

Article	Manufacturer / Supplier
<b>Brand:</b> Swegon	<b>Name:</b> Swegon AB
<b>Name:</b> GLOBAL Luftbehandlingsaggregat	<b>FTI recycling system:</b> Yes
<b>Description:</b>	<b>EMAS registration:</b> -
<b>Article no.:</b>	<b>ISO 14001 certification:</b> Yes
<b>BSAB code:</b> QAB - Luftbehandlingsaggregat	<b>REPA-register:</b> Yes
<b>BK04:</b> 24101 - Air-conditioning systems	


## Summary

**Conditions:** Documentation complete, product assessment possible

**Assessment:** A

**Assessment explanation:** A

**Note:**

	During the manufacturing phase	In the finished product
<b>Phase-out substances:</b>	Yes (U)	Yes U
<b>Priority risk-reduction substances:</b>	Yes (R)	Yes R
<b>PBT/vPvB substances:</b>	-	-
<b>Potential PBT/vPvB substances:</b>	-	-
<b>Endocrine Disrupting Substances Category 1:</b>	Yes (H)	-
<b>Endocrine Disrupting Substances Category 2:</b>	-	-
<b>Environmentally hostile substances:</b>	Yes (Y)	Yes Y
<b>Substances hazardous to health:</b>	Yes 	-

**Substances hazardous to health present in the product in the usage phase:** -

**Renewable raw materials:**




**Warnings:**

**Nanoparticles:**  Presence of nanoparticles is unknown.



**Other eco-labelling:**

**Energy class:**

## Reported documentation

Type	Issue	Check	Status
 Building Product Declaration 3	11/8/2017	11/10/2017	Manual
 Product Information	10/10/2016	11/10/2017	Manual
 CE Declaration of Conformity	5/19/2016	11/10/2017	Manual
Internal Document *1	5/1/2017	11/10/2017	Static

## Contents

Name:	CAS no.	Amount	Classifications
acrylonitrile butadiene styrene polymer "Worst Case"-ämne	9003-56-9	0.01 %	
(2-propenenitrile) U 	107-13-1	≤0.0035 %	H225, H301, H311, H315, H317, H318, H331, H335, H350, H411
bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate	52829-07-9	≤0.0001 %	H319, H411
(1,3-butadiene) U 	106-99-0	≤0.003 %	H220, H340, H350
phosphite-based stabilizer for PA, PP, PC, ABS, PS (tris(2,4-di-tert-butyl phenyl) phosphite)	31570-04-4	<0.0001 %	H312, H412

Contents			
Name:	CAS no.	Amount	Classifications
unspecified antioxidant for PE, PP, PC, ABS, polyester (Irganox 1010)	6683-19-8	<0.0001 %	
(styrene)	R H1 100-42-5	≤0.006 %	H226, H315, H319, H332, H361d, H372
talc	14807-96-6		
aluminum	7429-90-5	3.71 %	
rubber, ethylene-propene "Worst Case"-ämne	61789-00-2	1.7 %	
(ethene)	74-85-1		H220, H336
MBT	R 149-30-4	<0.017 %	H317, H400, H410
white mineral oil (petroleum)	8042-47-5		
Pigment			
(1-propene)	115-07-1		H220
tetramethylthiuram monosulphide (TMTM)	R 97-74-5	≤0.017 %	H302, H317, H411
zinc oxide	R § 1314-13-2	≤0.085 %	H400, H410
filter		2.17 %	
acrylate resin		0.29946 %	
(2-propenoic acid)	79-10-7		H226, H302, H312, H314, H332, H400
galvanized steel		1.39965 %	
iron	7439-89-6	≤1.371657 %	
carbon	7440-44-0	≤0.0027993 %	
Copper	§ 7440-50-8	≤0.007698075 %	
manganese	7439-96-5	<0.0195951 %	
(sulfur)	7704-34-9	≤0.00055986 %	H315
zinc	7440-66-6	≤0.0979755 %	
glass, oxide, chemicals	65997-17-3	0.14973 %	
dolomite	16389-88-1	0.0209622 %	
limestone	1317-65-3	0.00868434 %	
sand		0.08953854 %	
(carbonic acid, disodium salt)	497-19-8	0.03039519 %	H319
polyethylene polymer	9002-88-4	0.04991 %	
(ethene)	74-85-1		H220, H336
hot melt adhesive		0.26908 %	
(ethene)	74-85-1	≤0.107632 %	H220, H336
mineral filler			
octadecanamide, n,n-1,2-ethanediybis-	110-30-5		
(acetic acid ethenyl ester)	108-05-4	≤0.107632 %	H225, H332, H335, H351
Fan		9.53 %	

Contents				
Name:		CAS no.	Amount	Classifications
aluminum		7429-90-5	1.86788 %	
electronics			0.014295 %	
(bisphenol A)	U	80-05-7	≤0.0025731 %	H317, H318, H335, H360F
lead	U	7439-92-1	<0.000014295 %	H360FD, H362
(oxirane, (chloromethyl)-)	U H1	106-89-8	≤0.00128655 %	H226, H301, H311, H314, H317, H331, H350
filler material			0.0014295 %	
Paint or varnish				
glass, oxide, chemicals		65997-17-3	≤0.002859 %	
limestone		1317-65-3		
sand				
(carbonic acid, disodium salt)		497-19-8		H319
Copper	§	7440-50-8	≤0.00328785 %	
silver		7440-22-4	<0.00014295 %	
tin		7440-31-5	<0.00014295 %	
phenol, 4,4-(1-methylethylidene)bis[2,6-dibromo-	R	79-94-7	≤0.0005718 %	H400, H410
galvanized steel			4.29803 %	
iron		7439-89-6	≤4.2120694 %	
carbon		7440-44-0	≤0.00859606 %	
Copper	§	7440-50-8	≤0.023639165 %	
manganese		7439-96-5	<0.06017242 %	
(sulfur)		7704-34-9	≤0.001719212 %	H315
zinc		7440-66-6	≤0.3008621 %	
Copper	§	7440-50-8	0.37167 %	
steel - default			2.83994 %	
iron		7439-89-6	≤2.7831412 %	
carbon		7440-44-0	≤0.00567988 %	
Copper	§	7440-50-8	≤0.01561967 %	
manganese		7439-96-5	<0.03975916 %	
(sulfur)		7704-34-9	≤0.001135976 %	H315
galvanized steel			1.47 %	
iron		7439-89-6	≤1.4406 %	
carbon		7440-44-0	≤0.00294 %	
Copper	§	7440-50-8	≤0.008085 %	

Contents				
Name:		CAS no.	Amount	Classifications
manganese		7439-96-5	<0.02058 %	
(sulfur)		7704-34-9	≤0.000588 %	H315
zinc		7440-66-6	≤0.1029 %	
galvanized steel			50.23 %	
iron		7439-89-6	≤49.2254 %	
carbon		7440-44-0	≤0.10046 %	
Copper		§ 7440-50-8	≤0.276265 %	
manganese		7439-96-5	<0.70322 %	
(sulfur)		7704-34-9	≤0.020092 %	H315
zinc		7440-66-6	≤3.5161 %	
glass, oxide, chemicals		65997-17-3	≤0.007 %	
limestone		1317-65-3		
sand				
(carbonic acid, disodium salt)		497-19-8		H319
PCB (Printed Circuit Board)			0.143 %	
(bisphenol A)	U	80-05-7	≤0.02574 %	H317, H318, H335, H360F
lead	U	7439-92-1	<0.000143 %	H360FD, H362
(oxirane, (chloromethyl)-)	U H1	106-89-8	≤0.01287 %	H226, H301, H311, H314, H317, H331, H350
filler material			0.0143 %	
Paint or varnish				
glass, oxide, chemicals		65997-17-3	≤0.0286 %	
limestone		1317-65-3		
sand				
(carbonic acid, disodium salt)		497-19-8		H319
Copper		§ 7440-50-8	≤0.03289 %	
silver		7440-22-4	<0.00143 %	
tin		7440-31-5	<0.00143 %	
phenol, 4,4-(1-methylethylidene)bis[2,6-dibromo-	R	79-94-7	≤0.00572 %	H400, H410
brass default			0.02 %	
lead	U	7439-92-1	0.0006 %	H360FD, H362
Copper		§ 7440-50-8	0.012 %	
tin		7440-31-5	0.00006 %	
zinc		7440-66-6	0.007 %	
nylon 6 polymer "Worst Case"-ämne		25038-54-4	≤0.173 %	
(hexanoic acid, 6-amino-)		60-32-2		H315, H319, H335
phosphite-based stabilizer for PA, PP, PC, ABS, PS (tris(2,4-di-tert-butyl phenyl) phosphite)		31570-04-4	<0.00173 %	H312, H412
unspecified antioxidant for PE, PP, PC, ABS, polyester (Irganox 1010)	R	6683-19-8	<0.00173 %	H413
2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol	R	3147-75-9	<0.00173 %	H302, H312, H332, H410
unspecified powder coated steel "Worst Case"-ämne			12 %	

Contents				
Name:		CAS no.	Amount	Classifications
(bisphenol A)	U	80-05-7	≤0.336 %	H317, H318, H335, H360F
(oxirane, (chloromethyl)-)	U H1	106-89-8	≤0.144 %	H226, H301, H311, H314, H317, H331, H350
iron		7439-89-6	≥11.4 %	
polyethylene polymer "Worst Case"-ämne		9002-88-4	2.33 %	
(ethene)		74-85-1		H220, H336
phosphite-based stabilizer for PA, PP, PC, ABS, PS (tris(2,4-di-tert-butyl phenyl) phosphite)		31570-04-4	<0.0233 %	H312, H412
unspecified antioxidant for PE, PP, PC, ABS, polyester (Irganox 1010)	R	6683-19-8	<0.0233 %	H413
unspecified UV-stabilizer for polyolefin cables			<0.0233 %	
poly[6-[(1,1,3,3-tetramethylbutyl)amino]-s-triazine-2,4-diy]-[(2,2,6,6-tetramethyl-4-piperidyl)imino]-hexamethyle		70624-18-9	<0.01165 %	
2-(2H-benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)phenol	R	65447-77-0	<0.01165 %	H410, H412, H413
Pigment				
poly(thiophenylene)		9016-75-5	0.01 %	
(benzene, 1,4-dichloro-)	R	106-46-7		H319, H351, H400, H410
(sodium sulfide)		1313-82-2		H302, H311, H314, H400
poly[oxy-carbonyloxy-1,4-phenylene(1-methylethylidene)-1,4-phenylene]		24936-68-3	0.03 %	
(bisphenol A)	R H1	80-05-7	≤0.021 %	H317, H318, H335, H361f
phosphite-based stabilizer for PA, PP, PC, ABS, PS (tris(2,4-di-tert-butyl phenyl) phosphite)		31570-04-4	<0.0003 %	H312, H412
(carbonic dichloride)	R	75-44-5	≤0.009 %	H314, H330
unspecified primary antioxidant for PC, ABS, polyester		2082-79-3	<0.0003 %	
polyurethane foam "Worst Case"-ämne			<0.002 %	
(cyclohexanamine, n,n-dimethyl-)		98-94-2		R10, R22, R34, R23/24
dibutyltin dilaurate	U	77-58-7	<0.000002 %	H341, H360FD, H372
(4,4'-diphenylmethane diisocyanate (MDI))	R	101-68-8	<0.0013 %	H315, H317, H319, H332, H334, H335, H351, H373
unspecified antioxidant for PE, PP, PC, ABS, polyester (Irganox 1010)	R	6683-19-8	<0.00004 %	H413
(pentane)		109-66-0	<0.00004 %	H225, H304, H336, H411
siloxanes and silicones, di-me, 3-hydroxypropyl me, ethers with polyethylene glycol me ether		68938-54-5	<0.00004 %	
(ethane, 1,1-oxybis-)		60-29-7		H224, H302, H336
(silicon)		7440-21-3		
(methane, chloro-)		74-87-3		H220, H351, H373
(poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro-omega.-hydroxy-)		25322-69-4	<0.0006 %	
2-propanol, 1-chloro-, phosphate (3:1)		13674-84-5	<0.0001 %	H302, H319, H412
(water)		7732-18-5	<0.00001 %	
POM		66455-31-0	<0.001 %	
(1,3,5-trioxane)		110-88-3		H228, H335, H361d
stainless steel		12597-68-1	1.33 %	

Contents				
Name:		CAS no.	Amount	Classifications
(phosphorus)		7723-14-0	≤0.0005985 %	H228, H412
iron		7439-89-6		
silicon		7440-21-3	≤0.03325 %	
carbon		7440-44-0	≤0.003325 %	
Copper		§ 7440-50-8	≤0.0266 %	
chromium		7440-47-3	≤0.3724 %	
nitrogen		7727-37-9	≤0.002926 %	
manganese		7439-96-5	≤0.0266 %	
(molybdenum)		7439-98-7	≤0.0665 %	R62
(nickel)	R	§ 7440-02-0	≤0.3458 %	H317, H351, H372
niobium		7440-03-1	≤0.0133 %	
(sulfur)		7704-34-9	≤0.004655 %	H315
titanium		7440-32-6	≤0.01064 %	
rock wool		287922-11-6	6.31 %	
acetic acid ethenyl ester, homopolymer		9003-20-7	<0.0631 %	
(phenol)	R	108-95-2	<0.038491 %	H301, H311, H314, H331, H341, H373
(formaldehyde)	U	§ 50-00-0	<0.038491 %	H301, H311, H314, H317, H331, H341, H350
urea		57-13-6	<0.024609 %	
paraffin oils		8012-95-1	<0.0631 %	
Rock wool				
steel - default			0.02 %	
iron		7439-89-6	≤0.0196 %	
carbon		7440-44-0	≤0.00004 %	
Copper		§ 7440-50-8	≤0.00011 %	
manganese		7439-96-5	<0.00028 %	
(sulfur)		7704-34-9	≤0.000008 %	H315
Ställdon Bellimo BFL24..230-T			0.27 %	
acrylonitrile butadiene styrene polymer		9003-56-9	<0.01404 %	
(2-propenenitrile)	U	§ 107-13-1	<0.004914 %	H225, H301, H311, H315, H317, H318, H331, H335, H350, H411
(1,3-butadiene)	U	§ 106-99-0	<0.004212 %	H220, H340, H350
phosphite-based stabilizer for PA, PP, PC, ABS, PS (tris(2,4-di-tert-butyl phenyl) phosphite)		31570-04-4	<0.0001404 %	H312, H412
unspecified antioxidant for PE, PP, PC, ABS, polyester (Irganox 1010)	R	6683-19-8	<0.0001404 %	H413
(styrene)	R H1	100-42-5	<0.008424 %	H226, H315, H319, H332, H361d, H372
Copper		§ 7440-50-8	0.01269 %	
PCB (Printed Circuit Board)			0.00675 %	
(bisphenol A)	U	80-05-7	≤0.001215 %	H317, H318, H335, H360F
lead	U	7439-92-1	<0.00000675 %	H360FD, H362
(oxirane, (chloromethyl)-)	U H1	106-89-8	≤0.0006075 %	H226, H301, H311, H314, H317, H331, H350

Contents				
Name:		CAS no.	Amount	Classifications
filler material			0.000675 %	
Paint or varnish				
glass, oxide, chemicals		65997-17-3	≤0.00135 %	
Copper		§ 7440-50-8	≤0.0015525 %	
silver		7440-22-4	<0.0000675 %	
tin		7440-31-5	<0.0000675 %	
phenol, 4,4-(1-methylethylidene)bis[2,6-dibromo-	R	79-94-7	≤0.00027 %	H400, H410
brass			0.00378 %	
lead	U	7439-92-1	0.0001134 %	H360FD, H362
Copper		§ 7440-50-8	0.002268 %	
tin		7440-31-5	0.00001134 %	
zinc		7440-66-6	0.001323 %	
plaster			0.03861 %	
nylon 6 polymer		25038-54-4	0.00162 %	
(hexanoic acid, 6-amino-)		60-32-2		H315, H319, H335
phosphite-based stabilizer for PA, PP, PC, ABS, PS (tris(2,4-di-tert-butyl phenyl) phosphite)		31570-04-4	<0.0000162 %	H312, H412
unspecified antioxidant for PE, PP, PC, ABS, polyester (Irganox 1010)	R	6683-19-8	<0.0000162 %	H413
2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol	R	3147-75-9	<0.0000162 %	H302, H312, H332, H410
polycarbonate			<0.01404 %	
(bisphenol A)	R H1	80-05-7	<0.013338 %	H317, H318, H335, H361f
(carbonic acid, diphenyl ester)	R	102-09-0	<0.002106 %	H302, H400, H410, H411
phosphite-based stabilizer for PA, PP, PC, ABS, PS (tris(2,4-di-tert-butyl phenyl) phosphite)		31570-04-4	<0.0001404 %	H312, H412
unspecified antioxidant for PE, PP, PC, ABS, polyester (Irganox 1010)	R	6683-19-8	<0.0001404 %	H413
POM		66455-31-0	0.00378 %	
(1,3,5-trioxane)		110-88-3		H228, H335, H361d
PVC-polymer		9002-86-2	0.00054 %	
(calcium-zinc soap)			≤0.0000216 %	R52/53
limestone		1317-65-3	≤0.000027 %	
(vinyl chloride)	U	75-01-4	≤0.0004752 %	H220, H350
steel		68467-81-2	0.18819 %	
iron		7439-89-6	≤0.1844262 %	
carbon		7440-44-0	≤0.00037638 %	

## Contents

Name:	CAS no.	Amount	Classifications
Copper	§ 7440-50-8	≤0.00103504 5 %	
manganese	7439-96-5	<0.00263466 %	
(sulfur)	7704-34-9	≤0.00007527 6 %	H315
zinc	7440-66-6	≤0.0131733 %	
heat exchanger		8.54 %	
aluminum	7429-90-5	7.72016 %	
Polymer of diphenyl methane 4,4-diisocyanate & polyether polyol	9009-54-5	0.81984 %	
(1,2-ethanediamine)	R 107-15-3		H226, H302, H312, H314, H317, H334
(2-methyloxirane)	U 16088-62-3		H224, H302, H312, H332, H350
(4,4'-diphenylmethane diisocyanate (MDI))	R 101-68-8		H315, H317, H319, H332, H334, H335, H351, H373

Emissions	Energy consumption	Residual products / Waste		
VOC:	Raw materials:		During construction	During demolition
TVOC:	Manufacturing:			
TVOC 4:	Total:	Re-use:		
TVOC 26:		Material recycling:		Yes
Formaldehyde:		Energy recycling:		
Conforms to E0:		Landfill deposition:		
Conforms to E1:		EWC (European Waste Code):		20 01 40
Conforms to M1:		Hazardous waste:	-	-
Conforms to M2:				
Conforms To CARB1				
Conforms To CARB2				
EMICODE:				

Portion of recycled material	Service life
Pre-consumer:	Service life: 15 år
Post-consumer:	

## Classification of the product

Hazard statements:

Precautionary statements

Risk phrases

Safety phrases

## Corporate Social Responsibility (CSR)

CSR-policy:



## Miscellaneous




**Assessed:** 11/17/2017 by Angelica Hultin

**Revised:**

**SHMD number:** SHMD-2MHBDBPDKB

**Criteria:** SundaHus Material Data Assessment Criteria edition 6.1.2

## Explanations

(U)	Vid tillverkningen har det använts minst ett utfasningsämne.
U	Innehåller minst ett utfasningsämne. / Ämnet uppfyller kriterierna för ett utfasningsämne enligt PRIO.
(R)	Vid tillverkningen har det använts minst ett prioriterat riskminskningsämne.
R	Innehåller minst ett prioriterat riskminskningsämne. / Ämnet uppfyller kriterierna för ett prioriterat riskminskningsämne enligt PRIO.
(H)	Vid tillverkningen har det använts minst ett ämne som finns upptaget på Europeiska kommissionens prioriteringslista över hormonstörande ämnen under kategori 1, vilket innebär att det finns vetenskapliga bevis för hormonstörande effekt i minst en djurart (inklusive människa).
H1	Ämnet finns upptaget på Europeiska kommissionens prioriteringslista över hormonstörande ämnen under kategori 1, vilket innebär att det finns vetenskapliga bevis för hormonstörande effekt i minst en djurart (inklusive människa).
	Hälsosofarliga ämnen i tillverkningsskedet.
§	Ämnet finns upptaget i begränsningsdatabasen.
?	Förekomsten av nanopartiklar är okänd.
	Innehåller minst ett miljöfarligt ämne.
	Vid tillverkningen har det använts minst ett miljöfarligt ämne.
"Worst Case"-ämne	Ett "worst case"-ämne är ett ämne vi använder när den information vi fått från en leverantör/distributör endast anger en grupp av ämnen. I dessa fall anger vi egenskaperna för det "värsta" ämnet i ämnesgruppen eftersom det är möjligt att det rör sig om det ämnet. Vi påstår alltså inte att ämnet i den aktuella produkten verkligen har dessa egenskaper men eftersom vi inte har fått mer information måste vi utgå från "worst case".
(substance name)	Ett ämnesnamn inom parentes indikerar att ämnet endast förekommer i tillverkningen, inte i den färdiga produkten.
*1	Leverantören/distributören tillåter inte att vi visar detta dokument.
20 01 40	Metaller
H220	Extremely flammable gas.
H224	Extremely flammable liquid and vapour.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H228	Flammable solid.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H331	Toxic if inhaled.
H332	Harmful if inhaled.

## Explanations

H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H340	May cause genetic defects.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H351	Suspected of causing cancer.
H360F	May damage fertility
H360FD	May damage fertility. May damage the unborn child.
H361d	Suspected of damaging the unborn child
H361f	Suspected of damaging fertility
H362	May cause harm to breast-fed children.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
R10	Flammable
R22	Harmful if swallowed
R23/24	Toxic by inhalation and in contact with skin
R34	Causes burns
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R62	Possible risk of impaired fertility