SundaHus Material data

2024-08-21

HV Grease Canopy with UV cleaning system, (ospecificerad)

A

Article

Brand:	NORDcanopy
Name:	HV Grease Canopy with UV cleaning system, (ospecificerad)
Description:	ETS NORD's UV cleaning system utilizes ultraviolet light to significantly reduce grease and odor particles from the exhaust chambers and extraction ducts of commercial kitchens. UV cleaning is optionally available in most ETS NORD commercial kitchen grease canopies. Benefits obtained with UV cleaning: -Effective grease reduction -Significantly improved fire safety -Reduced odors -Possibility to connect kitchen exhaust to plate (cross-flow) heat exchangers -Reduction of time and effort needed to clean the exhaust ventilation system, resulting in reduced maintenance costs -Improved hygiene - a healthier and safer working environment - translated by Google
Article no.:	
BSAB code:	**QME** - Frånluftsdon **XCB.8** - Diverse inredningsenheter i storkök e d
BK04:	**21099** - Ventilation in general

Manufacturer / Supplier

Name:	ETS NORD AS Sverige Filial
FTI recycling system:	-
EMAS registration:	-
ISO 14001 certification:	Yes
REPA-register:	-

Summary

Conditions:	Documentation complete, product assessment possible
Assessment:	**A**
Assessment explanation:	A
Note:	

	During the manufacturing phase	In the finished product
Phase-out substances:	Yes U	Yes U
Priority risk-reduction substances:	Yes R	Yes R
PBT/vPvB substances:	Yes P1	Yes P1
Potential PBT/vPvB substances:	Yes P2	Yes P2
Endocrine Disrupting Substances Category 1:	Yes H1	Yes H1
Endocrine Disrupting Substances Category 2:	Yes H2	Yes H2
Environmentally hostile substances:	Yes	Yes
Substances hazardous to health:	Yes	-

Substances hazardous to health present in the product in the raw phase:	**Renewable raw materials:**
Other eco-labelling:	**Nanoparticles:** No
Energy class:	

Reported documentation

Type	Issue	Check	Status
Environmental Product Declaration	2024-03-20	2024-08-06	Manual
Product Information		2024-08-08	Manual
CE Declaration of Conformity	2023-07-12	2024-08-08	Manual
Miscellaneous	2024-04-26	2024-08-06	Manual
Installation instructions		2024-08-08	Manual
SundaHus declaration	2024-06-05	2024-08-08	Manual
Declaration of Compliance	2023-10-23	2024-08-06	Manual

Contents

Name:		CAS no.	Amount	Classifications
EPDM rubber (CAS 25038-36-2) "Worst Case" substance			0.1 %	
distillates (petroleum), solvent-refined light naphthenic		64741-97-5	0.02 %	
calcium oxide		1305-78-8	0.003 %	H315, H318, H335
Di(morpholin-4-yl) disulphide	R	103-34-4	0.001 %	H317, H335, H411
Disulfiram tetraethylthiuramdisulfide	R	97-77-8	0.001 %	H302, H317, H373, H400, H410
EPDM (ethylene propylene ethylidenenorbornene terpolymer) "Worst Case" substance		25038-36-2	0.035 %	
(ethylidene norbornene)	R	16219-75-3		H226, H304, H315, H317, H332, H373
(ethene)		74-85-1		H220, H336
(1-propene)		115-07-1		H220
carbon black		1333-86-4	0.042 %	
MBT "Worst Case" substance	R	149-30-4	0.0002 %	H317, H400, H410
octadecanoic acid		57-11-4	<0.0008 %	
(sulfur) "Worst Case" substance		7704-34-9	0.0002 %	H315
thioperoxydicarbonic diamide, tetramethyl-	R H1	137-26-8	0.0002 %	H302, H315, H317, H319, H332, H373, H400, H410
zinc oxide	R	1314-13-2	0.003 %	H400, H410
Factory made flexible elastomeric foam (FEF) EN 14304 "Worst Case" substance			0.4 %	
phosphoric acid, 2-ethylhexyl diphenyl ester		1241-94-7	<0.048 %	
phenol, 2,2-methylenebis[6-(1,1-dimethylethyl)-4-methyl-	U H2	119-47-1	<0.004 %	H360F
acrylonitrile-butadiene copolymer		9003-18-3	<0.1 %	
aluminum hydroxide		21645-51-2	<0.112 %	
Antimony trioxide	R	1309-64-4	<0.004 %	H351
(AZO/ADCA)	U	123-77-3	<0.004 %	H334
phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-	R H2	128-37-0	<0.004 %	H410
benzene, 1,1-(1,2-ethanediyl)bis[2,3,4,5,6-pentabromo- "Worst Case" substance	R P2	84852-53-9	<0.088 %	
soybean oil, epoxidized		8013-07-8	<0.012 %	
limestone		1317-65-3	0.12 %	
Kvartsdamm, < 5 my			0.12 %	
carbon black		1333-86-4	<0.048 %	
poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy- "Worst Case" substance		25322-68-3	<0.012 %	
(1,2-ethanediol)		107-21-1		H302

Contents

Name:			CAS no.	Amount	Classifications
(oxirane)	U	§	75-21-8		H220, H315, H319, H331, H335, H340, H350
(water)			7732-18-5		
polyvinyl chloride polymer			9002-86-2	0.08 %	
(vinyl chloride)	U		75-01-4	0.08 %	H220, H350
acetic acid ethenyl ester, polymer with chloroethene			9003-22-9	<0.048 %	
(acetic acid ethenyl ester)	R		108-05-4		H225, H332, H335, H351
(vinyl chloride)	U		75-01-4		H220, H350
pyrithione zinc	U		13463-41-7	<0.0004 %	H301, H318, H330, H360D, H372, H400, H410
quinoline, 1,2-dihydro-2,2,4-trimethyl-, homopolymer			26780-96-1	<0.004 %	H412
Stearic acid 50			67701-03-5	<0.0048 %	
zinc oxide	R		1314-13-2	<0.004 %	H400, H410
galvanized steel EN 1.0038, S235JR "Worst Case" substance				1.2 %	
Steel S235JR 1.0038 EN 10025-2:2019				1.2 %	
(phosphorus)			7723-14-0	0.00054 %	H228, H412
iron			7439-89-6	1.2 %	
carbon			7440-44-0	0.00276 %	
Copper		§	7440-50-8	0.0072 %	
nitrogen			7727-37-9	0.000168 %	
manganese			7439-96-5	0.018 %	
(sulfur) "Worst Case" substance			7704-34-9	0.00054 %	H315
zinc			7440-66-6	0.084 %	
terminal block in polyamide "Worst Case" substance				0.1 %	
Galvanized steel - default				<0.05 %	
Steel S235JR 1.0038 EN 10025-2:2019				<0.05 %	
(phosphorus)			7723-14-0	<0.0000225 %	H228, H412
iron			7439-89-6	<0.05 %	
carbon			7440-44-0	<0.000115 %	
Copper		§	7440-50-8	<0.0003 %	
nitrogen			7727-37-9	<0.000007 %	
manganese			7439-96-5	<0.00075 %	

Contents

Name:				CAS no.	Amount	Classifications
(sulfur) "Worst Case" substance			§	7704-34-9	<0.0000225 %	H315
zinc				7440-66-6	<0.0035 %	
brass default "Worst Case" substance					<0.025 %	
aluminum				7429-90-5	<0.0000125 %	
Copper			§	7440-50-8	<0.01475 %	
iron				7439-89-6	<0.000075 %	
lead	U			7439-92-1	<0.000625 %	H360FD, H362
nickel	R		§	7440-02-0	<0.000075 %	H317, H351, H372
tin				7440-31-5	<0.000075 %	
zinc				7440-66-6	<0.0100625 %	
polyamide PA6 plastic (CAS 25038-54-4) "Worst Case" substance					<0.05 %	
phosphite-based stabilizer for PA, PP, PC, ABS, PS (tris(2,4-di-tert-butyl phenyl) phosphite) "Worst Case" substance				31570-04-4	<0.0005 %	
benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]methyl]-1,3-propanediyl ester (antioxidant)				6683-19-8	<0.0005 %	
nylon 6 polymer				25038-54-4	<0.05 %	
(2h-azepin-2-one, hexahydro-)				105-60-2	<0.05 %	H302, H315, H319, H332, H335
talc				14807-96-6	<0.02 %	
2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol	U	P1		3147-75-9	<0.0005 %	
polycarbonate plastic (för CAS 25037-45-0)					0.1 %	
2-(2H-benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)phenol	R	P2		70321-86-7	0.0005 %	
carbonic acid, polymer with 4,4-(1-methylethylidene)bis[phenol]				25037-45-0	0.095 %	
(Bisphenol A)	U	H1	§	80-05-7	0.095 %	H317, H318, H335, H360F, H400, H410
(carbonic acid)				463-79-6	<0.0095 %	
phosphite-based stabilizer for PA, PP, PC, ABS, PS (tris(2,4-di-tert-butyl phenyl) phosphite) "Worst Case" substance				31570-04-4	<0.001 %	
benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]methyl]-1,3-propanediyl ester (antioxidant)				6683-19-8	<0.001 %	
Pigment					<0.005 %	
Stainless steel (1.4301, X5CrNi18-10), (304, 304N, SUS304, 304S15), A2					89 %	

Contents

Name:			CAS no.	Amount	Classifications
(phosphorus)			7723-14-0	0.04005 %	H228, H412
iron			7439-89-6	66.305 %	
silicon			7440-21-3	0.89 %	
carbon			7440-44-0	0.0623 %	
(chromium)			7440-47-3	17.355 %	
nitrogen			7727-37-9	0.0979 %	
manganese			7439-96-5	1.78 %	
(nickel)	R	§	7440-02-0	9.345 %	H317, H351, H372
(sulfur) "Worst Case" substance			7704-34-9	0.01335 %	H315
Stainless steel EN 1.4401, ASTM 316, UNS-S31600				0.4 %	
(phosphorus)			7723-14-0	0.00018 %	H228, H412
iron			7439-89-6	0.27304 %	
silicon			7440-21-3	0.004 %	
carbon			7440-44-0	0.00028 %	
(chromium)			7440-47-3	0.074 %	
(nitrogen)			7727-37-9	0.00044 %	
manganese			7439-96-5	0.008 %	
(molybdenum)			7439-98-7	0.01 %	R62
(nickel)	R	§	7440-02-0	0.052 %	H317, H351, H372
(sulfur) "Worst Case" substance			7704-34-9	0.00006 %	H315

Included products

Name:	Amount	Classifications
LED light	2.4% x 2.4%	
UV lamp *1	0.2% x 0.2%	
UV unit	5.9% x 5.9%	

Emissions

Conforms To E0:

Conforms to E1:

Conforms To M1:

Conforms To M2:

Conforms To CARB1:

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A

Emissions

Conforms To CARB2:

EMICODE:

Energy consumption

Raw materials:

Manufacturing:

Total:

Residual products / Waste

	During construction	During demolition
Re-use:		99.5 %
Material recycling:		98 %
Energy recycling:		
Landfill deposition:		
EWC (European Waste Code):		
Hazardous waste:	-	-

Portion of recycled material

Pre-consumer: 21.4 %

Post-consumer: 73.2 %

Service life

Service life: 20 år

Classification of the product

Hazard statements:

Precautionary statements

Risk phrases

Safety phrases

Corporate Social Responsibility (CSR)

CSR-policy:

Life Cycle Analysis

Climate impact - total (GWPTotal)::	2.89	kg CO_2-eq/Kg	**Life cycle phase:**	A1-A3
Climate impact - fossil (GWPFossil):	2.36	kg CO_2-eq/Kg	**Functional unit (FU):**	Kg
Climate impact - biogenic (GWPBiogenic):	0.525	kg CO_2-eq/Kg	**Comment:**	
Climate impact - LULUC (GWPLULUC):	0.00726	kg CO_2-eq/Kg	**Document date:**	2024-03-20
Ozone depletion Potential (ODP):	3.72E-07	kg eten-eq/Kg	**Valid to:**	2029-03-20
Water usage - freshwater (EPFreshwater):			**Source:**	
Water usage - freshwater (EPFreshwater):	0.000326	kg $(PO_4)^{3-}$-eq/Kg		
Water usage - sea (EPMarine):	0.00663	kg N-eq/Kg		
Water usage - terrestrial (EPTerrestrial):	0.0781	kg N-eq/Kg		
Acidification Potential (AP):	0.04	H^+-eq/Kg		
Renewable energy:	17.2	MJ/Kg		
Non renewable energy:	56.1	MJ/Kg		

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HV Grease Canopy with UV cleaning system, (ospecificerad)

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Life Cycle Analysis

Photochemical Ozone Creation Potential (POCP):	0.023	kg NMVOC-eq/Kg
Water usage (WDP):	2.27	m^3 depr-eq/Kg
EPD EN 15804:	Yes	
EPD ISO 14025:	Yes	

Demolition Phase

Disassembly:	Yes	Everything except Armaflex insulation (translated by Google)
Special measures:	No	

Waste Management

Comprised in producer responsibility:	No

Miscellaneous

Assessed:	2024-08-21 by Sebastian Ingels
Revised:	
SHMD number:	SHMD-75J2C678LJ
Criteria:	SundaHus Material Data Assessment Criteria edition 6.1.7

Explanations

(U)	At least one phase-out substance has been used in the manufacturing phase.
U	Contains at least one phase-out substance. / The substance fulfills the criteria for a phase-out substance according to the Swedish Chemicals Authority tool for substitution, PRIO.
(R)	At least one prioritized risk reduction substance has been used in the manufacturing phase.
R	Contains at least one prioritized risk reduction substance. / The substance fulfills the criteria for a prioritized risk reducing substance according to the Swedish Chemicals Authority tool for substitution, PRIO.
(H1)	At least one substance on the European Commission Priority List with endocrine disruptors in category 1 has been used in the manufacturing stage for this product; this means that there is evidence of endocrine disrupting effects in at least one species (including humans).
H1	Contains at least one substance found on the European Commission Priority List with endocrine disruptors in category 1; this means that there is evidence of endocrine disrupting effects in at least one species (including humans). / The substance is present in the European Comissions prioritization list over endocrine disruptors under category 1, which means that there is scientific evidence for an endocrine disrupting effect in atleast one animal (including humans).
(H2)	At least one substance on the European Commission Priority List with endocrine disruptors in category 2 has been used in the manufacturing stage for this product; this means that there is evidence of endocrine disrupting effects regarding the specific substance when doing "in vitro"-experiments (test tube experiments).
H2	Contains at least one substance found on the European Commission Priority List with endocrine disruptors in category 2; this means that there is evidence of endocrine disrupting effects regarding the specific substance when doing "in vitro"-experiments (test tube experiments). / The substance is present in the European Comissions prioritization list over endocrine disruptors under category 2, which means that there is scientific evidence for an endocrine disrupting effect when performing in vitro experiments (test tube experiments).
(P1)	At least one PBT/vPvB substance has been used in the manufacturing phase.
P1	Contains at least one PBT/vPvB substance. / The substance is persistent, bioaccumulative (a substance that gathers in living animals) and toxic alternatively very persistent and very bioaccumulative.
(P2)	At least one potential PBT/vPvB substance has been used in the manufacturing phase.
P2	Contains at least one potential PBT/vPvB substance. / The substance is potentionally persistent, bioaccumulative (a substance that gathers in living animals) and toxic alternatively potentionally very persistent and very bioaccumulative.
	Substances hazardous to health present in the product during the manufacturing phase.

Explanations	
§	The substance is present in the restriction database.
n	Does not contain nano particles
	Contains at least one environmentally hostile substance.
	At least one environmentally hazardous substance used at construction
"Worst Case" substance	Worstcase substances are those that past experience or literature has shown may be present in particular product types. Worstcase substances are used when specific information on the product content is missing, in order to ensure that no critical elements are left out in the assessment.
(substance name)	A substance name in parentheses indicates that the substance is only present during the manufacturing stage, not in the finished product.
*1	The supplier/distributor does not allow us to show the identity of the product.
H220	Extremely flammable gas.
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.
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.
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.
H350	May cause cancer.
H351	Suspected of causing cancer.
H360D	May damage the unborn child
H360F	May damage fertility
H360FD	May damage fertility. May damage the unborn child.
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.
R62	Possible risk of impaired fertility

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HV Grease Canopy with UV cleaning system, (ospecificerad)

A

Article	
Brand:	NORDcanopy
Name:	HV Grease Canopy with UV cleaning system, (ospecificerad)
Description:	ETS NORD's UV cleaning system utilizes ultraviolet light to significantly reduce grease and odor particles from the exhaust chambers and extraction ducts of commercial kitchens. UV cleaning is optionally available in most ETS NORD commercial kitchen grease canopies. Benefits obtained with UV cleaning: -Effective grease reduction -Significantly improved fire safety -Reduced odors -Possibility to connect kitchen exhaust to plate (cross-flow) heat exchangers -Reduction of time and effort needed to clean the exhaust ventilation system, resulting in reduced maintenance costs -Improved hygiene - a healthier and safer working environment - translated by Google
Article no.:	
BSAB code:	**QME** - Frånluftsdon **XCB.8** - Diverse inredningsenheter i storkök e d
BK04:	**21099** - Ventilation in general

Manufacturer / Supplier	
Name:	ETS NORD AS Sverige Filial
FTI recycling system:	-
EMAS registration:	-
ISO 14001 certification:	Yes
REPA-register:	-

Summary

Conditions:	Documentation complete, product assessment possible
Assessment:	**A**
Assessment explanation:	A
Note:	

	During the manufacturing phase	In the finished product
Phase-out substances:	Yes (U)	Yes U
Priority risk-reduction substances:	Yes (R)	Yes R
PBT/vPvB substances:	Yes (P1)	Yes P1
Potential PBT/vPvB substances:	Yes (P2)	Yes P2
Endocrine Disrupting Substances Category 1:	Yes (H1)	Yes H1
Endocrine Disrupting Substances Category 2:	Yes (H2)	Yes H2
Environmentally hostile substances:	Yes	Yes
Substances hazardous to health:	Yes	-

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

Renewable raw materials:

Other eco-labelling:

Nanoparticles: n No

Energy class:

Reported documentation

Type	Issue	Check	Status
Environmental Product Declaration	2024-03-20	2024-08-06	Manual
Product Information		2024-08-08	Manual
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Disulfiram tetraethylthiuramdisulfide	R	97-77-8	0.001 %	H302, H317, H373, H400, H410
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(1-propene)		115-07-1		H220
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(AZO/ADCA)	U	123-77-3	<0.004 %	H334
phenol, 2,6-bis(1,1-dimethylethyl)-4-methyl-	R H2	128-37-0	<0.004 %	H410
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soybean oil, epoxidized		8013-07-8	<0.012 %	
limestone		1317-65-3	0.12 %	
Kvartsdamm, < 5 my			0.12 %	
carbon black		1333-86-4	<0.048 %	
poly(oxy-1,2-ethanediyl), .alpha.-hydro-.omega.-hydroxy- "Worst Case" substance		25322-68-3	<0.012 %	
(1,2-ethanediol)		107-21-1		H302

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Stearic acid 50			67701-03-5	<0.0048 %	
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zinc			7440-66-6	0.084 %	
terminal block in polyamide "Worst Case" substance				0.1 %	
Galvanized steel - default				<0.05 %	
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(phosphorus)			7723-14-0	<0.0000225 %	H228, H412
iron			7439-89-6	<0.05 %	
carbon			7440-44-0	<0.000115 %	
Copper		§	7440-50-8	<0.0003 %	
nitrogen			7727-37-9	<0.000007 %	
manganese			7439-96-5	<0.00075 %	

Contents

Name:				CAS no.	Amount	Classifications
(sulfur) "Worst Case" substance			§	7704-34-9	<0.0000225 %	H315
zinc				7440-66-6	<0.0035 %	
brass default "Worst Case" substance					<0.025 %	
aluminum				7429-90-5	<0.0000125 %	
Copper			§	7440-50-8	<0.01475 %	
iron				7439-89-6	<0.000075 %	
lead	U			7439-92-1	<0.000625 %	H360FD, H362
nickel	R		§	7440-02-0	<0.000075 %	H317, H351, H372
tin				7440-31-5	<0.000075 %	
zinc				7440-66-6	<0.0100625 %	
polyamide PA6 plastic (CAS 25038-54-4) "Worst Case" substance					<0.05 %	
phosphite-based stabilizer for PA, PP, PC, ABS, PS (tris(2,4-di-tert-butyl phenyl) phosphite) "Worst Case" substance				31570-04-4	<0.0005 %	
benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]methyl]-1,3-propanediyl ester (antioxidant)				6683-19-8	<0.0005 %	
nylon 6 polymer				25038-54-4	<0.05 %	
(2h-azepin-2-one, hexahydro-)				105-60-2	<0.05 %	H302, H315, H319, H332, H335
talc				14807-96-6	<0.02 %	
2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol	U	P1		3147-75-9	<0.0005 %	
polycarbonate plastic (för CAS 25037-45-0)					0.1 %	
2-(2H-benzotriazol-2-yl)-4,6-bis(1-methyl-1-phenylethyl)phenol	R	P2		70321-86-7	0.0005 %	
carbonic acid, polymer with 4,4-(1-methylethylidene)bis[phenol]				25037-45-0	0.095 %	
(Bisphenol A)	U	H1	§	80-05-7	0.095 %	H317, H318, H335, H360F, H400, H410
(carbonic acid)				463-79-6	<0.0095 %	
phosphite-based stabilizer for PA, PP, PC, ABS, PS (tris(2,4-di-tert-butyl phenyl) phosphite) "Worst Case" substance				31570-04-4	<0.001 %	
benzenepropanoic acid, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-, 2,2-bis[[3-[3,5-bis(1,1-dimethylethyl)-4-hydroxyphenyl]-1-oxopropoxy]methyl]-1,3-propanediyl ester (antioxidant)				6683-19-8	<0.001 %	
Pigment					<0.005 %	
Stainless steel (1.4301, X5CrNi18-10), (304, 304N, SUS304, 304S15), A2					89 %	

SundaHus Material data

HV Grease Canopy with UV cleaning system, (ospecificerad)

A

Contents

Name:			CAS no.	Amount	Classifications
(phosphorus)			7723-14-0	0.04005 %	H228, H412
iron			7439-89-6	66.305 %	
silicon			7440-21-3	0.89 %	
carbon			7440-44-0	0.0623 %	
(chromium)			7440-47-3	17.355 %	
nitrogen			7727-37-9	0.0979 %	
manganese			7439-96-5	1.78 %	
(nickel)	R	§	7440-02-0	9.345 %	H317, H351, H372
(sulfur) "Worst Case" substance			7704-34-9	0.01335 %	H315
Stainless steel EN 1.4401, ASTM 316, UNS-S31600				0.4 %	
(phosphorus)			7723-14-0	0.00018 %	H228, H412
iron			7439-89-6	0.27304 %	
silicon			7440-21-3	0.004 %	
carbon			7440-44-0	0.00028 %	
(chromium)			7440-47-3	0.074 %	
(nitrogen)			7727-37-9	0.00044 %	
manganese			7439-96-5	0.008 %	
(molybdenum)			7439-98-7	0.01 %	R62
(nickel)	R	§	7440-02-0	0.052 %	H317, H351, H372
(sulfur) "Worst Case" substance			7704-34-9	0.00006 %	H315

Included products

Name:	Amount	Classifications
LED light	2.4% x 2.4%	
UV lamp *1	0.2% x 0.2%	
UV unit	5.9% x 5.9%	

Emissions

Conforms To E0:

Conforms to E1:

Conforms To M1:

Conforms To M2:

Conforms To CARB1:

SundaHus Material data

HV Grease Canopy with UV cleaning system, (ospecificerad)

A

Emissions

Conforms To CARB2:

EMICODE:

Energy consumption

Raw materials:

Manufacturing:

Total:

Residual products / Waste

	During construction	During demolition
Re-use:		99.5 %
Material recycling:		98 %
Energy recycling:		
Landfill deposition:		
EWC (European Waste Code):		
Hazardous waste:	-	-

Portion of recycled material

Pre-consumer: 21.4 %

Post-consumer: 73.2 %

Service life

Service life: 20 år

Classification of the product

Hazard statements:

Precautionary statements

Risk phrases

Safety phrases

Corporate Social Responsibility (CSR)

CSR-policy:

Life Cycle Analysis

Climate impact - total (GWPTotal)::	2.89	kg CO_2-eq/Kg	**Life cycle phase:**	A1-A3
Climate impact - fossil (GWPFossil):	2.36	kg CO_2-eq/Kg	**Functional unit (FU):**	Kg
Climate impact - biogenic (GWPBiogenic):	0.525	kg CO_2-eq/Kg	**Comment:**	
Climate impact - LULUC (GWPLULUC):	0.00726	kg CO_2-eq/Kg	**Document date:**	2024-03-20
Ozone depletion Potential (ODP):	3.72E-07	kg eten-eq/Kg	**Valid to:**	2029-03-20
Water usage - freshwater (EPFreshwater):			**Source:**	
Water usage - freshwater (EPFreshwater):	0.000326	kg $(PO_4)^{3-}$-eq/Kg		
Water usage - sea (EPMarine):	0.00663	kg N-eq/Kg		
Water usage - terrestrial (EPTerrestrial):	0.0781	kg N-eq/Kg		
Acidification Potential (AP):	0.04	H^+-eq/Kg		
Renewable energy:	17.2	MJ/Kg		
Non renewable energy:	56.1	MJ/Kg		

SundaHus Material data

HV Grease Canopy with UV cleaning system, (ospecificerad)

A

Life Cycle Analysis

Photochemical Ozone Creation Potential (POCP):	0.023	kg NMVOC-eq/Kg
Water usage (WDP):	2.27	m^3 depr-eq/Kg
EPD EN 15804:	Yes	
EPD ISO 14025:	Yes	

Demolition Phase

Disassembly:	Yes	Everything except Armaflex insulation (translated by Google)
Special measures:	No	

Waste Management

Comprised in producer responsibility:	No

Miscellaneous

Assessed:	2024-08-21 by Sebastian Ingels
Revised:	
SHMD number:	SHMD-75J2C678LJ
Criteria:	SundaHus Material Data Assessment Criteria edition 6.1.7

Explanations

(U)	At least one phase-out substance has been used in the manufacturing phase.
U	Contains at least one phase-out substance. / The substance fulfills the criteria for a phase-out substance according to the Swedish Chemicals Authority tool for substitution, PRIO.
(R)	At least one prioritized risk reduction substance has been used in the manufacturing phase.
R	Contains at least one prioritized risk reduction substance. / The substance fulfills the criteria for a prioritized risk reducing substance according to the Swedish Chemicals Authority tool for substitution, PRIO.
(H1)	At least one substance on the European Commission Priority List with endocrine disruptors in category 1 has been used in the manufacturing stage for this product; this means that there is evidence of endocrine disrupting effects in at least one species (including humans).
H1	Contains at least one substance found on the European Commission Priority List with endocrine disruptors in category 1; this means that there is evidence of endocrine disrupting effects in at least one species (including humans). / The substance is present in the European Comissions prioritization list over endocrine disruptors under category 1, which means that there is scientific evidence for an endocrine disrupting effect in atleast one animal (including humans).
(H2)	At least one substance on the European Commission Priority List with endocrine disruptors in category 2 has been used in the manufacturing stage for this product; this means that there is evidence of endocrine disrupting effects regarding the specific substance when doing "in vitro"-experiments (test tube experiments).
H2	Contains at least one substance found on the European Commission Priority List with endocrine disruptors in category 2; this means that there is evidence of endocrine disrupting effects regarding the specific substance when doing "in vitro"-experiments (test tube experiments). / The substance is present in the European Comissions prioritization list over endocrine disruptors under category 2, which means that there is scientific evidence for an endocrine disrupting effect when performing in vitro experiments (test tube experiments).
(P1)	At least one PBT/vPvB substance has been used in the manufacturing phase.
P1	Contains at least one PBT/vPvB substance. / The substance is persistent, bioaccumulative (a substance that gathers in living animals) and toxic alternatively very persistent and very bioaccumulative.
(P2)	At least one potential PBT/vPvB substance has been used in the manufacturing phase.
P2	Contains at least one potential PBT/vPvB substance. / The substance is potentionally persistent, bioaccumulative (a substance that gathers in living animals) and toxic alternatively potentionally very persistent and very bioaccumulative.
	Substances hazardous to health present in the product during the manufacturing phase.

Explanations	
§	The substance is present in the restriction database.
n	Does not contain nano particles
	Contains at least one environmentally hostile substance.
	At least one environmentally hazardous substance used at construction
"Worst Case" substance	Worstcase substances are those that past experience or literature has shown may be present in particular product types. Worstcase substances are used when specific information on the product content is missing, in order to ensure that no critical elements are left out in the assessment.
(substance name)	A substance name in parentheses indicates that the substance is only present during the manufacturing stage, not in the finished product.
*1	The supplier/distributor does not allow us to show the identity of the product.
H220	Extremely flammable gas.
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.
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.
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.
H350	May cause cancer.
H351	Suspected of causing cancer.
H360D	May damage the unborn child
H360F	May damage fertility
H360FD	May damage fertility. May damage the unborn child.
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.
R62	Possible risk of impaired fertility