Safety Data Sheet according to Regulation (EU) 2015/830 Date of issue: 9/8/2016 Revision date: 7/6/2018



Version: 2.0

	ubstance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Mixture
Product name	: ARDEX CA 20 P
Product code	: 23959
4.2 Delevent identified uses of the ev	whether a minimum and uses advised assist
	ubstance or mixture and uses advised against
1.2.1. Relevant identified uses	
Main use category	: Construction materials
Use of the substance/mixture	: Tiling
1.2.2. Uses advised against	
No additional information available	
1.3. Details of the supplier of the safe	ety data sheet
Supplier	
Ardex UK Limited	
Homefield Road	
CB9 8QP Haverhill Suffolk T 01440 714939 - F 01440 716667	
	ible for the SDS : <u>safetydatasheets@ardex.co.uk</u>
1.4. Emergency telephone number	
Emergency number	: +44 (0) 870 190 6777
	24 Hours
Classification according to Regulation (EC Not classified	C) No. 1272/2008 [CLP]
Adverse physicochemical, human health a	and environmental effects
Adverse physicochemical, human health a To our knowledge, this product does not pres practice.	and environmental effects sent any particular risk, provided it is handled in accordance with good occupational hygiene and safety
To our knowledge, this product does not pres	
To our knowledge, this product does not pres practice.	sent any particular risk, provided it is handled in accordance with good occupational hygiene and safety
To our knowledge, this product does not prespractice. 2.2. Label elements	sent any particular risk, provided it is handled in accordance with good occupational hygiene and safety
To our knowledge, this product does not prespractice. 2.2. Label elements Labelling according to Regulation (EC) No	ent any particular risk, provided it is handled in accordance with good occupational hygiene and safety <b>b. 1272/2008 [CLP]</b>
To our knowledge, this product does not prespractice. 2.2. Label elements Labelling according to Regulation (EC) No EUH-statements Extra phrases	<ul> <li>b. 1272/2008 [CLP]         <ul> <li>EUH210 - Safety data sheet available on request.</li> <li>Dispose of contents/container in accordance with regional/national/international/local</li> </ul> </li> </ul>
To our knowledge, this product does not prespractice.  2.2. Label elements Labelling according to Regulation (EC) No EUH-statements Extra phrases  2.3. Other hazards	<ul> <li>b. 1272/2008 [CLP]</li> <li>c. EUH210 - Safety data sheet available on request.</li> <li>c. Dispose of contents/container in accordance with regional/national/international/local regulations.</li> </ul>
To our knowledge, this product does not prespractice. 2.2. Label elements Labelling according to Regulation (EC) No EUH-statements Extra phrases	<ul> <li>b. 1272/2008 [CLP]         <ul> <li>EUH210 - Safety data sheet available on request.</li> <li>Dispose of contents/container in accordance with regional/national/international/local</li> </ul> </li> </ul>
To our knowledge, this product does not prespractice.  2.2. Label elements Labelling according to Regulation (EC) No EUH-statements Extra phrases  2.3. Other hazards Other hazards not contributing to the	<ul> <li>b. 1272/2008 [CLP]</li> <li>c. EUH210 - Safety data sheet available on request.</li> <li>c. Dispose of contents/container in accordance with regional/national/international/local regulations.</li> </ul>
To our knowledge, this product does not prespractice.  2.2. Label elements Labelling according to Regulation (EC) No EUH-statements Extra phrases  2.3. Other hazards Other hazards not contributing to the classification	<ul> <li>b. 1272/2008 [CLP]</li> <li>c. EUH210 - Safety data sheet available on request.</li> <li>c. Dispose of contents/container in accordance with regional/national/international/local regulations.</li> </ul>
To our knowledge, this product does not prespractice.  2.2. Label elements Labelling according to Regulation (EC) No EUH-statements Extra phrases  2.3. Other hazards Other hazards not contributing to the classification PBT: not relevant – no registration required	<ul> <li>SVHC: Contains no substance on the REACH candidate list &gt; 0,1 %.</li> </ul>
To our knowledge, this product does not prespractice. 2.2. Label elements Labelling according to Regulation (EC) No EUH-statements Extra phrases 2.3. Other hazards Other hazards not contributing to the classification PBT: not relevant – no registration required vPvB: not relevant – no registration required	<ul> <li>SVHC: Contains no substance on the REACH candidate list &gt; 0,1 %.</li> </ul>
To our knowledge, this product does not prespractice. 2.2. Label elements Labelling according to Regulation (EC) No EUH-statements Extra phrases 2.3. Other hazards Other hazards not contributing to the classification PBT: not relevant – no registration required vPvB: not relevant – no registration required SECTION 3: Composition/informat	<ul> <li>SVHC: Contains no substance on the REACH candidate list &gt; 0,1 %.</li> </ul>

## Safety Data Sheet

according to Regulation (EU) 2015/830

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Amidwachs	(CAS-No.) 198028-14-7 (EC-No.) 907-495-0 (REACH-no) 01-211954565-35	1 - < 5	Aquatic Chronic 3, H412
3-aminopropyltrimethoxysilane	(CAS-No.) 13822-56-5 (EC-No.) 237-511-5 (REACH-no) 01-211951059-45	1 - < 3	Eye Dam. 1, H318 Skin Irrit. 2, H315

Full text of H-statements: see section 16

Symptoms/effects       : if symptoms persist call a doctor.         4.3. Indication of any immediate medical attention and special treatment needed         Treat symptomatically.         SECTION 5: Firefighting measures         Suitable extinguishing media       : Water spray. Dry powder. Foam. Carbon dioxide.         Unsuitable extinguishing media       : Do not use a heavy water stream.         5.1. Extinguishing media       : Not dangerous.         Explosion hazard       : Not dangerous.         Explosion hazard       : Note.         Reactivity in case of fire       : Product is not explosive.         Hazardous decomposition products in case of       : On combustion, forms: carbon oxides (CO and CO2).         Firefighting instructions       : Contain the extinguishing fluids by bunding.         Proceautionary measures fire       : Evacuate area.         Firefighting instructions       : Contain the extinguishing fluids by bunding.         Protection during firefighting       : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.         Other information       : Do not attempt or take action without suitable protective equipment a serious slipping hazard.         6.1. For non-mergency personnel       Protective equipment to use, see section 8.         Energency procedures       : Absorb spillage to prevent material damage. Spills of this product present a serio	SECTION	I. First aid measures	
First-aid measures general       :       Remove dirty clothes.         First-aid measures after inhication       :       Remove person to fresh and keep comfortable for breathing.         First-aid measures after eye contact       :       IF IN EYES: Rines cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.         First-aid measures after ingestion       :       Call a poison center or a doctor if you feel unwell. Do not induce vomiting.         4.2.       Most important symptoms and effects. both acute and delayed Symptoms/effects       :       If symptoms series is call a doctor.         4.3.       Indication of any immediate medical attention and special treatment needed       Treat symptomatically.         Stotable extinguishing media       :       Water spray. Dry powder. Foam. Carbon dioxide.         Unsutable extinguishing media       :       Not dangerous.         Explosion hazard       :       Not dangerous.         Explosion hazard       :       Not congerous.         Explosion freeffighters       :       Evacuate area.         Piredutionary measures fire       :       Evacuate area.			
First-aid measures after inhalation       : Remove person to fresh air and keep comfortable for breathing.         First-aid measures after six in contact       : Wash skin with plenty of water.         First-aid measures after six in contact       : Wash skin with plenty of water.         First-aid measures after six in contact       : Wash skin with plenty of water.         First-aid measures after six in contact       : Call a poison center or a doctor if you feel unwell. Do not induce vomiting.         42. Most important symptoms and effects, both acute and delayed			
First-aid measures after skin contact       Wash skin with plenty of water.         First-aid measures after eye contact       If IN EYES: Rine cautiously with water for several minutes. Remove contact lenses, if present and easy to G. Continue minism.         42. Most important symptoms and effects, both acute and delayed       Symptoms/effects         23. Most important symptoms and effects. both acute and delayed       Important symptoms and effects.         54. Most important symptoms and effects. both acute and delayed       Important symptoms.         55. Extinguishing media       : Water spray. Dry powder. Foam. Carbon dioxide.         54. Subtable extinguishing media       : Do not use a heavy water stream.         55. Special hazards arising from the substance or mixture       Important symptoms: Stream in the substance or mixture         Fire hazard       : None.         Fire hazard       : None.         Productis in despiosive.       Hezardous decomposition products in case of ito no combustion, forms: carbon oxides (CO and CO2).         fire       : Evacuate area.         Firefighting instructions       : Evacuate area.         Firefighting instructions       : Do not attempt to take a ction without suitable protective equipment. Self-contained breathing apparatus.         Other information       : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.         Stavector firefighting       : Do no		-	
First-aid measures after eye contact       : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to 0. Continue rinsing.         First-aid measures after ingestion       : Call a poison center or a doctor if you feel unwell. Do not induce vorniting.         4.3.       Indication of any immediate medical attention and special treatment needed         Treat symptomatically.         SECTION 5: Firstighting measures       :         Solution is a symptomic and special treatment needed         Treat symptomatically.         Section is a symptomic and special treatment needed         Suitable extinguishing media       :         S.1       Extinguishing media         :       Do to use a heavy water stream.         5.2       Special hazards arising from the substance or mixture         Fire hazard       :       Not dangerous.         Explosion hazard       :       Not dangerous.         Explosion hazard       :       None.         Reactivity in case of fire       :       Product is not explosive.         Hazardous decomposition products in case of       :       On combustion, forms: carbon oxides (CO and CO2).         firefighting instructions       :       Contain the extinguishing fluids by bunding.         Protection during firefightins       :       Do not altempt to take action wit			
and easy to do. Continue rinsing. First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell. Do not induce vomiting. <b>4.2. Most important symptoms and affects, both acute and dolayed</b> Symptomselflects : If symptoms persist call a doctor. <b>4.3. Indication of any immediate medical attention and special treatment needed</b> Treat symptomatically. <b>SECTION 5: Firefighting media</b> : Water spray. Dry powder. Foam. Carbon dioxide. Unusutable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide. <b>5.1. Extinguishing media</b> : Do not use a heavy water stream. <b>5.2. Special hazards arising from the substance or mixture</b> Fire hazard : Not dangerous. <b>5.2. Special hazards arising from the substance or mixture</b> Fire hazard : Not dangerous. <b>5.2. Advice for firefighters</b> Precludio a composition products in case of : On nombustion, forms: carbon oxides (CO and CO2). Iffer <b>5.3. Advice for firefighters</b> Precludion y measures fire : Evacuate area. Firefighting instructions : Contain the extinguishing fluids by bunding. Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. <b>5.1. Personal precautions, protective equipment and emergency procedures</b> <b>6.1. Personal precautions, protective equipment and emergency procedures</b> <b>6.1. For on-emergency personal</b> <b>6.1. For on-emergency personal</b> <b>6.1. For non-emergency personal</b> <b>6.1. For non-emergency personal</b> <b>7.</b> Abords pillage to prevent material damage. Spills of this product present a serious slipping hazard. <b>6.1. For non-emergency responders</b> <b>6.2. Meviconment I precautions</b> <b>7.</b> Abords and material for containment and energency procedures <b>6.3. Methods and material for containment and elevent</b> . <b>6.4. For one-emergency responders</b> <b>7.</b> Abords pillage to prevent material damage. Spills of this product present a serious slipping hazard. <b>8.5. Methods and material for containment and eleaning up</b> For containment : Collect spilla			
4.2. Most important symptoms and effects, both acute and delayed         Symptoms/effects       : If symptoms persist call a doctor.         4.3. Indication of any immediate medical attention and special treatment needed       Treat symptomatically.         SECTION 5: Firefighting media       ::::::::::::::::::::::::::::::::::::		-	and easy to do. Continue rinsing.
Symptoms/effects       : if symptoms persist call a doctor.         4.3.       Indication of any immediate medical attention and special treatment needed         Treat symptomatically.         SECTION 5: Firofighting media         Suitable extinguishing media         Interstructure         Suitable extinguishing functions or mixture         Firefighting instructions         Suitable protective finforfighters         Protecutid uring fir	First-aid meas	ures after ingestion	: Call a poison center or a doctor if you feel unwell. Do not induce vomiting.
4.3. Indication of any immediate medical attention and special treatment needed         Treat symptomatically.         Section S. Firefighting measures         5.1. Extinguishing media         Suitable extinguishing media         Suitable extinguishing media         Suitable extinguishing media         Bottable extinguishing media         Suitable extinguishing media         Tree extinguishing media         Suitable extinguishing media         Suitable extinguishing media         Suitable extinguishing media         None.         Reactivity in case of fire         Product is not explosive.         Heazardous decomposition products in case of         Protection during firefighting         Protection during firefighting         Suitable extinguishing media         Suitable extinguishing media<	4.2. Mos	t important symptoms and effect	s, both acute and delayed
Treat symptomatically.         SECTION 5: Firefighting media         5.1.       Extinguishing media         Suitable extinguishing media       : Do not use a heavy water stream.         5.2.       Special hazards arising from the substance or mixture         Fire hazard       : Not dangerous.         Explosion hazard       : Not dangerous.         Reactivity in case of fire       : Product is not explosive.         Hazardous decomposition products in case of : On combustion, forms: carbon oxides (CO and CO2).         Fire       : Evacuate area.         Firefighting instructions       : Contain the extinguishing fluids by bunding.         Protection during firefighting       : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.         Other information       : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.         Stocklooptic in constructive equipment and emergency procedures         6.1.       Personal procautions, protective equipment and emergency procedures         6.1.1. For non-emergency personnel         Protective equipment       : Concerning personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         6.1.1. For non-emergency procedures       : Avoid contact with skin and eyes.         6.1.2. For emergency responders	Symptoms/effe	ects	: If symptoms persist call a doctor.
SECTION 5: Firefighting meala         5.1. Extinguishing media         Suitable extinguishing media         Suitable extinguishing media         Suitable extinguishing media         S.2. Special hazards arising from the substance or mixture         Fire hazard       : Not dangerous.         Explosion hazard       : None.         Reactivity in case of fire       : Product is not explosive.         Hazardous decomposition products in case of       : On combustion, forms: carbon oxides (CO and CO2).         Fire       Freedulionary measures fire       : Evacuate area.         Firefighting instructions       : Contain the extinguishing fluids by bunding.         Protection during firefighting       : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.         Other information       : Do not attempt to take action without suitable protective equipment. Self-contained breathing hazard.         Selection 0 4: Accidental release measures       : Absorb spillage to prevent material damage. Spills of this product present a serious slipping hazard.         6.1. For non-emergency personnel       : Protective equipment         Protective equipment       : Concerning personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         6.1. For emergency personnel       : Do not attempt to take action without suitable protective equipment.<	4.3. India	cation of any immediate medical	attention and special treatment needed
5.1. Extinguishing media       :       Water spray. Dry powder. Foam. Carbon dioxide.         Suitable extinguishing media       :       Do not use a heavy water stream.         5.2. Special hazards arising from the subsurs or mixture       Image: Special hazards arising from the subsurs or mixture         Frie hazard       :       Not dangerous.         Explosion hazard       :       Not is not explosive.         Hazardous decomposition products in case of ir       :       Product is not explosive.         Hazardous decomposition products in case of ir       :       On on attempt to take action oxides (CO and CO2).         Freeduitonary measures fire       :       :       Contain the extinguishing fluids by bunding.         Production during firefighting       :       Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.         Other information       :       Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.         Other information       :       Do not attempt to take action without suitable protective equipment. Self-contained breathing hazard.         6.1.       Personal precautions, protective equipment to an emergency procedures       :         6.1.       For non-emergency personal       :         Benergency procedures       :       Avoid contact with skin and eyes.	Treat symptom	natically.	
Suitable extinguishing media       : Water spray. Dry powder. Foam. Carbon dioxide.         Unsuitable extinguishing media       : Do not use a heavy water stream.         5.2.       Special hazards arising from the subtance or mixture         Fire hazard       : Not dangerous.         Explosion hazard       : None.         Reactivity in case of fire       : Product is not explosive.         Hazardous decomposition products in case of : On combustion, forms: carbon oxides (CO and CO2).         Fire       : Evacuate area.         Firefighting instructions       : Contain the extinguishing fluids by bunding.         Protection during firefighting       : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.         Other information       : Do not allow run-off from fire-fighting to enter drains or water courses.         SECETION 6: Acccidental release measures       : Absort spillage to prevent material damage. Spills of this product present a serious slipping hazard.         6.1. For non-emergency personnel       : Concerning personal protective equipment. For further information refer to section 8: "Exposure controls/personal protective equipment. For further information refer to section 8: "Exposure controls/personal protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         6.1. For emergency responders       : Avoid contact with skin and eyes.         6.2. Environmental precautions       : D	SECTION 5	5: Firefighting measures	
Unsuitable extinguishing media : Do not use a heavy water stream. 5.2. Special hazards arising from the substance or mixture Fire hazard : None. Reactivity in case of fire : Product is not explosive. Hazardous decomposition products in case of : On combustion, forms: carbon oxides (CO and CO2). fire : Contain the extinguishing fluids by bunding. Protecutionary measures fire : Evacuate area. Firefighting instructions : Contain the extinguishing fluids by bunding. Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Other information : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Contain the extinguishing fluids by bunding. Protection during firefighting instructions : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Other information : Do not attempt to take action without suitable protective equipment a serious slipping hazard. 6.1. Personal precautions, protective equipment and emergency procedures General measures : Absorb spillage to prevent material damage. Spills of this product present a serious slipping hazard. 6.1.1. For non-emergency personnel Protective equipment : Concerning personal protective equipment to use, see section 8. Emergency procedures : Avoid contact with skin and eyes. 6.1.2. For emergency responders For containment Prevent entry to severs and public waters. 6.1.3. Methods and material for containmet to severs and public waters. 6.1.4. Methods and material for containmet and cleaning up For containment Prevent entry to severs and public waters. 6.3. Methods and material for containmet and cleaning up For containment Prevent entry to severs and public waters. 6.4. Methods and material for containmet and cleaning up For containment Prevent entry is severs and public waters. 6.3. Methods and material for containmet and cleaning up For containment Prevent entry is e	5.1. Exti	nguishing media	
5.2.       Special hazards arising from the substance or mixture         Fire hazard       Not dangerous.         Explosion hazard       None.         Reactivity in case of fire       Product is not explosive.         Hazardous decomposition products in case of       On combustion, forms: carbon oxides (CO and CO2).         fire       Frequencing instructions         5.3.       Advice for firefighters         Precautionary measures fire       Evacuate area.         Firefighting instructions       : Contain the extinguishing fluids by bunding.         Protection during firefighting       : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.         Other information       : Do not attempt to refighting to enter drains or water courses.         SECTION 6: Accidental release measures       : Absorb spillage to prevent material damage. Spills of this product present a serious slipping hazard.         6.1.       For non-emergency personnel         Protective equipment       : Concerning personal protective equipment to use, see section 8.         Emergency procedures       : Avoid contact with skin and eyes.         6.1.1. For non-emergency responders       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         6.2. Environmental precautions       : Do not attempt to t	Suitable exting	guishing media	: Water spray. Dry powder. Foam. Carbon dioxide.
Fire hazard       : Not dangerous.         Explosion hazard       : None.         Reactivity in case of fire       : Product is not explosive.         Hazardous decomposition products in case of fire       : On combustion, forms: carbon oxides (CO and CO2).         5.3.       Advice for firefighters         Precatultonary measures fire       : Evacuate area.         Firefighting instructions       : Contain the extinguishing fluids by bunding.         Protection during firefighting       : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.         Other information       : Do not allow run-off from fire-fighting to enter drains or water courses.         SECTION 6: Accidental release measures       : Abords on protective equipment and emergency procedures         General measures       : Abord son't splilage to prevent material damage. Spills of this product present a serious slipping hazard.         6.1.1.       For non-emergency personnel         Protective equipment       : Concerning personal protective equipment. For further information refer to section 8: "Exposure controls/personal protective equipment. For further information         6.1.2.       For emergency responders         Protective equipment       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         6.1.2.       Environmental prec	Unsuitable ext	inguishing media	: Do not use a heavy water stream.
Fire hazard       : Not dangerous.         Explosion hazard       : None.         Reactivity in case of fire       : Product is not explosive.         Hazardous decomposition products in case of fire       : On combustion, forms: carbon oxides (CO and CO2).         5.3.       Advice for firefighters         Precatultonary measures fire       : Evacuate area.         Firefighting instructions       : Contain the extinguishing fluids by bunding.         Protection during firefighting       : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.         Other information       : Do not allow run-off from fire-fighting to enter drains or water courses.         SECTION 6: Accidental release measures       : Abords on protective equipment and emergency procedures         General measures       : Abord son't splilage to prevent material damage. Spills of this product present a serious slipping hazard.         6.1.1.       For non-emergency personnel         Protective equipment       : Concerning personal protective equipment. For further information refer to section 8: "Exposure controls/personal protective equipment. For further information         6.1.2.       For emergency responders         Protective equipment       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         6.1.2.       Environmental prec	5.2. Spe	cial hazards arising from the sub	stance or mixture
Explosion hazard       : None.         Reactivity in case of fire       : Product is not explosive.         Hazardous decomposition products in case of ire       : On combustion, forms: carbon oxides (CO and CO2).         5.3. Advice for firefighters       : Evacuate area.         Precautionary measures fire       : Evacuate area.         Firefighting instructions       : Contain the extinguishing fluids by bunding.         Protection during firefighting       : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.         Other information       : Do not atlow run-off from fire-fighting to enter drains or water courses.         SECTION 6: Accidental release measures       : Absorb spillage to prevent material damage. Spills of this product present a serious slipping hazard.         6.1. Personal precautions, protective equipment and emergency procedures       : Avoid contact with skin and eyes.         6.1.1. For non-emergency personnel       : Concerning personal protective equipment to use, see section 8.         Emergency procedures       : Avoid contact with skin and eyes.         6.1.2. For emergency responders       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8. "Exposure controls/personal protection"."         6.2. Environmental precautions       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8. "Exposure controls/personal protection"."<	Fire hazard		
Reactivity in case of fire       : Product is not explosive.         Hazardous decomposition products in case of fire       : On combustion, forms: carbon oxides (CO and CO2).         5.3.       Advice for firefighters         Precautionary measures fire       : Evacuate area.         Firefighting instructions       : Contain the extinguishing fluids by bunding.         Protection during firefighting       : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.         Other information       : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.         Other information       : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.         Other information       : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.         Other information       : Do not attempt to take action without suitable protective equipment. Self-contained breathing hazard.         6.1.       Personal precautions, protective equipment and emergency procedures         Ganeral measures       : Absorb spillage to prevent material damage. Spills of this product present a serious slipping hazard.         6.1.       For non-emergency personnel         Protective equipment       : Concerning personal protective equipment to use, see section 8.         Erroregency responders       : Do not attempt to take action without	Explosion haza	ard	
Hazardous decomposition products in case of free       : On combustion, forms: carbon oxides (CO and CO2).         5.3.       Advice for firefighters       : Evacuate area.         Precautionary measures fire       : Evacuate area.         Firefighting instructions       : Contain the extinguishing fluids by bunding.         Protection during firefighting       : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.         Other information       : Do not attempt to take action without suitable protective equipment. Self-contained breathing hazard.         6.1.       Personal precautions, protective equipment and emergency procedures         General measures       : Absorb spillage to prevent material damage. Spills of this product present a serious slipping hazard.         6.1.       For non-emergency personnel         Protective equipment       : Concerning personal protective equipment to use, see section 8.         Emergency procedures       : Avoid contact with skin and eyes.         6.1.1.       For emergency responders         Protective equipment       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         6.1.       For emergency responders         Protective equipment       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal			: Product is not explosive.
5.3. Advice for firefighters         Precautionary measures fire       E Vacuate area.         Firefighting instructions       : Contain the extinguishing fluids by bunding.         Protection during firefighting       : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.         Other information       : Do not allow run-off from fire-fighting to enter drains or water courses.         SECTION 6: Accidental release measures       6.1. Personal precautions, protective equipment and emergency procedures         General measures       : Absorb spillage to prevent material damage. Spills of this product present a serious slipping hazard.         6.1.1. For non-emergency personnel       Protective equipment         Protective equipment       : Concerning personal protective equipment to use, see section 8.         Emergency procedures       : Avoid contact with skin and eyes.         6.1.2. For emergency responders       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         6.2. Environmental precautions       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         6.3. Methods and material for containment and cleaning up       : Collect spillage.         For containment       : Collect spillage.         Methods for cleaning up       : Mec	Hazardous de		
Precautionary measures in       Evacuate area.         Firefighting instructions       : Contain the extinguishing fluids by bunding.         Protection during firefighting       :: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.         Other information       :: Do not allow run-off from fire-fighting to enter drains or water courses.         SECTION 6: Accidental release measures       6.1. Personal precautions, protective equipment and emergency procedures         General measures       : Absorb spillage to prevent material damage. Spills of this product present a serious slipping hazard.         6.1.1. For non-emergency personnel       Protective equipment         Protective equipment       : Concerning personal protective equipment to use, see section 8.         Emergency procedures       : Avoid contact with skin and eyes.         6.1.2. For emergency responders       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         6.2. Environmental precautions       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         6.3. Methods and material for containment and cleaning up       : Collect spillage.         For containment       : Collect spillage.         Methods for cleaning up       : Mechanically recover the product. Take up small spills with dry che			
Firefighting instructions       : Contain the extinguishing fluids by bunding.         Protection during firefighting       : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus.         Other information       : Do not allow run-off from fire-fighting to enter drains or water courses.         SECTION 6: Accidental release measures       6.1.         6.1.       Personal precautions, protective equipment and emergency procedures         General measures       : Absorb spillage to prevent material damage. Spills of this product present a serious slipping hazard.         6.1.1.       For non-emergency personnel         Protective equipment       : Concerning personal protective equipment to use, see section 8.         Emergency procedures       : Avoid contact with skin and eyes.         6.1.2.       For emergency responders         Protective equipment       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         6.1.2.       For emergency responders         Protective equipment       : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".         6.2.       Environmental precautions         Avoid release to the environment. Prevent entry to severs and public waters.         6.3.       Methods and material for co			
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	Methods for cl	eaning up	: Mechanically recover the product. Take up small spills with dry chemical absorbent.
	Other informat	ion	: Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

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6.4. Reference to other sections	
For further information refer to section 13	. See Heading 8.
<b>SECTION 7: Handling and stor</b>	age
7.1. Precautions for safe handling	
Additional hazards when processed	: See Heading 8.
Precautions for safe handling	: Ensure good ventilation of the work station. Avoid contact with skin and eyes.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Take off contaminated clothing and wash it before reuse.
7.2. Conditions for safe storage, i	ncluding any incompatibilities
Storage conditions	: Store in original container. Protect from sunlight.
Storage area	: Store away from heat. Keep out of frost.
7.3. Specific end use(s)	
No additional information available	
<b>SECTION 8: Exposure controls</b>	/personal protection
8.1 Control parameters	• •

## 8.1. Control parameters

Contains no substances with occupational exposure limits

## 8.2. Exposure controls

## Appropriate engineering controls:

Ensure good ventilation of the work station.

## Personal protective equipment:

Respiratory protection not required in normal conditions.

## Hand protection:

Wear suitable gloves. Recommended materials

Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Natural rubber, Latex, Butyl rubber, Nitrile rubber (NBR)	3 (> 60 minutes)	0,1		
Reusable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0,7		EN 374

## Eye protection:

Safety glasses

## Skin and body protection:

Wear suitable protective clothing

## Respiratory protection:

No specific measures are necessary. In case of inadequate ventilation wear respiratory protection.



## Environmental exposure controls:

Avoid release to the environment.

7/6/2018	CD on	2/6
Melting point	: Not applicable	
Relative evaporation rate (butylacetate=1)	: No data available	
рН	: Not applicable	
Odour threshold	: Not applicable	
Odour	: odourless.	
Colour	: Various.	
Appearance	: Paste.	
Physical state	: Solid	
9.1. Information on basic physical an	d chemical properties	
SECTION 9: Physical and chemical properties		

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according	.0	regulation	(-0)	2010/000

Freezing point	: No data available
Boiling point	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: Not determined
Relative vapour density at 20 °C	: Not determined
Relative density	: 1.444 (ISO 1183 B) (25°C / 77.0!F)
Density	: 1.1 - 1.3 g/cm <sup>3</sup>
Solubility	: practically insoluble.
Log Pow	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: Not applicable Not applicable

#### Other information 9.2.

: < 0 % VOC

## SECTION 10: Stability and reactivity

VOC content

10.1. Reactivity

## None.

#### 10.2. **Chemical stability**

Stable under normal conditions.

#### Possibility of hazardous reactions 10.3.

Reacts with oxidants.

#### Conditions to avoid 10.4.

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

Oxidizing agent.

#### 10.6. Hazardous decomposition products

No hazardous decomposition products known.

#### **SECTION 11: Toxicological information** 11.1. Information on toxicological effects Acute toxicity : Not classified 3-aminopropyltrimethoxysilane (13822-56-5) LD50 oral rat 2.97 ml/kg (Equivalent or similar to OECD 401, Rat, Male, Experimental value)

11.3 ml/kg (Equivalent or similar to OECD 402, 24 h, Rabbit, Male, Experimental value)
The mixing (Equivalent of Similar to OEOD 402, 24 h, Rabbit, Male, Experimental Value)
> 5 ppm (OECD 403: Acute Inhalation Toxicity, 6 h, Rat, Male, Read-across)
: Based on available data, the classification criteria are not met
pH: Not applicable
: Based on available data, the classification criteria are not met
pH: Not applicable
: Based on available data, the classification criteria are not met
: Based on available data, the classification criteria are not met
: Based on available data, the classification criteria are not met
: Based on available data, the classification criteria are not met
: Not classified
: Not classified
: Based on available data, the classification criteria are not met
: No data available.

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## **SECTION 12: Ecological information**

## 12.1. Toxicity

Ecology - general

EC50 72h algae (1)

NOEC chronic algae

: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

3-aminopropyltrimethoxysilane (13822-56-5)	
LC50 fish 1	> 934 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Semi-static system, Fresh water, Read-across)
EC50 Daphnia 1	331 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Read-across)
EC50 72h algae (1)	> 1000 mg/l (EU Method C.3, Desmodesmus subspicatus, Static system, Fresh water, Read- across)
Amidwachs (198028-14-7)	
LC50 fish 1	> 100 mg/l
EC50 Daphnia 1	94.9 mg/l

43.2 mg/l

37 mg/l 72 h

## 12.2. Persistence and degradability

ARDEX CA 20 P		
Persistence and degradability	Not applicable.	
3-aminopropyltrimethoxysilane (13822-56-5)		
Persistence and degradability	Not readily biodegradable in water.	
12.3. Bioaccumulative potential		
ARDEX CA 20 P		
Bioaccumulative potential	Not determined.	
3-aminopropyltrimethoxysilane (13822-56-5)		
Log Pow	0.2 (QSAR, 20 °C)	
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).	
12.4. Mobility in soil		
ARDEX CA 20 P		

ARDEX CA 20 P		
Ecology - soil	Not determined.	
3-aminopropyltrimethoxysilane (13822-56-5)		
Ecology - soil	No (test)data on mobility of the substance available.	
12.5. Results of PBT and vPvB assessmen	t	
ARDEX CA 20 P		
PBT: not relevant – no registration required		
vPvB: not relevant – no registration required		
Component		
3-aminopropyltrimethoxysilane (13822-56-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
12.6. Other adverse effects		

Additional information

: Avoid release to the environment.

# SECTION 13: Disposal considerations 13.1. Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions. Sewage disposal recommendations : Do not put down the drain. Must undergo physico-chemical treatment prior to disposal. Product/Packaging disposal recommendations : Empty remaining contents. Handle uncleaned empty containers as full ones. European List of Waste (LoW) code : 08 04 10 - waste adhesives and sealants other than those mentioned in 08 04 09 15 01 06 - mixed packaging

## SECTION 14: Transport information In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	ΙΑΤΑ	ADN	RID	
14.1. UN number					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
14.2. UN proper shipping name					
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	

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ADR	IMDG	ΙΑΤΑ	ADN	RID		
14.3. Transport hazard class(es)						
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
14.4. Packing group						
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
14.5. Environmental hazards						
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable		
No supplementary information available						

## 14.6. Special precautions for user

## - Overland transport

Not applicable

## - Transport by sea

Not applicable

### - Air transport

Not applicable

## - Inland waterway transport

Not applicable

## - Rail transport

Not applicable

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

## Not applicable

## SECTION 15: Regulatory information

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

## 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions Contains no substance on the REACH candidate list Contains no REACH Annex XIV substances

VOC content : < 0 % VOC

## 15.1.2. National regulations

No additional information available

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

## Full text of H- and EUH-statements:

Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3		
Eye Dam. 1	Serious eye damage/eye irritation, Category 1		
Skin Irrit. 2	Skin corrosion/irritation, Category 2		
H315	Causes skin irritation.		
H318	Causes serious eye damage.		
H412	Harmful to aquatic life with long lasting effects.		
EUH210	Safety data sheet available on request.		

## ARDEX SDS EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product