pos.1286), monitoring at workplace is obligatory.</p>
• TLV and STEL	<p>Dolomite dust containing free crystalline silica below 2% and not containing asbestos: - inhalable fraction TLV – 10 mg/m³ Titanium dioxide dust containing free crystalline silica below 2% and not containing asbestos [13463-67-7]: - inhalable fraction TLV – 10 mg/m³ White spirit [8052-41-3], [64742-82-1], [64742-92-0], [64742-48-9]: - TLV – 300 mg/m³ - STEL – 900 mg/m³ The mixture contains dolomite, for which TLV has been defines, but due to the product</p>



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	form – thick paste, there is no possibility of dust emission of the ingredients listed above to the workplace. Therefore monitoring of their content in air is not necessary.
• MABC	Not defined
• monitoring	Minister of Health Regulation of 2 February 2011 on testing and measurement of health harmful factors at workplace (Dz.U. 2011 No 33 pos. 166).
8.2 Exposure controls	
8.2.1 Appropriate engineering controls	Provide proper room ventilation during work with mixture and individual protection measures. Provide access to running water and do not allow to wash hands with water from a bucket used for tools washing.
8.2.2 Individual protection measures	
• respiratory protection	Not required.
• skin protection	Working clothes with long sleeves and legs with proper protection preventing the material from getting underneath. Waterproof, long working footwear. It is advisable to use the clothing and footwear resistant to this mixture. Hand protection: In case of possibility of contact with the product use protective gloves. Wear protective gloves on clean hands only. After taking the gloves off wash and dry hands thoroughly. Protective creams for hands recommended. Used or defective gloves should be immediately replaced with new ones.
• eye/face protection	Eye protection – protective goggles protecting against sprays of chemical substances (meeting the standard EN 166).
• Thermal protection	Not required
8.2.3 Environmental exposure control	
Avoid contamination outflows, watercourses and soil.	

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties	Appearance: white thick paste Odour: characteristic for acrylic dispersion Odour threshold: not applicable pH: slightly alkaline Melting point / freezing point: not applicable Initial boiling point and boiling range: above 100 °C Flash point: not applicable Evaporation rate: not applicable Flammability: non-flammable Upper / lower flammability or explosive limits: not applicable Vapour pressure: not applicable Vapour density: not applicable Relative density: approx. 1.4 g/cm ³ Solubility: in commercial form mixable in water Partition coefficient: n – octanol/water: not applicable Auto – ignitron temperature: not applicable Decomposition temperature: not applicable Viscosity: 3500 cP (measurement with Brookfield DV II + S05 20 rpm viscometer) Explosive properties: no Oxidising properties: no
9.2 Other information	Not applicable

Section 10. STABILITY AND REACTIVITY

10.1 Reactivity	Not applicable
10.2 Chemical stability	Mixture stable in ambient conditions. In temperature above 150°C polymer dispersion may decompose.
10.3 Possibility of hazardous reactions	In standard product application, without mixing with other products or substances, no adverse reactions known.
10.4 Conditions to avoid	Temperature above 150°C
10.5 Incompatible materials	Do not storage in containers made of aluminium, copper or its alloys.
10.6 Hazardous decomposition	None known for storage and use according to regulations.



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Section 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	Not applicable
Routes of entry:	
• respiratory	Not applicable.
• digestive	It is unlikely that product gets digested directly. Secondary exposure can happen during vomiting – choking. No toxic dose has been defined for mixture. It is recommended to get medical attention in case of swallowing.
• skin	Acts neutrally or causes slight skin irritation - after drying gets relatively hard to wash off, skin reddening can occur as a result of its removing from the surface, that is why one should remove the product as quick as possible.
• eyes	Acts neutral or may cause slight eye irritation – remove product as quick as possible.

Section 12. ECOLOGICAL INFORMATION

12.1 Toxicity	Not applicable
12.2 Persistence and degradability	Limited, depends on biodegradation conditions.
12.3 Bioaccumulative potential	No evidence on bioaccumulation
12.4 Mobility in soil	Mixture soluble with water.
12.5 Results of PBT and vPvB assessment	Not applicable
12.6 Other adverse effects	Not applicable

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	
Waste safe treatment:	If possible, recycle and return to circulation. Do not dispose to the environment with sewage or water. Product waste should not contaminate soil or water. Follow rules of Waste Act of 14 December 2012 (Dz.U. 2013 no 0 pos. 21) with further changes.
Packaging waste treatment:	Follow rules of Act on packaging and packaging waste of 13 June 2013 (Dz.U.2013 no.0 pos.888).
Waste code:	Product: 08 01 99 (<i>Waste from production, preparation, circulation and use as well as removal of paints and lacquers - Other not listed waste</i>) Packaging: 15 01 02 (<i>Packaging waste - Plastic packaging</i>)

Section 14. TRANSPORT INFORMATION

14.1 UN number	Not applicable
14.2 UN proper shipping name	Not applicable
14.3 Transport hazard classes	Mixture transported in original packaging does not cause hazard in transport. Does not require special treatment and labelling according to current transport regulations.
14.4 Packing group	Not applicable
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	Follow rules of Act of 1 July 2005 on amendment of act on carriage of dangerous goods by road and on amendment of some other acts (Dz.U. 2005 No 141 pos. 1184) with further changes.
14.7 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 environment regulations/ legislation specific for the mixture	
• Legal acts on the classification and labelling	Phrases indicating hazard type and qualifying conditions of safe use of hazardous mixture according to Regulation (EC) of the European Parliament and of the Council



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of packaging of substances and mixtures classification	of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (see: <i>Section 2.1 and 2.2</i>).
• Other legal acts	<ul style="list-style-type: none"> - Act on chemical substances and their mixtures of 25 February 2011 (Dz.U.2011 no.63 pos.322) with all further changes, - Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC with further changes - Commission Regulation (EU) No 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) - Minister of Health Regulation of 30 December 2004 on occupational health and safety related to occurrence of chemical factors at workplace (Dz.U.2005 No 11 pos. 86) with further changes - Minister of Economy Regulation of 21 December 2005 on fundamental requirements for individual protection measures (Dz.U.2005 No 259 pos. 2173) - Government Declaration of 24 September 2002 on coming into effect of amendments to Appendix A and B to European Agreement concerning International Carriage of Dangerous Goods by Road (ADR), concluded in Geneva on 30 September 1957 (Dz.U.2002 No 194 pos.1629) with further changes - Act of 20 April 2004 on amendment and repealing of some acts in relation to gaining the European Union membership by the Republic of Poland (Dz.U.2004 No 96 pos. 959) - Minister of Economy, Labour and Social Policy Regulation of 26 September 1997 on general occupational health and safety rules (Dz.U.1997 No 129 pos. 844) with further changes - Minister of the Environment Regulation of 9 December 2014 on waste catalogue (Dz.U.2014 No 0 pos.1923) - Minister of Economy Regulation of 29 January 2013 on the regulations on manufacturing, turnover or application of hazardous substances and mixtures and introduction into turnover or application of substances which contain hazardous substances or mixtures (Dz. U. 2013 no. 0 pos. 1314) - Minister of Economy Regulation of 10 October 2013 on the application of limits mentioned in appendix XVII, regulation no 1907/2006 (Dz. U. 2013 no 0 pos. 1314) - Regulation of 9 October 2015 on biocidal products (Dz.U. 2015 no 0 pos. 1926)

Section 16. OTHER INFORMATION



List of H - phrases	<ul style="list-style-type: none"> • H301 - Toxic if swallowed • H302 - Harmful if swallowed • H311 - Toxic in contact with skin • H331 - Toxic if inhaled • H314 - Causes severe skin burns and eye damage • H317 - May cause an allergic skin reaction • H318 - Causes serious eye damage • H330 - Fatal if inhaled • H341 - Suspected of causing genetic defects • H400 - Very toxic to aquatic life • H410 - Very toxic to aquatic life with long-lasting effects <p><i>Symbols and phrases above refer to hazards caused by pure substances listed in point 3. They do not refer to mixture.</i></p>
List of abbreviations and acronyms	<p>CAS No – Chemical Abstract Service number</p> <p>EC No – number assigned to a chemical substance in the European Inventory of</p>



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	<p>Existing Chemical Substances, or number assigned to a substance in the European List of Notified Chemical Substances, or number in the list of chemical substances provided in the "No-longer polymers" publication.</p> <p>CMR substance/mixture – carcinogenic, mutagenic or toxic for reproduction substance/mixture.</p> <p>TLV – Threshold Limit Value</p> <p>STEL – Short – term Exposure Limit.</p> <p>TLV-C – Ceiling limit - absolute exposure limit that should not be exceeded at any time</p> <p>vPvB – very Persistent very Bioaccumulative</p> <p>PBT – Persistent, Bioaccumulative, and Toxic</p> <p>PNEC - Predicted no-effect concentration</p> <p>DNEL - Derived no-effect level</p> <p>LD50 – Lethal Dose 50%</p> <p>LC50 - Lethal concentration, 50%</p> <p>LOEC - Lowest Observed Effect Concentration/Level</p> <p>NOEL - No Observed Effect Level oder Concentration</p> <p>ADR/RID – international agreement concerning the carriage of dangerous goods by road</p> <p>IMDG - International Maritime Dangerous Goods Code</p> <p>ICAO/IATA - international agreement concerning the carriage of dangerous goods by air</p> <p>UVCB - Unknown or variable composition, complex reaction product or biological origin</p> <p>DSB – allowed concentration in biological material</p> <p>GHS01-09 – Globally Harmonized System of Classification and Labelling of Chemicals</p> <p>Flam Liq. – Flammable liquid</p> <p>Acute Tox. – Acute Toxicity</p> <p>Skin Corr. – Corrosive on skin</p> <p>Skin Irrit. – Irritative on skin</p> <p>Resp. Sens. - Respiratory Sensitization</p> <p>Skin Sens. – Skin Sensitization</p> <p>Muta. – Mutagenic on germ cells</p> <p>Carc. – Carcinogenic</p> <p>Repr. – Harmful to reproduction</p> <p>STOT SE - Specific Target Organ Toxicity - single exposure</p> <p>STOT RE - Specific Target Organ Toxicity - repeat exposure</p> <p>Asp. Tox. – Aspiration Toxicity</p> <p>Aquatic Acute – Acute for aquatic environment</p> <p>Aquatic Chronic – Chronic for aquatic environment</p>
Training advice	Not applicable
Limitations of use	Not applicable
Other	<ul style="list-style-type: none">• Safety Data Sheet elaborated in ATLAS Sp. z o.o.• According to definition of the Regulation (EC) No. 1907/2006 of the European Parliament and of the Council, product is a mixture and is not subject to registration in REACH system.• According to Regulation (EC) No. 1272/2008 of the European Parliament and the Council, after 01 June 2015 mixtures are classified, labelled and packed according to CLP Regulation listed above.• According to Regulation (EC) No. 1272/2008 of the European Parliament and the Council, mixtures placed on the market before 01 June 2015 and holding old classification, stay on the market until 01 June 2017 with appropriate safety data sheet.
Key literature basing on which this safety data sheet has been prepared	The information on this data sheet reflects the currently available knowledge and has been gathered with regard to safety requirements, simultaneously not guaranteeing product properties. The data sheet does not release the user from applying the legislation, administrative and product rules, occupational health and safety rules.



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	In elaboration of the data sheet the Center for Construction Research and Training and ECA (European Cement Association - Cembureau) library was used.
Indication of changes in case of an update	Changes in the safety data sheet in relation to the previous edition marked in the text with this mark: 