

BYGGVARUDEKLARATION BVD 3

enligt Kretsloppsrådets riktlinjer maj 2007

1 Grunddata

Produktidentifikation		Dokument-ID REACTa_Cirkulär GUAC_BVD3_SE	
Varunamn REACTa Cirkulär GUAC	Artikel-nr/ID-begrepp Flödeskontroll	Varugrupp Variabelflödesspjäll	
<input checked="" type="checkbox"/> Ny deklARATION	Vid ändrad deklARATION		
<input type="checkbox"/> Ändrad deklARATION	Är varan förändrad?	Ändringen avser: Uppdaterad material lista, uppdaterat "Varunamn"	
	<input checked="" type="checkbox"/> Nej <input type="checkbox"/> Ja	Ändrad vara identifieras genom: Versionsbokstav (liten bokstav i slutet av varunamn).	
Upprättad/ändrad den 2015-12-11		Kontrollerad utan ändring den	
Övriga upplysningar: Produkten är bedömd för en referensstorlek 250 och gäller för alla storlekar av produkten. Produktens innehåll redovisas i vikt%. I katalogblad framgår vikt i kg eller gram för respektive storlek.			

2 Leverantörsuppgifter

Företagsnamn Swegon AB		Organisationsnr/DUNS-nr 556077-8465	
Adress Industrigatan 5		Kontaktperson Produktchef	
SE-275 35 Tomelilla		Telefon 0411-19800	
Webbplats: www.swegon.se		E-post tomelillasupport@swegon.se	
Har företaget miljöledningssystem?		<input checked="" type="checkbox"/> Ja	<input type="checkbox"/> Nej
Företaget är certifierat enligt	<input checked="" type="checkbox"/> ISO 9000 <input checked="" type="checkbox"/> ISO 14000	<input type="checkbox"/> Annat	Om "annat", specificera:
Övriga upplysningar:			

3 Varuinformation

Land för sluttillverkning Sverige	Om land ej kan anges, ange orsak		
Användningsområde Komfortventilation			
Finns säkerhetsdatablad för varan?		<input checked="" type="checkbox"/> Ej relevant	<input type="checkbox"/> Ja <input type="checkbox"/> Nej
Anges enligt kemikalieinspektionens regelverk:	Klassificering	<input checked="" type="checkbox"/> Ej relevant	
Är varan registrerad i BASTA?		<input type="checkbox"/> Ja	<input checked="" type="checkbox"/> Nej
Är varan miljömärkt?	<input checked="" type="checkbox"/> Kriterier saknas <input type="checkbox"/> Ja <input type="checkbox"/> Nej	Om "ja", specificera:	
Finns miljödeklARATION typ III för varan?		<input type="checkbox"/> Ja	<input checked="" type="checkbox"/> Nej

Uppgifter i grönmarkerade fält är krav enligt Kretsloppsrådets riktlinjer.

Övriga upplysningar:

4 Innehåll

Varan består **vid leverans** av följande delar/komponenter och med angivna kemiska sammansättning:

Ingående material/ Komponenter	Ingående ämnen	Vikts- %	EG-nr/ CAS-nr (alt legering)	Klassifi- cering	Kommentar
Plåt	Varmförzinkad stålplåt	66,13%	EN10327 DX51D+Z275		
Spjällaxel	Stål	2,46%	DIN2395 Galv		
Aluminium	ZP0410	0,67%	ZP0410		
Aluminium	Aluminium Sapa 6060	1,73%	SAPA 6060		
Packning	Polyeten	0,012%	9002-88-4		
Fästelement	Aluminium/stål	0,43%			
Fästelement	Förzinkad stål	0,15%			
Plast	PUR	0,05%	64060-31-7		
Plast	POM	0,14%	66455-31-0		
Plast	PA 6	0,1%	25038-54-4		
Plast	Polyamid	0,1%	25038-54-4		
EI	Regulator (GUAC)	4,24			Se bifogad material spec.
EI	Spjällmotor	21,42%			Se bifogad material spec.
Packning, EPDM*	<i>EPDM polymer 1+2</i>	0,53%	25038-36-2		
	<i>Carbon black</i>	0,62%	1333-86-4		
	<i>Mineral oil</i>	0,36%	64741-88-4		
	<i>Calciumcarbonate</i>	0,27%	471-34-1		
Övrigt	PVC	0,58%	9002-86-2		

Övriga upplysningar: *Mineraloljan i tätningsringen (EPDM-gummi) finns ej i slutprodukten som vi tillverkar.

Om varans kemiska sammansättning är annan efter inbyggnad än vid leverans, anges innehållet i den **färdiga inbyggda varan** här. Om innehållet är oförändrat lämnas inga uppgifter i nedanstående tabell.

Uppgifter i grönmarkerade fält är krav enligt Kretsloppsrådets riktlinjer.

Ingående material / Komponenter	Ingående ämnen	Vikts-%	EG-nr/ CAS-nr (alt legering)	Klassificering	Kommentar
Övriga upplysningar:					

5 Produktionsskedet

Resursutnyttjande och miljöpåverkan under produktion av varan redovisas på ett av följande sätt:					
<input checked="" type="checkbox"/> 1) Inflöden (råvaror, insatsvaror, energi mm) för den registrerade varan till tillverkningsenheten , och utflöden (emissioner och restprodukter) därifrån, d v s från "grind till grind".					
<input type="checkbox"/> 2) Samtliga inflöden och utflöden från utvinning av råvaror till färdig produkt d v s "vagga till grind".					
<input type="checkbox"/> 3) Annan avgränsning. Ange vad:					
Redovisningen avser enhet av varan	<input type="checkbox"/> Redovisad vara	<input type="checkbox"/> Varans varugrupp	<input type="checkbox"/> Varans tillverkningsenhet		
Ange råvaror och insatsvaror som använts vid tillverkning av varan			<input checked="" type="checkbox"/> Ej relevant		
Råvara/insatsvara	Mängd och enhet	Kommentar			
Ange återvunna material som använts vid tillverkning av varan			<input checked="" type="checkbox"/> Ej relevant		
Materialslag	Mängd och enhet	Kommentar			
Ange energi som använts vid tillverkning av varan eller dess delar			<input checked="" type="checkbox"/> Ej relevant		
Energislag	Mängd och enhet	Kommentar			
Ange transporter som använts vid tillverkning av varan eller dess delar			<input checked="" type="checkbox"/> Ej relevant		
Transportslag	Andel %	Kommentar			
Ange emissioner till luft, vatten eller mark från tillverkning av varan eller dess delar			<input checked="" type="checkbox"/> Ej relevant		
Emissionsslag	Mängd och enhet	Kommentar			
Ange restprodukter från tillverkning av varan eller dess delar			<input checked="" type="checkbox"/> Ej relevant		
Restprodukt	Avfallskod	Mängd	Andel som återvinns		Kommentar
			Material-återvinns %	Energi-återvinns %	
Finns datanoggrannheten för tillverkningsdata beskriven?	<input type="checkbox"/> Ja	<input type="checkbox"/> Nej	Om "ja", specificera:		
Övriga upplysningar:					

6 Distribution av färdig vara

Tillämpar leverantören retursystem för lastbärare av varan?	<input type="checkbox"/> Ej relevant	<input type="checkbox"/> Ja	<input checked="" type="checkbox"/> Nej
Tillämpar leverantören system med flergångsemballage för varan?	<input type="checkbox"/> Ej relevant	<input checked="" type="checkbox"/> Ja	<input type="checkbox"/> Nej
Återtar leverantören emballage för varan?	<input type="checkbox"/> Ej relevant	<input type="checkbox"/> Ja	<input checked="" type="checkbox"/> Nej
Är leverantören ansluten till REPA?	<input type="checkbox"/> Ej relevant	<input checked="" type="checkbox"/> Ja	<input type="checkbox"/> Nej
Övriga upplysningar:			

7 Byggskedet

Ställer varan särskilda krav vid lagring?	<input type="checkbox"/> Ej relevant	<input type="checkbox"/> Ja	<input checked="" type="checkbox"/> Nej	Om "ja", specificera: *)
Ställer varan särskilda krav på omgivande byggvaror?	<input type="checkbox"/> Ej relevant	<input type="checkbox"/> Ja	<input checked="" type="checkbox"/> Nej	Om "ja", specificera:
Övriga upplysningar: *) Se monteringsanvisning eller skötselinstruktion				

8 Bruksskedet

Ställer varan krav på insatsvaror för drift och underhåll?	<input type="checkbox"/> Ja	<input checked="" type="checkbox"/> Nej	Om "ja", specificera:			
Ställer varan krav på energitillförsel för drift?	<input type="checkbox"/> Ja	<input checked="" type="checkbox"/> Nej	Om "ja", specificera:			
Uppskattad teknisk livslängd för varan anges enligt ett av alternativen a) eller b) nedan:						
a) Referenslivslängden uppskattas vara cirka	<input type="checkbox"/> 5 år	<input type="checkbox"/> 10 år	<input type="checkbox"/> 15 år	<input type="checkbox"/> 25 år	<input type="checkbox"/> >50 år	Kommentar
b) Referenslivslängden uppskattas vara i intervallet 15-25 år						
Övriga upplysningar: Referenslivslängd gäller under "normal drift" enligt vid leveranstillfället gällande produktblad.						

9 Rivning

Är varan förberedd för demontering (isärtagning)?	<input type="checkbox"/> Ej relevant	<input checked="" type="checkbox"/> Ja	<input type="checkbox"/> Nej	Om "ja", specificera: Ja modulbyggd
Kräver varan särskilda åtgärder för skydd av hälsa och miljö vid rivning/demontering?	<input type="checkbox"/> Ej relevant	<input type="checkbox"/> Ja	<input checked="" type="checkbox"/> Nej	Om "ja", specificera:
Övriga upplysningar:				

10 Avfallshantering

Är återanvändning möjlig för hela eller delar av varan?	<input type="checkbox"/> Ej relevant	<input checked="" type="checkbox"/> Ja	<input type="checkbox"/> Nej	Om "ja", specificera: Hela produkten kan återanvändas/fräschas upp
Är materialåtervinning möjlig för hela eller delar av varan?	<input type="checkbox"/> Ej relevant	<input checked="" type="checkbox"/> Ja	<input type="checkbox"/> Nej	Om "ja", specificera: Plåtskrot ca 66%, plast ca 3%

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Är energiåtervinning möjlig för hela eller delar av varan?	<input type="checkbox"/> Ej relevant	<input type="checkbox"/> Ja	<input checked="" type="checkbox"/> Nej	Om "ja", specificera:
Har leverantören restriktioner och rekommendationer för återanvändning, material- eller energiåtervinning eller	<input type="checkbox"/> Ej relevant	<input type="checkbox"/> Ja	<input checked="" type="checkbox"/> Nej	Om "ja", specificera:
Ange avfallskod för den levererade varan: 66% Järn och stål 17 04 05, 3% aluminium 17 04 02, 3% plaster 17 02 03, resterande är övrigt avfall 16 01 99				
Är den levererade varan klassad som farligt avfall?	<input type="checkbox"/> Ja	<input checked="" type="checkbox"/> Nej		
Om varans kemiska sammansättning är annan efter inbyggnad än vid leverans, och den färdiga inbyggda varan därmed får en annan avfallskod anges den här. Om den är oförändrad utelämnas nedanstående uppgifter.				
Ange avfallskod för den inbyggda varan				
Är den inbyggda varan klassad som farligt avfall?	<input type="checkbox"/> Ja	<input type="checkbox"/> Nej		
Övriga upplysningar:				

11 Innemiljö (För att lägga till ny grön rad, tabba dig fram från sista gröna radens kommentarsruta eller kopiera en rad med tomma textrutor och klistra in den. Se vidare i anvisningarna.)

Varan avger vid avsedd användning följande emissioner:		<input checked="" type="checkbox"/> Varan avger inga emissioner		
Typ av emission	Mängd [$\mu\text{g}/\text{m}^2\text{h}$] alt [$\text{mg}/\text{m}^3\text{h}$]		Mätmetod	Kommentar
	4 veckor	26 veckor		
Kan varan ge upphov till eget buller?			<input type="checkbox"/> Ej relevant	<input type="checkbox"/> Ja <input checked="" type="checkbox"/> Nej
Värde *)	Enhet		Mätmetod:	
Kan varan ge upphov till elektriska fält?			<input type="checkbox"/> Ej relevant	<input type="checkbox"/> Ja <input checked="" type="checkbox"/> Nej
Värde	Enhet		Mätmetod	
Kan varan ge upphov till magnetiska fält?			<input type="checkbox"/> Ej relevant	<input type="checkbox"/> Ja <input checked="" type="checkbox"/> Nej
Värde	Enhet		Mätmetod	
Övriga upplysningar: *) Vid felaktig dimensionering och installation kan buller uppstå. Produktens ljudalstring framgår av produktblad. Elektriska och magnetiska fält redovisas i produktblad och/eller CE-deklaration.				

Hänvisningar

Bilagor

Uppgifter i grönmarkerade fält är krav enligt Kretsloppsrådets riktlinjer.

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MDS Report

Substances of assemblies and materials

1. Company and Product Name

1.1 Supplier Data

Name [ID]: **Gruner AG [13724]**
DUNS Number: **34-036-6314**
Street/Postal Code: **Buerglestr. 15-17**
Nat./ZipCode/City: **DE 78564 Wehingen**
Supplier Code: **-**
Contact Person: **Michael Spreter**
- Phone: **+049 7426/948 286**

- Fax No.: **-**
- E-Mail Address: **michael.spreter@gruner.de**

1.2 Product Identification

Part/Item No.: **-**
Description: **GUAC-DM3/SWE**
Report No.: **-**
Date of Report: **-**
Purchase Order No.: **-**
Bill of Delivery No.: **-**
Development Sample Report: **No**
IMDS ID / Version: **479308308 / 0.01**
Node ID: **479308308**

MDS Status (Change Date): **Edit mode (04/09/2014)**



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MDS Report

Substances of assemblies and materials

Materials which are subject to legal prohibitions must not be included!
 Dangerous substances formed or released during use must also be declared
 Please note: GADSL list for substances that require declaration

2. Characterization of the Component

Part/Item No.: - Report No.: -
 Description: GUAC-DM3/SWE IMDS ID / Version: 479308308 / 0.01
 Node ID: 479308308

Tree Level	Description Article Name Name Substance name	Part/Item No. Item / Mat. No. Material No. CAS No.	IMDS ID / Version	Quantity	Weight [g]	Portion [%]	Portion (from - to) [%]	Classif. GADSL SVHC	Parts Marking Recyclate (Indust./Consumer) Application (ID)
1	GUAC-DM3/SWE		479308308 / 0.01		175.83				
└2	200-GRPL-002-A		(not available)	1	59.78				Yes
└3	PA66+PA6-GF30	6713123	444191528 / 1		59.78			5.1.a	No
└4	PA66+PA6	-				67.788462	66 - 68		
└4	GF-Fibre	-				30			
└4	Copper-Iodide	7881-85-4				0.027885	0.01 - 0.03		

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Tree Level	Description Article Name Name Substance name	Part/Item No. Item/Mat. No. Material No. CAS No.	IMDS ID / Version	Quantity	Weight [g]	Portion [%]	Portion (from - to) [%]	Classif. GADSL SVHC	Parts Marking Recycle (Indust./Consumer) Application (ID)
└4	Carbon black	1333-86-4				0.289423	0.2 - 0.3		
└4	Further Additives, not to declare	system				1.894231	1 - 2		
└2	227-LEPL-128-E		(not available)	1	23.8				not yet answered
└3	PCB-Standard		137422066 / 6		23.8				
└4	PCB-ceramics without lead, Standard		(not available)			1.359296	0.5 - 2	7.2	No
└5	Misc., not to declare	system				1.25	0.5 - 2		
└5	Ceramic without declarable substances	-				87.1			
└5	Barium	7440-39-3				8.1	7.2 - 9	D	
└5	Nickel	7440-02-0				3.55	2.4 - 4.7	D	Not applicable [34]
└4	PCB-metals, Standard		(not available)			29.145729	28 - 30	3.2	No
└5	Silver	7440-22-4				0.05	0 - 0.1		
└5	Copper	7440-50-8				95.35		D	
└5	Iron	7439-89-6				3	2 - 4		
└5	Manganese	7439-96-5				0.025	0 - 0.05		
└5	Nickel	7440-02-0				0.075	0.05 - 0.1	D	Not applicable [34]
└5	Phosphorus	7723-14-0				0.75	0.5 - 1		
└5	Misc., not to declare	system				0.75	0.5 - 1		
└4	PCB-special metals, Standard		(not available)			2.072864	1.5 - 2.5	4.2	No
└5	Silver	7440-22-4				3	2 - 4		

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Tree Level	Description Article Name Name Substance name	Part/Item No. Item / Mat. No. Material No. CAS No.	IMDS ID / Version	Quantity	Weight [g]	Portion [%]	Portion (from - to) [%]	Classif. GADSL SVHC	Parts Marking Recyclate (Indust./Consumer) Application (ID)
└5	Aluminium (metal)	7429-90-6				40.095			
└5	Gold	7440-57-5				1	0.5 - 1.5		
└5	Boron	7440-42-8				0.15	0.1 - 0.2		
└5	Bismuth	7440-69-9				0.05	0 - 0.1		
└5	Cobalt	7440-48-4				0.15	0.1 - 0.2	D	
└5	Chromium	7440-47-3				0.7	0.4 - 1		
└5	Copper	7440-50-8				3.5	2 - 5	D	
└5	Iron	7439-89-6				5.5	4 - 7		
└5	Manganese	7439-96-5				0.25	0 - 0.5		
└5	Nickel	7440-02-0				12.5	10 - 15	D	Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm ² /week) [33]
└5	Niobium	7440-03-1				0.05	0 - 0.1		
└5	Phosphorus	7723-14-0				0.2	0.1 - 0.3		
└5	Lead	7439-92-1				0.005	0 - 0.01	D / P	Concentration within acceptable GADSL limits [44]
└5	Palladium	7440-05-3				0.2	0.1 - 0.3		
└5	Antimony	7440-36-0				0.1	0 - 0.2		
└5	Tin	7440-31-5				17.5	15 - 20		
└5	Tantalum	7440-25-7				14	12 - 16		



Tree Level	Description Article Name Name Substance name	Part/Item No. Rem./Mat.No. Material No. CAS No.	IMDS ID / Version	Quantity	Weight [g]	Partion [%]	Partion (from - to) [%]	Classif GADSL SVHC	Parts Marking Recyclate (Indust./Consumer) Application ID
-5	Zinc (metal)	7440-66-8				0.3	0.1 - 0.5		
-5	Misc., not to declare	system				0.75	0.5 - 1		
-4	PCB-epoxy for PCB laminate, Standard		(not available)			29.01005	25 - 32	5.4.3	No
-5	Epoxy resin	-				86.7			
-5	Acrylates	-				0.25	0 - 0.5		
-5	Barium sulphate	7727-43-7				0.1	0 - 0.2		
-5	TBBA	79-94-7				7.5	5 - 10	D	
-5	Titanium-dioxide	13463-87-7				0.5	0 - 1		
-5	Talc	14807-96-6				0.2	0 - 0.4		
-5	Misc., not to declare	system				2	1 - 3		
-5	Pigment portion, not to declare	system				1.75	0.5 - 3		
-5	Silica, vitreous	60676-86-0				1	0 - 2		
-4	PCB-epoxy for components, Standard		(not available)			6.718593	5 - 8	5.4.3	No
-5	Bismuth	7440-69-9				0.05	0 - 0.1		
-5	Biphenyl	92-52-4				0.15	0 - 0.3		
-5	Carbon black	1333-86-4				0.25	0.2 - 0.3		
-5	Epoxy resin	-				14.5	13 - 16		
-5	Brominated Epoxy	68928-70-1				0.1	0 - 0.2		



Tree Level	Description Article Name Name Substance name	Partitem No. Item / Mat. No. Material No. CAS No.	IMDS ID / Version	Quantity	Weight [g]	Portion [%]	Portion (from - to) [%]	Classif. GADSL SVHC	Paris Marking Recycle (Indust./Consumer) Application (ID)
-5	Formaldehyde, polymer with (chloromethyl)oxirane and 2-methylphenol	29690-82-2				0.55	0 - 1.1		
-5	Glaes spheres	-				0.55	0.4 - 0.7		
-5	Phenol, polymer with formaldehyde	9003-35-4				2.55	1.1 - 4		
-5	Antimonytrioxide	1309-64-4				0.75	0.3 - 1.2	D	
-5	Silica, vitreous	80876-88-0				79.2			
-5	Misc., not to declare	system				0.25	0 - 0.5		
-5	TBBA	79-94-7				1.1	0.2 - 2	D	
-4	PCB-Organics, Standard		(not available)			1.072864	0.5 - 1.5	9.8	
-5	1,3-Butadiene, 2-methyl-, polymer with 2-methyl-1-propene	9010-85-9				43.95			
-5	gamma-Butyrolactone	96-48-0				18.5	15 - 22		
-5	Carbon	7440-44-0				0.1	0 - 0.2		
-5	Ethane-1,2-diol	107-21-1				4	3 - 5		
-5	LCP	-				3.5	2 - 5		
-5	Cellulose	9004-34-6				8.5	7 - 10		
-5	PAR	-				2	1 - 3		
-5	Perfluoropolyether	60164-51-4				0.2	0 - 0.4		
-5	Polyimide Resin	25036-53-7				1.25	0.5 - 2		



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-5	Polyesterimide resin	-				0.1	0 - 0.2		
-5	Polyphenylene sulfide	9016-75-5				1.25	1 - 1.5		
-5	Polypropylene	106665-43-9				1.25	1 - 1.5		
-5	Polyamid 6.6	32131-17-2				11	10 - 12		
-5	Propanoyl fluoride, 2,3,3,3-tetrafluoro-2-(1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy)-, polymer with trifluoro(trifluoromethyl)oxirane, reaction products with 3-(ethenyldimethylsilyl)-N-methylbenzenamine	185701-88-6				0.15	0 - 0.3		
-5	Polydimethylsiloxane rubber	63394-02-5				1.5	1 - 2		
-5	UP	-				1.25	1 - 1.5		
-5	Misc., not to declare	system				1.5	1 - 2		
-4	PCB-Inorganics/glass, Standard		(not available)			30.291457	28 - 32	7.2	No
-5	GF-Fibre	-				99.3			
-5	Silicon	7440-21-3				0.45	0.3 - 0.6		
-5	Misc., not to declare	system				0.25	0 - 0.5		
-4	PCB-ceramics with lead (10a), Standard		(not available)			0.329146	0.1 - 0.5	7.2	No
-5	Misc., not to declare	system				1.25	0.5 - 2		



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└5	Ceramic without declarable substances	-				47.35			
└5	Lead	7439-92-1				1.85	0.4 - 3.3	D / P	10(a) - Electrical and electronic components which contain lead in a glass or ceramic, in a glass or ceramic matrix compound, in a glass-ceramic material, or in a glass-ceramic matrix compound. This exemption does not cover the use of lead in: - glass in bulbs and glaze of spark plugs, - dielectric ceramic materials of components listed under 10(b), 10(c) and 10(d). [63]
└5	Barium	7440-39-3				48.1		D	
└5	Neodymium	7440-00-8				1.25	0.5 - 2		
└5	Ruthenium	7440-18-8				0.2	0 - 0.4		
└2	200-SCHL-001-A		(not available)	2	0.215				not yet answered
└3	pvc tube	993000575500	109304933 / 1		0.215			5.2	No
└4	PVC	-				100			
└2	227-WELL-003-G		(not available)	2	0.51				not yet answered
└3	POM		24097344 / 1		0.51			5.1.b	No
└4	Further Additives, not to declare	system				2			



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Tree Level	Description Article Name Name Substance name	Part/Item No. Item / Mat. No. Material No. CAS No.	IMDS ID / Version	Quantity	Weight [g]	Portion [%]	Portion (from - to) [%]	Classif. GADSL SVHC	Parts Marking Recyclate (Indust./Consumer) Application (ID)
└4	POM	-				98			
└2	200-LEPL-113-B		(not available)	1	10			not yet answered	
└3	PCB-Standard		137422066 / 6		10				
└4	PCB-ceramics without lead, Standard		(not available)			1.359296	0.5 - 2	7.2 No	
└5	Misc., not to declare	system				1.25	0.5 - 2		
└5	Ceramic without declarable substances	-				87.1			
└5	Barium	7440-39-3				8.1	7.2 - 9	D	
└5	Nickel	7440-02-0				3.55	2.4 - 4.7	D Not applicable [34]	
└4	PCB-metals, Standard		(not available)			29.145729	28 - 30	3.2 No	
└5	Silver	7440-22-4				0.05	0 - 0.1		
└5	Copper	7440-50-8				95.35		D	
└5	Iron	7439-89-6				3	2 - 4		
└5	Manganese	7439-96-5				0.026	0 - 0.05		
└5	Nickel	7440-02-0				0.075	0.05 - 0.1	D Not applicable [34]	
└5	Phosphorus	7723-14-0				0.75	0.5 - 1		
└5	Misc., not to declare	system				0.75	0.5 - 1		
└4	PCB-special metals, Standard		(not available)			2.072864	1.5 - 2.5	4.2 No	
└5	Silver	7440-22-4				3	2 - 4		
└5	Aluminium (metal)	7429-90-5				40.095			

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Tree Level	Description Article Name Name Substance name	Part/Item No. Item / Mat. No. Material No. DAS No.	IMDS ID / Version	Quantity	Weight [g]	Portion [%]	Portion (from - to) [%]	Classif. GADSL SVHC	Parts Marking Recycle (Indust./Consumer) Application [ID]
-5	Gold	7440-57-5				1	0.5 - 1.5		
-5	Boron	7440-42-8				0.15	0.1 - 0.2		
-5	Bismuth	7440-69-9				0.05	0 - 0.1		
-5	Cobalt	7440-48-4				0.15	0.1 - 0.2	D	
-5	Chromium	7440-47-3				0.7	0.4 - 1		
-5	Copper	7440-50-8				3.5	2 - 5	D	
-5	Iron	7439-89-6				5.5	4 - 7		
-5	Manganese	7439-96-5				0.25	0 - 0.5		
-5	Nickel	7440-02-0				12.5	10 - 15	D	Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm2/week) [33]
-5	Niobium	7440-03-1				0.05	0 - 0.1		
-5	Phosphorus	7723-14-0				0.2	0.1 - 0.3		
-5	Lead	7439-92-1				0.005	0 - 0.01	D / P	Concentration within acceptable GADSL limits [44]
-5	Palladium	7440-05-3				0.2	0.1 - 0.3		
-5	Antimony	7440-36-0				0.1	0 - 0.2		
-5	Tin	7440-31-5				17.5	15 - 20		
-5	Tantalum	7440-25-7				14	12 - 16		
-5	Zinc (metal)	7440-66-6				0.3	0.1 - 0.5		



Free Level	Description Article Name Name Substance name	Part/Item No. Item / Mat. No. Material No. CAS No.	IMDS ID / Version	Quantity	Weight [g]	Portion [%]	Portion (from - to) [%]	Classif. GADSL SVHC	Parts Marking Recycle (Indust./Consumer) Application (ID)
-5	Misc., not to declare	system				0.75	0.5 - 1		
-4	PCB-epoxy for PCB laminate, Standard		(not available)			29.01005	25 - 32	5.4.3	No
-5	Epoxy resin	-				86.7			
-5	Acrylates	-				0.25	0 - 0.5		
-5	Barium sulphate	7727-43-7				0.1	0 - 0.2		
-5	TBBA	79-94-7				7.5	5 - 10	D	
-5	Titanium-dioxide	13463-87-7				0.5	0 - 1		
-5	Talc	14807-96-6				0.2	0 - 0.4		
-5	Misc., not to declare	system				2	1 - 3		
-5	Pigment portion, not to declare	system				1.75	0.5 - 3		
-5	Silica, vitreous	80676-86-0				1	0 - 2		
-4	PCB-epoxy for components, Standard		(not available)			6.718593	5 - 8	5.4.3	No
-5	Bismuth	7440-69-9				0.05	0 - 0.1		
-5	Biphenyl	92-52-4				0.15	0 - 0.3		
-5	Carbon black	1333-86-4				0.25	0.2 - 0.3		
-5	Epoxy resin	-				14.5	13 - 16		
-5	Brominated Epoxy	68928-70-1				0.1	0 - 0.2		



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Tree Level	Description Article Name Name Substance name	Part/Item No. Item /Mat.-No. Material No. CAS No.	IMDS ID / Version	Quantity	Weight [g]	Portion [%]	Portion (from - to) [%]	Classif. GADSL SVHC	Parts Marking Recycle (Indust./Consumer) Application ID
└5	Formaldehyde, polymer with (chloromethyl)oxirane and 2-methylphenol	28890-82-2				0.55	0 - 1.1		
└5	Glass spheres	-				0.55	0.4 - 0.7		
└5	Phenol, polymer with formaldehyde	9003-35-4				2.55	1.1 - 4		
└5	Antimonytrioxide	1309-64-4				0.75	0.3 - 1.2	D	
└5	Silica, vitreous	60676-86-0				79.2			
└5	Misc., not to declare	system				0.25	0 - 0.5		
└5	TBBA	79-94-7				1.1	0.2 - 2	D	
└4	PCB-Organics, Standard		(not available)			1.072864	0.5 - 1.5	9.8	
└5	1,3-Butadiene, 2-methyl-, polymer with 2-methyl-1-propene	9010-85-9				43.95			
└5	gamma-Butyrolactone	96-48-0				18.5	15 - 22		
└5	Carbon	7440-44-0				0.1	0 - 0.2		
└5	Ethane-1,2-diol	107-21-1				4	3 - 5		
└5	LCP	-				3.5	2 - 5		
└5	Cellulose	9004-34-6				8.5	7 - 10		
└5	PAR	-				2	1 - 3		
└5	Perfluoropolyether	60164-51-4				0.2	0 - 0.4		
└5	Polyimide Resin	25036-53-7				1.25	0.5 - 2		



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5	Polyesterimide resin	-				0.1	0 - 0.2		
5	Polyphenylene sulfide	9016-75-5				1.25	1 - 1.5		
5	Polypropylene	106566-43-9				1.25	1 - 1.5		
5	Polyamid 6,6	32131-17-2				11	10 - 12		
5	Propanoyl fluoride, 2,3,3,3-tetrafluoro-2-(1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy)-, polymer with trifluoro(trifluoromethyl)oxirane, reaction products with 3-(ethenyldimethylsilyl)-N-methylbenzenamine	185701-88-6				0.15	0 - 0.3		
5	Polydimethylsiloxane rubber	63394-02-5				1.5	1 - 2		
5	UP	-				1.25	1 - 1.5		
5	Misc., not to declare	system				1.5	1 - 2		
4	PCB-Inorganics/glass, Standard		(not available)			30.291457	28 - 32	7.2	No
5	GF-Fibre	-				99.3			
5	Silicon	7440-21-3				0.45	0.3 - 0.6		
5	Misc., not to declare	system				0.25	0 - 0.5		
4	PCB-ceramics with lead (10a), Standard		(not available)			0.329146	0.1 - 0.5	7.2	No
5	Misc., not to declare	system				1.25	0.5 - 2		

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Tree Level	Description Article Name Name Substance name	Part/Item No. Item / Mat. No. Material No. CAS No.	IMDS ID / Version	Quantity	Weight [g]	Portion [%]	Portion (from - to) [%]	Classif. GADSL SVHC	Parts Marking Recyclate (Indust./Consumer) Application (ID)
└5	Ceramic without declarable substances	-				47.35			
└5	Lead	7439-92-1				1.85	0.4 - 3.3	D / P	10(a) - Electrical and electronic components which contain lead in a glass or ceramic, in a glass or ceramic matrix compound, in a glass-ceramic material, or in a glass-ceramic matrix compound. This exemption does not cover the use of lead in: - glass in bulbs and glaze of spark plugs, - dielectric ceramic materials of components listed under 10(b), 10(c) and 10(d). [63]
└5	Barium	7440-39-3				48.1		D	
└5	Neodymium	7440-00-8				1.25	0.5 - 2		
└5	Ruthenium	7440-18-8				0.2	0 - 0.4		
└2	200-GHSE-009-A		(not available)	1	3.23				not yet answered
└3	PC ABS		37164953 / 1		3.23			5.1.b	No
└4	PC+ABS	-				100			
└2	200-GHSE-108-A		(not available)	1	51.21				
└3	200-ZGEL-101-A		(not available)	1	9.24				not yet answered
└4	PA66-CF35FR(52)		14247982 / 4		9.24			5.1.a	No

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└5	PA66	-				58	55.1 - 60.9		
└5	GF-Fibre	-				35	33.95 - 36.05		
└5	Phosphorus	7723-14-0				3	2.97 - 3.03		
└5	Further Additives, not to declare	system				4			
└3	200-STVE-001-A		(not available)	2	1				not yet answered
└4	Evoprene		13609201 / 1		1			5.2	No
└5	Styrene-ethylene-butylene-styrene-block copolymer	104521-01-9				100			
└3	200-GHSE-108-A		(not available)	1	39.97				Yes
└4	PC ABS		37164953 / 1		39.97			5.1.b	No
└5	PC+ABS	-				100			
└2	227-ABKP-030-M		(not available)	1	24.37				Not Applicable
└3	PC ABS		37164953 / 1		24.37			5.1.b	No
└4	PC+ABS	-				100			
└2	PP 3,0x12 SICH. TORX	20346	(not available)	2	0.6				
└3	24CrMo6	1.7258	13931 / 4		0.6			1.1.1	No
└4	Carbon	7440-44-0				0.24	0.2 - 0.28		
└4	Chromium	7440-47-3				1.05	0.9 - 1.2		
└4	Manganese	7439-96-5				0.65	0.5 - 0.8		
└4	Molybdenum	7439-98-7				0.275	0.2 - 0.35		



Tree Level	Description Article Name Name Substance name	Part/Item No. Item / Mat. No. Material No. CAS No.	IMDS ID / Version	Quantity	Weight [g]	Portion [%]	Portion (from - to) [%]	Classif. GADSL SVHC	Parts Marking Recyclate (Indust. - Consumer) Application (ID)
└4	Nickel	7440-02-0				0.3	0 - 0.6	D	Not applicable [34]
└4	Phosphorus	7723-14-0				0.0175	0 - 0.035		
└4	Sulphur	7704-34-9				0.0175	0 - 0.035		
└4	Silicon	7440-21-3				0.2	0 - 0.4		
└4	Iron	7439-89-6				97.25			
└2	Frontfolie	227-FRFL*	471121101 / 1	1	0.7				Not Applicable
└3	PVC	57203	3168542 / 1		0.538			6.5.1	No
└4	Chlorinated polyvinyl chloride	68648-82-8				100			
└3	Siebdruckfarbe/Tampondruckfarbe ausgehärtet		9448512 / 3		0.052			6.1	
└4	Pigment portion, not to declare	system				65			
└4	Organic Ingredient, not to declare	system				35	30 - 40		
└3	Siebdruckkleber		(not available)		0.11			6.2	
└4	Misc., not to declare	system				1	0 - 2		
└4	Organic Ingredient, not to declare	system				1	0 - 2		
└4	Acrylic polymer	37325-11-4				98			
└2	227-TYSH-000-B		(not available)	1	0.09				not yet answered
└3	PET-Label/PET-Etikett	5-30 mg/cm ² / mean 15 mg/cm ²	14085118 / 5		0.09				
└4	PET-Folie für Etiketten		(not available)			65	60 - 70	5.1.b	No



Tree Level	Description Article Name Name Substance name	Part/Item No. Item / Mat. No. Material No. CAS No.	IMDS ID / Version	Quantity	Weight [g]	Portion [%]	Portion (from - to) [%]	Classif. GADSL SVHC	Parts Marking Recycle (Indust./Consumer) Application (ID)
-5	PET	-				98			
-5	Phthalate plasticizer ISO 1043-3, not declarable	-				1	0 - 2		
-5	Misc., not to declare	system				1	0 - 2		
-4	Sieb-/Tampon-/Flexo-/Buchdruckfarbe ausgehärtet		9448512 / 4			1.5	1 - 2	6.1	
-5	Pigment portion, not to declare	system				65			
-5	Organic Ingredient, not to declare	system				35	30 - 40		
-4	Acrylharzkleber für Etiketten		14084231 / 1			33.5		6.2	
-5	Acrylic resin	-				99			
-5	Misc., not to declare	system				1	0 - 2		

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MDS Report

Substances of assemblies and materials

1. Company and Product Name

1.1 Supplier Data

Name [ID]: **Gruner AG [13724]**
DUNS Number: **34-036-6314**
Street/Postal Code: **Buerglestr. 15-17**
Nat./ZipCode/City: **DE 78564 Wehingen**
Supplier Code: **-**
Contact Person: **Michael Spreter**
- Phone: **+049 7426/948 286**

- Fax No.: **-**
- E-Mail Address: **michael.spreter@gruner.de**

1.2 Product Identification

Part/Item No.: **-**
Description: **341C-024-05-V/ST06**
Report No.: **-**
Date of Report: **-**
Purchase Order No.: **-**
Bill of Delivery No.: **-**
Development Sample Report: **Yes**
IMDS ID / Version: **479804765 / 0.01**
Node ID: **479804765**

MDS Status (Change Date): **Edit mode (04/11/2014)**



MDS Report

Substances of assemblies and materials

Materials which are subject to legal prohibitions must not be included!
Dangerous substances formed or released during use must also be declared
Please note: GADSL list for substances that require declaration

2. Characterization of the Component

Part/Item No.: -
Description: 341C-024-05-V/ST06

Report No.: -
IMDS ID / Version: 479804765 / 0.01
Node ID: 479804765

Tree Level	Description Article Name Name Substance name	Part/Item No. Item / Mat. No. Material No. CAS No.	IMDS ID / Version	Quantity	Weight [g]	Portion [%]	Portion (from - to) [%]	Classif. GADSL SVHC	Parts Marking Recyclate (Indust./Consumer) Application [ID]
1	341C-024-05-V/ST06		479804765 / 0.01		889.2				
└2	340-PLTN-101-A	35932	(not available)	1	135.741				
└3	340-PLTN-001-A	35777	(not available)	1	99.144				
└4	DC01	1.0330	12375 / 2		99.144			1.1.1	No
└5	Carbon	7440-44-0				0.06	0 - 0.12		
└5	Manganese	7439-96-5				0.3	0 - 0.6		



Tree Level	Description Article Name Name Substanzname	Part/Item No. Item / Mat. No. Material No. CAS No.	IMDS ID / Version	Quantity	Weight (g)	Portion (%)	Portion (from - to) (%)	Classif. GADSL SVHC	Parts Marking Recyclate (Indust./Consumer) Application (ID)
-5	Phosphorus	7723-14-0				0.0225	0 - 0.045		
-5	Sulphur	7704-34-9				0.0225	0 - 0.045		
-5	Iron	7439-89-6				99.595			
-3	340-BCHE-002-A	33797	(not available)	1	0.908				
-4	CuZn39Pb3	CW614N	8614759 / 5		0.908			3.2	No
-5	Copper	7440-50-8				58	57 - 59	D	
-5	Aluminium (metal)	7429-90-5				0.025	0 - 0.05		
-5	Iron	7439-89-6				0.15	0 - 0.3		
-5	Nickel	7440-02-0				0.15	0 - 0.3	D	Not applicable [34]
-5	Lead	7439-92-1				3	2.5 - 3.5	D / P	Alloying element in copper [3]
-5	Tin	7440-31-5				0.15	0 - 0.3		
-5	Misc., not to declare	system				0.1	0 - 0.2		
-5	Zinc (metal)	7440-66-6				38.425			
-3	340-STIF-001-A	35928	(not available)	1	0.207				
-4	60S20Pb+Bi	1.0758	1946356 / 1		0.207			1.1.1	No
-5	Carbon	7440-44-0				0.66	0.62 - 0.7		
-5	Manganese	7439-96-5				1.3	1.2 - 1.4		
-5	Phosphorus	7723-14-0				0.03	0 - 0.06		



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└5	Lead	7439-92-1				0.225	0.15 - 0.3	D / P	Alloying element in steel for machining purposes or galvanised steel [1]
└5	Sulphur	7704-34-9				0.2	0.15 - 0.25		
└5	Silicon	7440-21-3				0.2	0.1 - 0.3		
└5	Iron	7439-89-8				97.305			
└5	Bismuth	7440-69-9				0.08	0.06 - 0.1		
└3	340-STIF-002-A	35929	(not available)	1	0.893				
└4	60S20Pb+Bi	1.0758	1946356 / 1		0.893			1.1.1	No
└5	Carbon	7440-44-0				0.66	0.62 - 0.7		
└5	Manganese	7439-96-5				1.3	1.2 - 1.4		
└5	Phosphorus	7723-14-0				0.03	0 - 0.06		
└5	Lead	7439-92-1				0.225	0.15 - 0.3	D / P	Alloying element in steel for machining purposes or galvanised steel [1]
└5	Sulphur	7704-34-9				0.2	0.15 - 0.25		
└5	Silicon	7440-21-3				0.2	0.1 - 0.3		
└5	Iron	7439-89-6				97.305			
└5	Bismuth	7440-69-9				0.08	0.06 - 0.1		
└3	340-STIF-003-A	35930	(not available)	1	2.503				
└4	60S20Pb+Bi	1.0758	1946356 / 1		2.503			1.1.1	No

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Tree Level	Description Article Name Name Substance name	Part/Item No. Item / Mat. No. Material No. CAS No.	IMDS ID / Version	Quantity	Weight (g)	Portion (%)	Portion (from - to) (%)	Classif. GADSL SVHD	Parts Marking Recyclate (Indust./Consumer) Application (ID)
-5	Carbon	7440-44-0				0.66	0.62 - 0.7		
-5	Manganese	7439-96-5				1.3	1.2 - 1.4		
-5	Phosphorus	7723-14-0				0.03	0 - 0.06		
-5	Lead	7439-92-1				0.225	0.15 - 0.3	D / P	Alloying element in steel for machining purposes or galvanised steel [1]
-5	Sulphur	7704-34-9				0.2	0.15 - 0.25		
-5	Silicon	7440-21-3				0.2	0.1 - 0.3		
-5	Iron	7439-89-6				97.305			
-5	Bismuth	7440-69-9				0.08	0.06 - 0.1		
-3	340-STIF-004-A	35931	(not available)	1	3.939				
-4	60S20Pb+Bi	1.0758	1946356 / 1		3.939			1.1.1	No
-5	Carbon	7440-44-0				0.66	0.62 - 0.7		
-5	Manganese	7439-96-5				1.3	1.2 - 1.4		
-5	Phosphorus	7723-14-0				0.03	0 - 0.06		
-5	Lead	7439-92-1				0.225	0.15 - 0.3	D / P	Alloying element in steel for machining purposes or galvanised steel [1]
-5	Sulphur	7704-34-9				0.2	0.15 - 0.25		
-5	Silicon	7440-21-3				0.2	0.1 - 0.3		
-5	Iron	7439-89-6				97.305			



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-5	Bismuth	7440-89-9				0.08	0.06 - 0.1		
-3	340-ASBO-001-A	32016	(not available)	2	6.508				
-4	11SMnPb30	1.0718	12630 / 2		6.508			1.1.1	No
-5	Carbon	7440-44-0				0.07	0 - 0.14		
-5	Manganese	7439-96-5				1.1	0.9 - 1.3		
-5	Phosphorus	7723-14-0				0.055	0 - 0.11		
-5	Lead	7439-92-1				0.275	0.2 - 0.35	D / P	Alloying element in steel for machining purposes or galvanised steel [1]
-5	Sulphur	7704-34-9				0.3	0.27 - 0.33		
-5	Silicon	7440-21-3				0.025	0 - 0.05		
-5	Iron	7439-89-6				98.175			
-3	340-ASBO-002-A	32017	(not available)	1	7.415				
-4	11SMnPb30	1.0718	12630 / 2		7.415			1.1.1	No
-5	Carbon	7440-44-0				0.07	0 - 0.14		
-5	Manganese	7439-96-5				1.1	0.9 - 1.3		
-5	Phosphorus	7723-14-0				0.055	0 - 0.11		
-5	Lead	7439-92-1				0.275	0.2 - 0.35	D / P	Alloying element in steel for machining purposes or galvanised steel [1]
-5	Sulphur	7704-34-9				0.3	0.27 - 0.33		



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Tree Level	Description Article Name Name Substance name	Part/Item No. Item - Mat-No Material-No CAS No.	IMDS ID / Version	Quantity	Weight [g]	Portion [%]	Portion (from - to) [%]	Classif. GADSL SVHC	Parts Marking Recyclate (Industrial/Consumer) Application [ID]
-5	Silicon	7440-21-3				0,025	0 - 0,05		
-5	Iron	7439-89-6				98,175			
-3	360-ASBO-001-B	33310	(not available)	2	3,859				
-4	11SMnPb30	1.0718	12630 / 2		3,859			1.1.1	No
-5	Carbon	7440-44-0				0,07	0 - 0,14		
-5	Manganese	7439-96-5				1,1	0,9 - 1,3		
-5	Phosphorus	7723-14-0				0,055	0 - 0,11		
-5	Lead	7439-92-1				0,275	0,2 - 0,35	D / P	Alloying element in steel for machining purposes or galvanised steel [1]
-5	Sulphur	7704-34-9				0,3	0,27 - 0,33		
-5	Silicon	7440-21-3				0,025	0 - 0,05		
-5	Iron	7439-89-6				98,175			
-2	340-SCHE-001-A	32044	(not available)	1	4,64				
-3	X10CrNi18-8	1.4310	36413360 / 4		4,64			1.1.2	No
-4	Carbon	7440-44-0				0,1	0,05 - 0,15		
-4	Chromium	7440-47-3				17,5	16 - 19		
-4	Manganese	7439-96-5				1	0 - 2		
-4	Nitrogen	7727-37-9				0,055	0 - 0,11		



Tree Level	Description Article Name Name Substance name	Part/Item No. Item, Mar. No. Material-No. CAS No.	IMDS ID / Version	Quantity	Weight [g]	Portion [%]	Portion (from - to) [%]	Classif. GADSL SVHC	Parts Marking Recycle (Indust./Consumer) Application [ID]
└4	Nickel	7440-02-0				7.75	6 - 9.5	D	Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm2/week) [33]
└4	Phosphorus	7723-14-0				0.0225	0 - 0.045		
└4	Sulphur	7704-34-9				0.0075	0 - 0.015		
└4	Silicon	7440-21-3				1	0 - 2		
└4	Iron	7439-89-6				71.665			
└4	Copper	7440-50-8				0.5	0 - 1	D	
└4	Molybdenum	7439-98-7				0.4	0 - 0.8		
└2	340-FDGH-101-A	33570	(not available)	1	42.227				
└3	340-FDGH-001-A	32047	(not available)	1	31.902				
└4	DC01	1.0330	12375 / 2		31.902			1.1.1	No
└5	Carbon	7440-44-0				0.06	0 - 0.12		
└5	Manganese	7439-98-5				0.3	0 - 0.6		
└5	Phosphorus	7723-14-0				0.0225	0 - 0.045		
└5	Sulphur	7704-34-9				0.0225	0 - 0.045		
└5	Iron	7439-89-6				99.595			
└3	340-FDKN-001-A	32027	(not available)	1	10.325				
└4	Sint-D30		13045260 / 2		10.325			1.1	No
└5	Iron	7439-89-6				92.55			



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└5	Copper	7440-50-8				3	1 - 5	D	
└5	Carbon	7440-44-0				0.15	0 - 0.3		
└5	Misc., not to declare	system				1	0 - 2		
└5	Nickel	7440-02-0				3	1 - 5	D	Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm2/week) (3)
└5	Molybdenum	7439-98-7				0.3	0 - 0.6		
└2	340-BCHE-001-A	32393	(not available)	2	0.8				not yet answered
└3	PA66-GF20		14135047 / 4		0.8			5.1.a	No
└4	PA66 Colour Masterbatch	-	14116311 / 1			5		5.1.b	
└5	PA66	-				19			
└5	Further Additives, not to declare	system				1			
└5	Pigment portion, not to declare	system				80			
└4	PA66-GF20		14125485 / 3			95		5.1.a	
└5	PA66	-				75			
└5	Further Additives, not to declare	system				5			
└5	GF-Fibre	-				20			
└2	340-BCHD-001-A	32061	(not available)	1	0.686				
└3	CuZn39Pb3	CW614N	8614759 / 5		0.686			3.2	No
└4	Copper	7440-50-8				58	57 - 59	D	

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└4	Aluminium (metal)	7429-90-5				0.025	0 - 0.05		
└4	Iron	7439-89-6				0.15	0 - 0.3		
└4	Nickel	7440-02-0				0.15	0 - 0.3	D	Not applicable [34]
└4	Lead	7439-92-1				3	2.5 - 3.5	D / P	Alloying element in copper [3]
└4	Tin	7440-31-5				0.15	0 - 0.3		
└4	Misc., not to declare	system				0.1	0 - 0.2		
└4	Zinc (metal)	7440-66-6				38.425			
└2	200-TRIB-001-D	34577	(not available)	1	0.43				not yet answered
└3	Plastic, Delrin		26054355 / 1		0.43			5.1.b	No
└4	POM	-				99	98 - 100		
└4	Further Additives, not to declare	system				1			
└2	340-RDZH-102-A	32752	(not available)	1	2.331				
└3	340-RTZL-002-A	32060	(not available)	1	1.901				
└4	11SMnPb30	1.0718	12630 / 2		1.901			1.1.1	No
└5	Carbon	7440-44-0				0.07	0 - 0.14		
└5	Manganese	7439-96-5				1.1	0.9 - 1.3		
└5	Phosphorus	7723-14-0				0.055	0 - 0.11		
└5	Lead	7439-92-1				0.275	0.2 - 0.35	D / P	Alloying element in steel for machining purposes or galvanised steel [1]



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└5	Sulphur	7704-34-9				0.3	0.27 - 0.33		
└5	Silicon	7440-21-3				0.025	0 - 0.05		
└5	Iron	7439-89-6				98.175			
└3	200-TRIB-001-D	34577	(not available)	1	0.43				Not Applicable
└4	Minlon	22C	52487740 / 1		0.43			5.5.1	No
└5	Carbon black	1333-86-4				1.142857	0 - 2		
└5	epsilon-Caprolactam	105-60-2				0.571429	0 - 1		
└5	Misc., not to declare	system				37.428571	34 - 40		
└5	PA66	-				60.857143	58 - 63		
└2	200-RDZH-063-B	36847	(not available)	1	21.139				
└3	Sint-D32		13045541 / 2		17.7			1.1	No
└4	Iron	7439-89-6				93.1			
└4	Copper	7440-50-8				1.5	0 - 3	D	
└4	Carbon	7440-44-0				0.6	0.3 - 0.9		
└4	Misc., not to declare	system				1	0 - 2		
└4	Nickel	7440-02-0				2.5	0 - 5	D	Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm2/week) [33]
└4	Molybdenum	7439-98-7				1.3	0.6 - 2		
└3	11SMnPb30	1.0718	12630 / 2		3.439			1.1.1	No

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└4	Carbon	7440-44-0				0.07	0 - 0.14		
└4	Manganese	7439-98-5				1.1	0.9 - 1.3		
└4	Phosphorus	7723-14-0				0.055	0 - 0.11		
└4	Lead	7439-92-1				0.275	0.2 - 0.35	D / P	Alloying element in steel for machining purposes or galvanised steel [1]
└4	Sulphur	7704-34-9				0.3	0.27 - 0.33		
└4	Silicon	7440-21-3				0.025	0 - 0.05		
└4	Iron	7439-89-6				98.175			
└2	200-TRIB-004-A	33832	(not available)	1	26.315				
└3	Sint-D32		13045541 / 2		26.315			1.1	No
└4	Iron	7439-89-6				93.1			
└4	Copper	7440-50-8				1.5	0 - 3	D	
└4	Carbon	7440-44-0				0.6	0.3 - 0.9		
└4	Misc., not to declare	system				1	0 - 2		
└4	Nickel	7440-02-0				2.5	0 - 5	D	Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm2/week) [33]
└4	Molybdenum	7439-98-7				1.3	0.6 - 2		
└2	340-BCHD-003-A	32758	(not available)	1	0.478				
└3	CuZn39Pb3	CW614N	8614758 / 5		0.478			3.2	No



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4	Copper	7440-50-8				58	57 - 59	D	
4	Aluminium (metal)	7429-90-5				0.025	0 - 0.05		
4	Iron	7439-89-6				0.15	0 - 0.3		
4	Nickel	7440-02-0				0.15	0 - 0.3	D	Not applicable [34]
4	Lead	7439-92-1				3	2.5 - 3.5	D / P	Alloying element in copper [3]
4	Tin	7440-31-5				0.15	0 - 0.3		
4	Misc., not to declare	system				0.1	0 - 0.2		
4	Zinc (metal)	7440-66-6				38.425			
2	340-RTZL-009-A	32125	(not available)	1	3.73				
3	Sint-D32		13045541 / 2		3.73			1.1	No
4	Iron	7439-89-6				93.1			
4	Copper	7440-50-8				1.5	0 - 3	D	
4	Carbon	7440-44-0				0.6	0.3 - 0.9		
4	Misc., not to declare	system				1	0 - 2		
4	Nickel	7440-02-0				2.5	0 - 5	D	Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm2/week) [33]
4	Molybdenum	7439-98-7				1.3	0.6 - 2		
2	340-BCHD-002-A	32616	(not available)	1	2.11				
3	CuZn39Pb3	CW614N	8614759 / 5		2.11			3.2	No



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4	Copper	7440-50-8				58	57 - 59	D	
4	Aluminium (metal)	7429-90-5				0.025	0 - 0.05		
4	Iron	7439-89-6				0.15	0 - 0.3		
4	Nickel	7440-02-0				0.15	0 - 0.3	D	Not applicable [34]
4	Lead	7439-92-1				3	2.5 - 3.5	D / P	Alloying element in copper [3]
4	Tin	7440-31-5				0.15	0 - 0.3		
4	Misc., not to declare	system				0.1	0 - 0.2		
4	Zinc (metal)	7440-66-6				38.425			
2	341-RDPO-001-A		(not available)	1	1.68				not yet answered
3	Plastic, Delrin		26054355 / 1		1.68			5.1.b	No
4	POM	-				99	98 - 100		
4	Further Additives, not to declare	system				1			
2	340-SHAN-001-A	35701	(not available)	1	2.7				not yet answered
3	Minion	22C	52487740 / 1		2.7			5.5.1	No
4	Carbon black	1333-85-4				1.142857	0 - 2		
4	epsilon-Caprolactam	105-60-2				0.571429	0 - 1		
4	Misc., not to declare	system				37.428571	34 - 40		
4	PA66	-				60.857143	58 - 63		
2	341-WEAB-101-A		(not available)	1	102.27				



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3	341-WEAB-001-A		(not available)	1	73.82				
4	11SMnPb30	1.0718	12630 / 2		73.82			1.1.1	No
5	Carbon	7440-44-0				0.07	0 - 0.14		
5	Manganese	7439-96-5				1.1	0.9 - 1.3		
5	Phosphorus	7723-14-0				0.055	0 - 0.11		
5	Lead	7439-92-1				0.275	0.2 - 0.35	D / P	Alloying element in steel for machining purposes or galvanised steel [1]
5	Sulphur	7704-34-9				0.3	0.27 - 0.33		
5	Silicon	7440-21-3				0.025	0 - 0.05		
5	Iron	7439-89-6				98.175			
3	340-RDZH-055-A		(not available)	1	28.45				
4	Sint-D32		13045541 / 2		28.45			1.1	No
5	Iron	7439-89-6				93.1			
5	Copper	7440-50-8				1.5	0 - 3	D	
5	Carbon	7440-44-0				0.6	0.3 - 0.9		
5	Misc., not to declare	system				1	0 - 2		
5	Nickel	7440-02-0				2.5	0 - 5	D	Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm2/week) [33]
5	Molybdenum	7439-98-7				1.3	0.6 - 2		

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-2	340-PLTN-102-A	34862	(not available)	1	76.067				
-3	340-PLTN-002-A	34859	(not available)	1	75.161				
-4	DC01	1.0330	12375 / 2		75.161			1.1.1	No
-5	Carbon	7440-44-0				0.06	0 - 0.12		
-5	Manganese	7439-96-5				0.3	0 - 0.6		
-5	Phosphorus	7723-14-0				0.0225	0 - 0.045		
-5	Sulphur	7704-34-9				0.0225	0 - 0.045		
-5	Iron	7439-89-6				99.595			
-3	340-BCHE-002-A	33797	(not available)	1	0.906				
-4	CuZn39Pb3	CW614N	8614759 / 5		0.906			3.2	No
-5	Copper	7440-50-8				58	57 - 59	D	
-5	Aluminium (metal)	7429-90-5				0.025	0 - 0.05		
-5	Iron	7439-89-6				0.15	0 - 0.3		
-5	Nickel	7440-02-0				0.15	0 - 0.3	D	Not applicable [34]
-5	Lead	7439-92-1				3	2.5 - 3.5	D / P	Alloying element in copper [3]
-5	Tin	7440-31-5				0.15	0 - 0.3		
-5	Misc., not to declare	system				0.1	0 - 0.2		
-5	Zinc (metal)	7440-66-6				38.425			
-2	340-HALT-101-A	35770	(not available)	1	59.462				



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-3	200-MITN-001-A		(not available)	1	0.13				
-4	CuZn39Pb3	CW614N	8614759 / 5		0.13			3.2	No
-5	Copper	7440-50-8				58	57 - 59	D	
-5	Aluminium (metal)	7429-90-5				0.025	0 - 0.05		
-5	Iron	7439-89-8				0.15	0 - 0.3		
-5	Nickel	7440-02-0				0.15	0 - 0.3	D	Not applicable [34]
-5	Lead	7439-92-1				3	2.5 - 3.5	D / P	Alloying element in copper [3]
-5	Tin	7440-31-5				0.15	0 - 0.3		
-5	Misc., not to declare	system				0.1	0 - 0.2		
-5	Zinc (metal)	7440-66-6				38.425			
-3	340-HALT-001-A	35128	(not available)	1	32.823				Not Applicable
-4	PA66-GF35FR(52)		14247982 / 4		32.823			5.1.a	No
-5	PA66	-				58	55.1 - 60.9		
-5	GF-Fibre	-				35	33.95 - 36.05		
-5	Phosphorus	7723-14-0				3	2.97 - 3.03		
-5	Further Additives, not to declare	system				4			
-3	200-RTZM-001-A	35936	(not available)	1	0.11				Not Applicable
-4	Plastic, Delrin		28054355 / 1		0.11			5.1.b	No
-5	POM	-				99	98 - 100		



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-5	Further Additives, not to declare	system				1			
-3	200-MOTR-005-A	33781	(not available)	1	26.3				
-3	200-KABL-015-A	32343	(not available)	1	0.099				
-2	200-KABL-104-C		(not available)	1	33.5				not yet answered
-3	CuSn2		11859094 / 2		18.18			3.2	No
-4	Copper	7440-50-8				97.72		D	
-4	Iron	7439-89-6				0.05	0 - 0.1		
-4	Nickel	7440-02-0				0.15	0 - 0.3	D	Not applicable [34]
-4	Phosphorus	7723-14-0				0.155	0.01 - 0.3		
-4	Lead	7439-92-1				0.025	0 - 0.05	D / P	Concentration within acceptable GADSL limits [44]
-4	Tin	7440-31-5				1.75	1 - 2.5		
-4	Zinc (metal)	7440-66-6				0.15	0 - 0.3		
-3	Elastollan 1180 D 50		24535361 / 1		12.823			5.4.1	No
-4	PUR	-				99	98 - 100		
-4	Further Additives, not to declare	system				1	0 - 2		
-3	Sn 99.85		11895823 / 2		0.9			4.2	No
-4	Aluminium (metal)	7429-90-5				0.000402	0 - 0.001		
-4	Arsenic	7440-38-2				0.012064	0 - 0.03	D	
-4	Bismuth	7440-89-9				0.012064	0 - 0.03		



Tree Level	Description Article Name Name Substance name	Part/Item No. Item / Mat. No. Material No. CAS No.	IMDS ID / Version	Quantity	Weight (g)	Portion (%)	Portion (from - to) (%)	Classif. GADSL SVHC	Paris Marking Recyclate (Indust./Consumer) Application (ID)
└4	Cadmium	7440-43-9				0.000402	0 - 0.001	D / P / SVHC	Concentration within acceptable GADSL limits [47]
└4	Copper	7440-50-8				0.020107	0 - 0.05	D	
└4	Iron	7439-89-6				0.004021	0 - 0.01		
└4	Lead	7439-92-1				0.020107	0 - 0.05	D / P	Concentration within acceptable GADSL limits [44]
└4	Antimony	7440-38-0				0.020107	0 - 0.05		
└4	Tin	7440-31-5				99.910322	99.85 - 100		
└4	Zinc (metal)	7440-66-6				0.000402	0 - 0.001		
└3	PBT GF	THG6 / 74	17491278 / 1		1.7			5.1.a	No
└4	PBT	-				67			
└4	GF-Fibre	-				30			
└4	Further Additives, not to declare	system				3			
└2	1060 0030 Kabeltülle	30481	(not available)	3	1				not yet answered
└3	Rubber-EDPM		57205574 / 1		1			5.3	No
└4	EPDM	-				100			
└2	341-LEPL-101-B		(not available)	1	19.485				
└3	230-DRBR-008-A	35320	(not available)	1	0.017				
└4	CuZn37 Brass Strip	CuZn37	136339264 / 1		0.017			3.2	No
└5	Copper	7440-50-8				63	62 - 64	D	
└5	Zinc (metal)	7440-66-6				36.9625			



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└5	Iron	7439-89-6				0.0175	0 - 0.035		
└5	Nickel	7440-02-0				0.015	0 - 0.03	D	Not applicable [34]
└5	Lead	7439-92-1				0.005	0 - 0.01	D / P	Concentration within acceptable GADSL limits [44]
└3	340-LEPL-102-A		(not available)	1	19.468				not yet answered
└4	PCB-Standard		137422066 / 6		19.468				
└5	PCB-ceramics without lead, Standard		(not available)			1.359298	0.5 - 2	7.2	No
└6	Misc., not to declare	system				1.25	0.5 - 2		
└6	Ceramic without declarable substances	-				87.1			
└6	Barium	7440-39-3				8.1	7.2 - 9	D	
└6	Nickel	7440-02-0				3.55	2.4 - 4.7	D	Not applicable [34]
└5	PCB-metals, Standard		(not available)			29.145729	28 - 30	3.2	No
└6	Silver	7440-22-4				0.05	0 - 0.1		
└6	Copper	7440-50-8				95.35		D	
└6	Iron	7439-89-6				3	2 - 4		
└6	Manganese	7439-96-5				0.025	0 - 0.05		
└6	Nickel	7440-02-0				0.075	0.05 - 0.1	D	Not applicable [34]
└6	Phosphorus	7723-14-0				0.75	0.5 - 1		
└6	Misc., not to declare	system				0.75	0.5 - 1		



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5	PCB-special metals, Standard		(not available)			2.072864	1.5 - 2.5	4.2	No
6	Silver	7440-22-4				3	2 - 4		
6	Aluminium (metal)	7429-90-5				40.095			
6	Gold	7440-57-5				1	0.5 - 1.5		
6	Boron	7440-42-8				0.16	0.1 - 0.2		
6	Bismuth	7440-69-9				0.05	0 - 0.1		
6	Cobalt	7440-48-4				0.15	0.1 - 0.2	D	
6	Chromium	7440-47-3				0.7	0.4 - 1		
6	Copper	7440-50-8				3.5	2 - 5	D	
6	iron	7439-89-6				5.5	4 - 7		
6	Manganese	7439-96-5				0.25	0 - 0.5		
6	Nickel	7440-02-0				12.5	10 - 15	D	Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm2/week) [33]
6	Niobium	7440-03-1				0.05	0 - 0.1		
6	Phosphorus	7723-14-0				0.2	0.1 - 0.3		
6	Lead	7439-92-1				0.005	0 - 0.01	D / P	Concentration within acceptable GADSL limits [44]
6	Palladium	7440-05-3				0.2	0.1 - 0.3		
6	Antimony	7440-36-0				0.1	0 - 0.2		



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6	Tin	7440-31-5				17,5	15 - 20		
6	Tantalum	7440-25-7				14	12 - 16		
6	Zinc (metal)	7440-66-6				0,3	0,1 - 0,5		
6	Misc., not to declare	system				0,75	0,5 - 1		
5	PCB-epoxy for PCB laminate, Standard		(not available)			29,01005	25 - 32	5.4.3	No
6	Epoxy resin	-				86,7			
6	Acrylates	-				0,25	0 - 0,5		
6	Barium sulphate	7727-43-7				0,1	0 - 0,2		
6	TBBA	79-94-7				7,9	5 - 10	D	
6	Titanium-dioxide	13463-67-7				0,5	0 - 1		
6	Talc	14807-96-6				0,2	0 - 0,4		
6	Misc., not to declare	system				2	1 - 3		
6	Pigment portion, not to declare	system				1,75	0,5 - 3		
6	Silica, vitreous	60676-86-0				1	0 - 2		
5	PCB-epoxy for components, Standard		(not available)			6,718593	5 - 8	5.4.3	No
6	Bismuth	7440-69-9				0,05	0 - 0,1		
6	Biphenyl	92-52-4				0,16	0 - 0,3		
6	Carbon black	1333-86-4				0,25	0,2 - 0,3		
6	Epoxy resin	-				14,5	13 - 16		

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└6	Brominated Epoxy	68928-70-1				0.1	0 - 0.2		
└6	Formaldehyde, polymer with (chloromethyl)oxirane and 2-methylphenol	29690-82-2				0.55	0 - 1.1		
└6	Glass spheres	-				0.55	0.4 - 0.7		
└6	Phenol, polymer with formaldehyde	9003-35-4				2.55	1.1 - 4		
└6	Antimonytrioxide	1309-84-4				0.75	0.3 - 1.2	D	
└6	Silica, vitreous	60676-86-0				79.2			
└6	Misc., not to declare	system				0.25	0 - 0.5		
└6	TBBA	79-94-7				1.1	0.2 - 2	D	
└5	PCB-Organics, Standard		(not available)			1.072864	0.5 - 1.5	9.8	
└6	1,3-Butadiene, 2-methyl-, polymer with 2-methyl-1-propene	9010-85-9				43.95			
└6	gamma-Butyrolactone	96-48-0				18.5	15 - 22		
└6	Carbon	7440-44-0				0.1	0 - 0.2		
└6	Ethane-1,2-diol	107-21-1				4	3 - 5		
└6	LCP	-				3.5	2 - 5		
└6	Cellulose	9004-34-6				8.5	7 - 10		
└6	PAR	-				2	1 - 3		
└6	Perfluoropolyether	80164-51-4				0.2	0 - 0.4		



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├6	Polyimide Resin	25038-53-7				1.25	0.5 - 2		
├6	Polyesterimide resin	-				0.1	0 - 0.2		
├6	Polyphenylene sulfide	9016-75-5				1.25	1 - 1.5		
├6	Polypropylene	106565-43-9				1.25	1 - 1.5		
├6	Polyamid 8,6	32131-17-2				11	10 - 12		
├6	Propanoyl fluoride, 2,3,3,3-tetrafluoro-2-(1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy)-, polymer with trifluoro(trifluoromethyl)oxirane, reaction products with 3-(ethenyl(dimethylsilyl)-N-methylbenzenamine	185701-88-6				0.15	0 - 0.3		
├6	Polydimethylsiloxane rubber	63394-02-5				1.5	1 - 2		
├6	UP	-				1.25	1 - 1.5		
├6	Misc., not to declare	system				1.5	1 - 2		
├5	PCB-Inorganics/glass, Standard		(not available)			30,291457	28 - 32	7.2	No
├6	GF-Fibre	-				99.3			
├6	Silicon	7440-21-3				0.45	0.3 - 0.6		
├6	Misc., not to declare	system				0.25	0 - 0.5		
├5	PCB-ceramics with lead (10a), Standard		(not available)			0,329146	0.1 - 0.5	7.2	No
├6	Misc., not to declare	system				1.25	0.5 - 2		

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└6	Ceramic without declarable substances	-				47.35			
└6	Lead	7439-92-1				1.85	0.4 - 3.3	D / P	10(a) - Electrical and electronic components which contain lead in a glass or ceramic, in a glass or ceramic matrix compound, in a glass-ceramic material, or in a glass-ceramic matrix compound. This exemption does not cover the use of lead in: - glass in bulbs and glaze of spark plugs, - dielectric ceramic materials of components listed under 10(b), 10(c) and 10(d). [63]
└6	Barium	7440-39-3				48.1		D	
└6	Neodymium	7440-00-8				1.25	0.5 - 2		
└6	Ruthenium	7440-18-8				0.2	0 - 0.4		
└2	340-HULS-001-A	32028	(not available)	4	15.933				
└3	DC01	1.0330	12375 / 2		15.933			1.1.1	No
└4	Carbon	7440-44-0				0.06	0 - 0.12		
└4	Manganese	7439-96-5				0.3	0 - 0.6		
└4	Phosphorus	7723-14-0				0.0225	0 - 0.045		
└4	Sulphur	7704-34-9				0.0225	0 - 0.045		



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-4	Iron	7439-89-6				99.595			
-2	340-WELL-101-A	36818	(not available)	1	16.939				
-3	340-WELL-001-A	35513	(not available)	1	10.272				
-4	11SMnPb30	1.0718	12630 / 2		10.272			1.1.1	No
-5	Carbon	7440-44-0				0.07	0 - 0.14		
-5	Manganese	7439-96-5				1.1	0.9 - 1.3		
-5	Phosphorus	7723-14-0				0.055	0 - 0.11		
-5	Lead	7439-92-1				0.275	0.2 - 0.35	D / P	Alloying element in steel for machining purposes or galvanised steel [1]
-5	Sulphur	7704-34-9				0.3	0.27 - 0.33		
-5	Silicon	7440-21-3				0.025	0 - 0.05		
-5	Iron	7439-89-6				98.175			
-3	238-FDSL-001-A	35232	(not available)	1	0.722				
-4	Federstahl aus 1.4310 F 1500-1700 N/mm²		105586147 / 1		0.722			1.1.2	No
-5	Iron	7439-89-6				72.91			
-5	Tin	7440-31-5				0.01			
-5	Carbon	7440-44-0				0.01			
-5	Sulphur	7704-34-9				0.01			



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└5	Silica compound ISO 1043-4, not declarable	-				0.05			
└5	Manganese	7439-98-5				3			
└5	Chromium, ion (Cr 6+)	18540-29-9				0.01		D / P	Concentration within acceptable GADSL limits [45]
└5	Chromium	7440-47-3				16			
└5	Nickel	7440-02-0				8		D	Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm2/week) [33]
└3	340-KLIN-002-A	35802	(not available)	1	0.171				
└4	DC01	1.0330	12375 / 2		0.171			1.1.1	No
└5	Carbon	7440-44-0				0.06	0 - 0.12		
└5	Manganese	7439-98-5				0.3	0 - 0.6		
└5	Phosphorus	7723-14-0				0.0225	0 - 0.045		
└5	Sulphur	7704-34-9				0.0225	0 - 0.045		
└5	Iron	7439-89-6				99.595			
└3	300-HALT-001-A	33103	(not available)	1	1.739				
└4	Sint-D30		13045260 / 2		1.739			1.1	No
└5	Iron	7439-89-6				92.55			
└5	Copper	7440-50-8				3	1 - 5	D	
└5	Carbon	7440-44-0				0.15	0 - 0.3		



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└5	Misc., not to declare	system					1 0 - 2		
└5	Nickel	7440-02-0					3 1 - 5	D	Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm2/week) [33]
└5	Molybdenum	7439-98-7					0.3 0 - 0.6		
└3	4 DIN 6799	16178	(not available)	1	1				
└4	DIN8799-8		4911071 / 1					3.3	No
└5	Zinc (metal)	7440-66-6					100 100 - 100		
└3	300-FDDR-001-B	34077	(not available)	1	0.813				
└4	Federstahldraht DIN 17223		6280488 / 1		0.8163			1.1	No
└5	Carbon	7440-44-0					0.7 0.4 - 1		
└5	Manganese	7439-96-5					0.65 0.3 - 1		
└5	Silicon	7440-21-3					0.35		
└5	Phosphorus	7723-14-0					0.035 0.03 - 0.04		
└5	Sulphur	7704-34-9					0.035 0.03 - 0.04		
└5	Copper	7440-50-8					0.16 0.12 - 0.2	D	
└5	Iron	7439-89-6					98.07		
└3	340-RTZL-008-A	35490	(not available)	1	2.222				
└4	11SMnPb30	1.0718	12630 / 2		2.222			1.1.1	No
└5	Carbon	7440-44-0					0.07 0 - 0.14		

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└5	Manganese	7439-96-5				1.1	0.9 - 1.3		
└5	Phosphorus	7723-14-0				0.055	0 - 0.11		
└5	Lead	7439-92-1				0.275	0.2 - 0.35	D / P	Alloying element in steel for machining purposes or galvanised steel [1]
└5	Sulphur	7704-34-9				0.3	0.27 - 0.33		
└5	Silicon	7440-21-3				0.025	0 - 0.05		
└5	Iron	7439-89-6				98.175			
└2	340-GHSE-001-A		(not available)	1	88.91				Not Applicable
└3	PA66-GF35FR(52)		14247982 / 4		88.91			5.1.a	No
└4	PA66	-				58	55.1 - 60.9		
└4	GF-Fibre	-				35	33.95 - 36.05		
└4	Phosphorus	7723-14-0				3	2.97 - 3.03		
└4	Further Additives, not to declare	system				4			
└2	232-ZGEL-001-A		(not available)	1	1,314				not yet answered
└3	Rilsan PA11		80926718 / 1		1,314			5.5.1	No
└4	PA11	-				100			
└2	340-GHSE-002-A	35080	(not available)	1	18,206				not yet answered
└3	PA66-GF35FR(52)		14247982 / 4		18,206			5.1.a	No
└4	PA66	-				58	55.1 - 60.9		



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-4	GF-Fibre	-				35	33.95 - 36.05		
-4	Phosphorus	7723-14-0				3	2.97 - 3.03		
-4	Further Additives, not to declare	system				4			
-2	340-GHSE-001-B		(not available)	1	99.855				Not Applicable
-3	PA66-GF35FR(52)		14247982 / 4		99.855			5.1.a	No
-4	PA66	-				58	55.1 - 60.9		
-4	GF-Fibre	-				35	33.95 - 36.05		
-4	Phosphorus	7723-14-0				3	2.97 - 3.03		
-4	Further Additives, not to declare	system				4			
-2	340-TYSH-002-B	36084	(not available)	2	0.702				
-3	Polyesterfolie silber matt		11521925 / 1		0.702			9.8	
-4	Polyester material	-				98			
-4	Acrylates	-				2			
-2	360-ANSG-002-A	30246	(not available)	2	4.142				
-3	DC01	1.0330	12375 / 2		4.142			1.1.1	No
-4	Carbon	7440-44-0				0.06	0 - 0.12		
-4	Manganese	7439-96-5				0.3	0 - 0.6		
-4	Phosphorus	7723-14-0				0.0225	0 - 0.045		
-4	Sulphur	7704-34-9				0.0225	0 - 0.045		

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└4	Iron	7439-89-6				99.595			
└2	341-ANSG-101-A		(not available)	1	4.15				
└3	341-ANSG-001-A		(not available)	1	2.8				
└4	DC01	1.0330	12375 / 2		2.8		1.1.1	No	
└5	Carbon	7440-44-0				0.06	0 - 0.12		
└5	Manganese	7439-96-5				0.3	0 - 0.6		
└5	Phosphorus	7723-14-0				0.0225	0 - 0.045		
└5	Sulphur	7704-34-9				0.0225	0 - 0.045		
└5	Iron	7439-89-6				99.595			
└3	341-ANSG-002-A		(not available)	1	0.35				
└4	Sint-D32		13045541 / 2		0.35		1.1	No	
└5	Iron	7439-89-6				93.1			
└5	Copper	7440-50-8				1.5	0 - 3	D	
└5	Carbon	7440-44-0				0.6	0.3 - 0.9		
└5	Misc., not to declare	system				1	0 - 2		
└5	Nickel	7440-02-0				2.5	0 - 5	D Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm2/week) [33]	
└5	Molybdenum	7439-98-7				1.3	0.6 - 2		
└3	M3x5 ISO 7045		(not available)	1	0.65				



Tree Level	Description Article Name Name Substance name	Part/Item No. Item / Mat. No. Material No. CAS No.	IMDS ID / Version	Quantity	Weight (g)	Portion (%)	Portion (from - to) (%)	Classif. GADSL SVHC	Parts Marking Recycle (Indust./Consumer) Application (ID)
4	16MnCr5	1.7131	13891 / 5		0.65			1.1.1	No
5	Carbon	7440-44-0				0.165	0.14 - 0.19		
5	Chromium	7440-47-3				0.95	0.8 - 1.1		
5	Manganese	7439-96-5				1.15	1 - 1.3		
5	Phosphorus	7723-14-0				0.0125	0 - 0.025		
5	Sulphur	7704-34-9				0.0175	0 - 0.035		
5	Silicon	7440-21-3				0.2	0 - 0.4		
5	Iron	7439-89-6				97.38			
5	Copper	7440-50-8				0.125	0 - 0.25	D	
3	Vierkantmutter DIN 562 M3		(not available)	1	0.35				
4	16MnCr5	1.7131	13891 / 5		0.35			1.1.1	No
5	Carbon	7440-44-0				0.165	0.14 - 0.19		
5	Chromium	7440-47-3				0.95	0.8 - 1.1		
5	Manganese	7439-96-5				1.15	1 - 1.3		
5	Phosphorus	7723-14-0				0.0125	0 - 0.025		
5	Sulphur	7704-34-9				0.0175	0 - 0.035		
5	Silicon	7440-21-3				0.2	0 - 0.4		
5	Iron	7439-89-6				97.38			
5	Copper	7440-50-8				0.125	0 - 0.25	D	



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Tree Level	Description Article Name Name Substance name	Part/Item No. Item /Mat-No Material-No CAS No.	IMDS ID / Version	Quantity	Weight [g]	Portion [%]	Portion (from - to) [%]	Classif. GADSL SVHC	Parts Marking Recyclate (Indust./Consumer) Application (ID)
└2	341-KLST-101-A		(not available)	1	38.15				
└3	16MnCr5	1.7131	13891 / 5		16.7			1.1.1	No
└4	Carbon	7440-44-0				0.165	0.14 - 0.19		
└4	Chromium	7440-47-3				0.95	0.8 - 1.1		
└4	Manganese	7439-96-5				1.15	1 - 1.3		
└4	Phosphorus	7723-14-0				0.0125	0 - 0.025		
└4	Sulphur	7704-34-9				0.0175	0 - 0.035		
└4	Silicon	7440-21-3				0.2	0 - 0.4		
└4	Iron	7439-89-6				97.38			
└4	Copper	7440-50-8				0.125	0 - 0.25	D	
└3	DC01	1.0330	12975 / 2		21.45			1.1.1	No
└4	Carbon	7440-44-0				0.06	0 - 0.12		
└4	Manganese	7439-96-5				0.3	0 - 0.6		
└4	Phosphorus	7723-14-0				0.0225	0 - 0.045		
└4	Sulphur	7704-34-9				0.0225	0 - 0.045		
└4	Iron	7439-89-6				99.595			
└2	225-SCHS-001		(not available)	1	1.3				
└3	C75S	1.1248	12896 / 2		1.3			1.1.1	No
└4	Carbon	7440-44-0				0.75	0.7 - 0.8		



Tree Level	Description Article Name Name Substance name	Part/Item No. Item / Mat. No. Material No. DAS No.	IMDS ID / Version	Quantity	Weight [g]	Portion [%]	Portion (from - to) [%]	Classif. GADSL SVHC	Parts Marking Recyclate (Indust./Consumer) Application ID
└4	Manganese	7439-96-5				0.75	0.6 - 0.9		
└4	Phosphorus	7723-14-0				0.0125	0 - 0.025		
└4	Sulphur	7704-34-9				0.0125	0 - 0.025		
└4	Silicon	7440-21-3				0.25	0.15 - 0.35		
└4	Iron	7439-89-6				97.775			
└4	Chromium	7440-47-3				0.2	0 - 0.4		
└4	Molybdenum	7439-98-7				0.05	0 - 0.1		
└4	Nickel	7440-02-0				0.2	0 - 0.4	D	Not applicable [34]
└2	300-KURB-002-B	34791	(not available)	1	7.387				not yet answered
└3	PA66-GF35FR(52)		14247982 / 4		5.37			5.1.a	No
└4	PA66	-				58	55.1 - 60.9		
└4	GF-Fibre	-				35	33.95 - 36.05		
└4	Phosphorus	7723-14-0				3	2.97 - 3.03		
└4	Further Additives, not to declare	system				4			
└3	CHROME VANADIUM STEEL	SAE 8150	4042748 / 1		2.017			1.1.2	No
└4	Carbon	7440-44-0				0.5	0.48 - 0.54		
└4	Chromium	7440-47-3				0.975	0.8 - 1.15		
└4	Manganese	7439-96-5				0.75	0.6 - 0.9		
└4	Phosphorus	7723-14-0				0.035			



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Tree Level	Description Article Name Name Substance name	Part/Item No. Item / Mat. No. Material No. CAS No.	IMDS ID / Version	Quantity	Weight (g)	Portion (%)	Portion (from - to) (%)	Classif. GADSL SVHC	Parts Marking Recyclate (Indust./Consumer) Application ID
4	Sulphur	7704-34-9				0.04			
4	Silicon	7440-21-3				0.275	0.15 - 0.4		
4	Vanadium	7440-62-2				0.15			
4	Iron	7439-89-6				97.275			

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