

Substance declaration and blacklist of Carl Zeiss AG

Leaflet 1 for CZN 5020

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Reference: CZ-Norm 5020

Available on ZeissNet:

Homepage Technical Services > Forms > Corporate Documents > Substance List

Product-related substances, mixtures and products see blue tags (d. h. Einsatz in fertigen Produkten)

[Metallic materials](#)

[Glass types, monocrystals, glass ceramics and ceramics](#)

[Plastic \(polymer\) materials](#)

[Batteries and accumulators](#)

[Adhesives \(cured\)](#)

[Coatings](#)

[Oils and lubricants](#)

[Cooling agents](#)

[Gases](#)

[Electrical and electronic components](#)

[Modules containing metal, glass, plastic, electrical/electronic components, etc.](#)

[Packaging materials](#)

Process-specific substances and mixtures see grey tags (i.e. use as raw materials, auxiliary materials and operating supplies in production processes)

[Cooling lubricants and additives](#)

[Dyes and lacquers](#)

[Oils and lubricants](#)

[Anti-corrosion agents](#)

[Cleaning agents and solvents](#)

[Polishing agents](#)

[Metal-finishing chemicals](#)

[Evaporation substances](#)

[Gases](#)

[Adhesives](#)

[Laboratory chemicals](#)

Sources:

GADSL list (Global Automotive Declarable Substances List)

ZVEI list (materials contained in products of the electronics industry)

VDA-232 list (list of declarable substances in the automotive industry; replaced with GADSL)

Additional supplier demands made to Carl Zeiss AG and its subsidiaries by our customers

Applicable substance restriction due to legal requirements

Metallic materials and semi-finished products (alloys)

[Overview](#)
[Assemblies](#)

Definition:

- Metallic materials as products to be mechanically processed.
- Metallic semi-finished materials as products to be mechanically processed

Note: The ingredients of metal alloys are considered as declared if they are listed in a national or international standard (e.g. DIN, EN, ISO, ...) or in ordering specifications agreed between Zeiss and the manufacturer and if their limit values have been defined.

Supplier data	
Name of the contact	
Department	
Email address	
Phone	
Fax	
Post code and city	
Street	

Recipient (responsible purchasing department of Carl Zeiss):	
Department	
Carl Zeiss cat. no.:	
Material ordered:	
Carl Zeiss material number (SAP):	

[Overview](#)

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material [%]	Ingredient subject to declaration (yes/no)	Legal basis	To be completed by supplier				
						Banned ingredient is contained (yes/no)	Ingredient subject to declaration is contained (yes/no)	max. weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with RoHS directive (numbers as per directive)	
Aluminum	7429-90-5			yes	EC and D: waste water legislation					
Antimony	7440-36-0			yes	EC and D: waste water legislation					
Arsenic	7440-38-2			yes	EC and D: waste water legislation					
Barium	7440-39-3			yes	EC and D: waste water legislation					
Beryllium	7440-41-7			yes	EC and D: occupational safety legislation					
Lead	7439-92-1		0.1*)	yes	EC and D: waste water legislation; EC: 1907/2006/EG; Dir. 2011/65/EC*); D: ElektroG*)					
Cadmium	7440-43-9		0.01*)	yes	EC and D: waste water legislation EC: 1907/2006/EG; Dir. 76/769/EC, Dir. 2011/65/EC*); D: ChemVerbotsV, ElektroG*)					
Chromium	7440-47-3			yes	EC and D: waste water legislation					
Cromium(VI) **)	(14977-61-8)		0.1 *)	yes	EC and D: waste water legislation; EC: 1907/2006/EG; Dir. 2011/65/EC*); D: ElektroG*)					
Cobalt	7440-48-4			yes	EC and D: waste water legislation					
Cobalt and its compounds	(7440-48-4)		0.1		EC and D: occupational safety legislation					
Iron	7439-89-6			yes	EC and D: waste water legislation					
Copper	7440-50-8			yes	EC and D: waste water legislation					
Nickel	7440-02-0			yes	EC and D: waste water legislation					
Nickel and its compounds (only with skin contact)	(7440-02-0)		0.5		EC and D: occupational safety legislation					
Mercury	7439-97-6		0.1*)	yes	EC and D: waste water legislation; EC: Dir. 2011/65/EC*); D: ElektroG*)					
Selenium	7782-49-2			yes	EC and D: waste water legislation					
Silver	7440-22-4			yes	EC and D: waste water legislation					
Zinc	7440-31-5			yes	EC and D: waste water legislation					
Tin	7440-66-6			yes	EC and D: waste water legislation					
Specification of major/minor components acc. to safety data sheet and technical standard				yes						
REACH candidate list of substances of very high concern (SVHC), latest issue acc. to clause 33 of the REACH directive			0,1*)	yes	EC: 1907/2006/EC					

**) for surface coatings

Glass types, monocrystals, glass ceramics and ceramics

[Overview](#)

[Assemblies](#)

Definition:

Glass materials in the form of bars, panes, blanks, blocks, flat glass (= glass materials as products to be mechanically processed)
 glass ceramics, monocrystals (e.g. CaF₂), ceramic materials, each as finished products to be mechanically processed

Supplier data	
Name of the contact	
Department	
Email address	
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Post code and city	
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Department	
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Material ordered:	
Carl Zeiss material number (SAP):	

[Overview](#)

To be completed by supplier

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material [%]	Ingredient subject to declaration (yes/no)	Legal basis	To be completed by supplier			
						Banned ingredient is contained (yes/no)	Ingredient subject to declaration is contained (yes/no)	max. weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with RoHS directive (numbers as per directive)
Antimony	7440-36-0			yes	EC and D: waste water legislation				
Arsenic	7440-38-2			yes	EC and D: waste water legislation				
Barium	7440-39-3			yes	EC and D: waste water legislation				
Beryllium	7440-41-7			yes	EC and D: waste water legislation				
Lead	7439-92-1		0.1*	yes	EC and D: waste water legislation; EC: 1907/2006/EG; Dir. 2011/65/EC*; D: ElektroG*				
Cadmium	7440-43-9		0.01*	yes	EC and D: waste water legislation; EC: 1907/2006/EG; Dir. 76/769/EC, Dir. 2011/65/EC*; D: ChemVerbotsV, ElektroG*				
Chromium	7440-47-3			yes	EC and D: waste water legislation				

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material	Ingredient subject to declaration [%]	Legal basis	Banned ingredient is contained (yes/no)	Ingredient subject to declaration is contained (yes/no)	max. weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with RoHS directive (numbers as per directive)
Copper	7440-50-8			yes	EC and D: waste water legislation				
Nickel	7440-02-0			yes	EC and D: waste water legislation				
Specification of major/minor components acc. to safety data sheet and technical standard				yes					
REACH candidate list of substances of very high concern (SVHC), latest issue acc. to clause 33 of the REACH directive			0.1*	yes	EC: 1907/2006/EC				

Plastic (polymer) materials

[Overview](#)
[Assemblies](#)

Definition:

- Thermoplasts
- Duroplasts
- Elastomers
- Polymeric coating materials
- Insulations (e.g. cable insulations)

Supplier data	
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Material ordered:	
Carl Zeiss material number (SAP):	

[Overview](#)

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material	Ingredient subject to declaration [%]	LECal basis	To be completed by supplier			
						Banned ingredient is contained (yes/no)	Ingredient subject to declaration is contained (yes/no)	max. weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with RoHS directive (numbers as per directive)
Acrylonitrile (as residual monomer)	107-13-1		0,0000002	yes	EC: Dir. 90/128/EC; D: BedarfsgegV				
Aniline and its salts				yes	EC: 1907/2006/EC				
Antimony trioxide	1309-64-4			yes	EC: 1907/2006/EC				
Azo compounds with carconogenic amine components				yes	EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Lead and its compounds	(7439-92-1)		0.1*)	yes	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ChemVerbotsV, ElektroG*)				
Butadiene (as residual monomer)	106-99-0		0.000002	yes	EC: Dir. 90/128/EC; D: BedarfsgegV				
Cadmium and its compounds	(7440-43-9)	x	0.01*)	yes	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material	Ingredient subject to declaration [%] LECaI basis		Banned ingredient is contained (yes/no)	Ingredient subject to declaration is contained (yes/no)	max. weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with RoHS directive (numbers as per directive)
Chlorinated compounds , e.g. polychlorinated biphenyls and triphenyls, pentachlorophenol, polychlorinated diphenyl ether	1336-36-3 und 61788-33-8	x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Chloroparaffins		x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Cr(VI) compounds	(14977-61-8)	x	0.1 *)	yes	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Methane diphenyl diisocyanate (MDI)	101-68-8			yes					
Other halogenated flame retardants				yes					
Organophosphorous compounds (flame retardant)				yes					
Formaldehyde	50-00-0		0.1	yes	EC: 1907/2006/EC; D: ChemVerbotsV				
Hexane diisocyanat / 1.6 hexamethylene diisocyanat (HDI)	822-06-0			yes	EC: 1907/2006/EC				
Hydrazine	302-01-2								
Methylacrylamidomethoxy acetate	77402-03-0			yes	EC: 1907/2006/EC				
Monomethyl-dibromo-diphenyl methane (DBBT)	99688-47-8	x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
monomethyl-dichloro-diphenyl methane (Ugilec 121 or 21)	81161-70-8	x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Monomethyltetrachlorodiphenylmethane (Ugilec 141)	76253-60-6	x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Natural and artificial mineral fibers with carcinogenic features acc. to EU classification of Chemicals Act. Category 1, 2 or 3		x		yes	EC: 1907/2006/EC				
Organotin compounds				yes	EC: 1907/2006/EC				
Phenol	108-95.2			yes	EC: 1907/2006/EC				
Phenyl-β-naphthylamine	4606-15-9	x							
Polybrominated biphenyls (PBB)			0.1 *)	yes	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Polybrominated biphenyl ether (PBDE)			0.1 *)	yes	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Mercury and its compounds	(7439-97-6)		0.1*)	yes	EC: Dir. 2011/65/EC*); D: ElektroG*)				
Styrene	100-42-5			yes	EC: 1907/2006/EC				

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material [%]	Ingredient subject to declaration (yes/no) LECal basis		Banned ingredient is contained (yes/no)	Ingredient subject to declaration is contained (yes/no)	max. weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with RoHS directive (numbers as per directive)
Tetrabrombisphenol A (TBBA)	79-94-7			yes					
2,4-Toluene diisocyanate (TDI)	584-84-9			yes					
2,6-Toluene diisocyanate(TDI)	91-08-7			yes					
Vinyl chloride (VC)	75-01-04	x			EC: Dir. 90/128/EC; D: BedarfsgegV				
Di(2-ethylhexyl)phthalate (DEHP)	117-81-7		0,1*	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*; D: ElektroG*				
Butylbenzylphthalate (BBP)	85-68-7		0,1*	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*; D: ElektroG*				
Dibutylphthalate (DBP)	84-74-2		0,1*	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*; D: ElektroG*				
Diisobutylphthalate (DIBP)	84-69-5		0,1*	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*; D: ElektroG*				
Other Plasticizers/Phthalates (like e.g. Dimethylphthalate DMP, Dioctylphthalate DOP, Diisononylphthalate DINP, etc.)				ja	EC: 1907/2006/EC				
REACH candidate list of substances of very high concern (SVHC), latest issue acc. to clause 33 of the REACH directive			0.1*	yes	EC: 1907/2006/EC				

Batteries and accumulators

[Overview](#)
[Assemblies](#)

Definition:

Batteries (primary cells) or accumulators (secondary cells) for use in instruments, vehicles and industry

Supplier data	
Name of the contact	
Department	
Email address	
Phone	
Fax	
Post code and city	
Street	

Recipient (responsible purchasing department of Carl Zeiss)	
Department	
Carl Zeiss cat. no.:	
Material ordered:	
Carl Zeiss material number (SAP):	

[Overview](#)

To be completed by supplier

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material [%]	Ingredient subject to declaration (yes/no)	Legal basis	To be completed by supplier			
						Banned ingredient is contained (yes/no)	Ingredient subject to declaration is contained (yes/no)	max weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with RoHS directive (numbers as per directive)
Mercury	7439-97-6		0.0005	yes	EU: Dir. 2006/66/EC; D: BattG				
Cadmium	7440-43-9		0.002	yes	EU: Dir. 2006/66/EC; D: BattG				
Specification of battery type and heavy metal content in batteries (e.g. Pb-accumulator, silver oxide cell, etc.)				yes	EU: Dir. 2006/66/EC; D: BattG				
REACH candidate list of substances of very high concern (SVHC), latest issue acc. to clause 33 of the REACH directive			0.1*	yes	EU: 1907/2006/EC				

Adhesives

[Overview](#)
[Assemblies](#)

Definition:
 Cured adhesives

Supplier data	
Name of the contact	
Department	
Email address	
Phone	
Fax	
Post code and city	
Street	

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Department	
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[Overview](#)

To be completed by supplier

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material	Ingredient subject to declaration (yes/no) LECal basis	To be completed by supplier				
					Banned ingredient is contained (yes/no)	Ingredient subject to declaration is contained (yes/no)	max. weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with RoHS directive (numbers as per directive)	
Lead and its compounds	(7439-92-1)		0.1*	yes EC: Dir. 2011/65/EC*), 1907/2006/EC; D: ChemVerbotsV, ElektroG*)					

Cadmium and its compounds	(7440-43-9)		0.01*)	yes	EC: Dir. 2011/65/EC*), 1907/2006/EC; D: ChemVerbotsV, ElektroG*)				
Chlorinated and brominated compounds and flame retardants, e.g. polychlorinated biphenyls and terphenyls, polybrominated biphenyls and terphenyls, polychlorinated and polybrominated diphenyl ethers			0.1 *)	yes	EC: Dir. 2011/65/EC*), 1907/2006/EC; D: ChemVerbotsV, ElektroG*)				
Cr(VI) compounds	(14977-61-8)		0.1 *)	yes	EC: Dir. 2011/65/EC*), 1907/2006/EC; D: ChemVerbotsV, ElektroG*)				
Natural and artificial mineral fibers (e.g. glass fibers, ceramic fibers)				yes	EC und D: 1907/2006/EC; worker protection laws				
Mercury and its compounds	(7439-97-6)		0.1*)	yes	EC: Dir. 2011/65/EC*), 1907/2006/EC;				
Di(2-ethylhexyl)phthalate (DEHP)	117-81-7		0,1*)	ja	EC: 1907/2006/EC; Dir.				
Butylbenzylphthalate (BBP)	85-68-7		0,1*)	ja	EC: 1907/2006/EC; Dir.				
Dibutylphthalate (DBP)	84-74-2		0,1*)	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Diisobutylphthalate (DIBP)	84-69-5		0,1*)	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Other Plasticizers/Phthalates (like e.g. Dimethylphthalate DMP, Diocetylphthalate DOP, Diisononylphthalate DINP, etc.)				ja	EC: 1907/2006/EC				

REACH candidate list of substances of very high concern (SVHC), latest issue acc. to clause 33 of the REACH directive			0.1*)	yes	EC: 1907/2006/EC				
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Coatings

[Overview](#)
[Assemblies](#)

Definition:

Coatings applied to any material, e.g. vapor deposits (PVD, CVD, etc.), galvanically applied coatings, lacquer coatings, etc.

Supplier data	
Name of the contact	
Department	
Email address	
Phone	
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Post code and city	
Street	

Recipient (responsible purchasing department of Carl Zeiss)	
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Carl Zeiss cat. no.:	
Material ordered:	
Carl Zeiss material number (SAP):	

[Overview](#)

To be completed by supplier

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material [%]	Ingredient subject to declaration (yes/no)	Legal basis	To be completed by supplier			
						Banned ingredient is contained (yes/no)	Ingredient subject to declaration is contained (yes/no)	max weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with RoHS directive (numbers as per directive)
Lead and its compounds	(7439-92-1)		0.1*	yes	EC: Dir. 2011/65/EC*, 207/2006/EC; D: ChemVerbotsV, ElektroG*				
Cadmium und seine Verbindungen	(7440-43-9)		0.01*	yes	EC: Dir. 2011/65/EC*, 1907/2006/EC; D: ElektroG*				
Polybrominated biphenyls (PBB) and polybrominated biphenyl ethers (PBDE)			0.1*	yes	EC: Dir. 2011/65/EC*, 1907/2006/EC; D: ElektroG*				
Cr(VI) compounds	(14977-61-8)		0.1*	yes	EC: Dir. 2011/65/EC*, 1907/2006/EC; D: ElektroG*				
Mercury and its compounds	(7439-97-6)		0.1*	yes	EC: Dir. 2011/65/EC*, 1907/2006/EC; D: ElektroG*				
Di(2-ethylhexyl)phthalate (DEHP)	117-81-7		0.1*	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*; D: ElektroG*				
Butylbenzylphthalate (BBP)	85-68-7		0.1*	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*; D: ElektroG*				
Dibutylphthalate (DBP)	84-74-2		0.1*	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*; D: ElektroG*				
Diisobutylphthalate (DIBP)	84-69-5		0.1*	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*; D: ElektroG*				
Other Plasticizers/Phthalates (like e.g. Dimethylphthalate DMP, Dioctylphthalate DOP, Diisononylphthalate DINP, etc.)				ja	EC: 1907/2006/EC				
REACH candidate list of substances of very high concern (SVHC), latest issue acc. to clause 33 of the REACH directive			0.1*	yes	EC: 1907/2006/EC				

Oils and lubricants

[Overview](#)
[Assemblies](#)

Definition:

- Oils and greases for lubrication

Supplier data	
Name of the contact	
Department	
Email address	
Phone	
Fax	
Post code and city	
Street	

Recipient (responsible purchasing department of Carl Zeiss):	
Department	
Carl Zeiss cat. no.:	
Material ordered:	
Carl Zeiss material number (SAP):	

[Overview](#)

To be completed by supplier

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material [%]	Ingredient subject to declaration (yes/no) Legal basis	Banned ingredient is contained (yes/no)	Ingredient subject to declaration (yes/no)	max. weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with RoHS directive (numbers as per directive)
Antidegradants on phenol and amine basis				yes				
Total content of aromatic compounds				yes				
Proportion of aromatic compounds in test oils			10	yes				
Proportion of aromatic compounds in mineral oil products			2	yes				
Barium and barium compounds related to element	(7440-39-3)		0.1	yes				
Benzotriazole and derivatives	95-14-7			yes				
Boron and boron compounds	(7440-42-8)			yes				
Lead and its compounds	(7439-92-1)	x	0.1*	EC: Dir. 76/769/EC; Dir. 2011/65/EC*); 1907/2006/EC; D: ChemVerbotsV, ElektroG*)				
Chlorine (total chlorine)	7782-50-5		0.001	yes				
Chlorinated and brominated compounds, e.g. polychlorinated biphenyls and terphenyls, pentachlorophenol, polybrominated biphenyls and terphenyls, polychlorinated and polybrominated diphenyl ethers, chlorinated paraffins		x	0.1*	EC: 1907/2006/EC; Dir. 76/769/EC; Dir. 2011/65/EG*); D: ChemVerbotsV, ElektroG*)				
Nitrosating agents (nitrites, organic nitro compounds)		x		D: TRGS611				
Polycyclic aromatic hydrocarbons (PAHs)		x		EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Sulfur-organic compounds				yes				
Sulfonates				yes				
Heavy metals (except Mo and Bi) relating to element			0.1	yes				
Dicresyl and tricresyl phosphates		x						
Zinc compounds, relating to element			0.5					
Di(2-ethylhexyl)phthalate (DEHP)	117-81-7		0.1*	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)			
Butylbenzylphthalate (BBP)	85-68-7		0.1*	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)			
Dibutylphthalate (DBP)	84-74-2		0.1*	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)			
Diisobutylphthalate (DIBP)	84-69-5		0.1*	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)			
Other Plasticizers/Phthalates (like e.g. Dimethylphthalate DMP, Dioctylphthalate DOP, Diisononylphthalate DINP, etc.)				ja	EC: 1907/2006/EC			
REACH candidate list of substances of very high concern (SVHC), latest issue acc. to clause 33 of the REACH directive			0.1*	yes	EC: 1907/2006/EC			

Cooling agents

[Overview](#)
[Assemblies](#)

Definition:

Cooling agents (as component of chiller units of machines, plants, etc.)

Supplier data	
Name of the contact	
Department	
Email address	
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[Overview](#)

To be completed by supplier

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material	Ingredient subject to declaration [%]	Legal basis	To be completed by supplier			
						Banned ingredient is contained (yes/no)	Ingredient subject to declaration is contained (yes/no)	max. weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with RoHS directive (numbers as per directive)
Specification of major/minor components acc. to safety data sheet				yes	EU and D: Occupational safety legislation				
Chlorofluorocarbons (CFCs) and other ozone-depleting substances such as listed below:		x		yes	USA: US Clean Air Act; EC: 1005/2009/EC; 517/2014/EC; D: ChemOzon-SchichtV. ChemKlimaSchutzV				
1,1,1,2-Tetrachloro-2,2-difluoroethane	76-11-9								
1,1,1-Trichloro-2,2,2-trifluoroethane	354-58-5								
1,1,2,2-Tetrachloro-1,2-difluoroethane	76-12-0								
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1								
1,1-Dichlorodifluoroethylene	79-35-6								
1,2-Dichloro-1,2-difluoroethylene	598-88-9								
1,2-Dichlorotetrafluoroethane	76-14-2								
Chloropentafluoroethane	76-15-3								
Chlorotrifluoroethylene	79-38-9								
Chlorotrifluoromethane	75-72-9								
Dichlorodifluoroethylene	27156-03-2								
Dichlorodifluoromethane	75-71-8								
Dichlorotetrafluoroethane	1320-37-2								
Ethane, 1,1-dichloro-1,2,2,2-tetrafluoro-	374-07-2								
Ethane, pentachlorofluoro-	354-56-3								
Ethane, tetrachlorodifluoro-	28605-74-5								
Trichlorofluoroethylene	359-29-5								
Trichlorofluoromethane	75-69-4								
Trichlorotrifluoroethane	26523-64-8								
REACH candidate list of substances of very high concern (SVHC), latest issue acc. to clause 33 of the REACH directive			0.1*	yes	EC: 1907/2006/EC				

Gases

[Overview](#)
[Assemblies](#)

Definition:

Technical gases and special gases as components of machines, plants, products

Supplier data	
Name of the contact	
Department	
Email address	
Phone	
Fax	
Post code and city	
Street	

Recipient (responsible purchasing department of Carl Zeiss):	
Department	
Carl Zeiss cat. no.:	
Material ordered:	
Carl Zeiss material number (SAP):	

[Overview](#)

To be completed by supplier

Substance	CAS#	Banned substances	Limit value and max. concentration in homogeneous material [%]	Ingredient subject to declaration (yes/no)	Legal basis	To be completed by supplier			
						Banned ingredient is contained (yes/no)	Ingredient subject to declaration is contained (yes/no)	max. weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with RoHS directive (numbers as per directive)
Specification of primary/secondary components acc. to safety data sheet				yes	EU and D: Occupational safety legislation				
Bromomethane	74-83-9	x		yes	USA: US Clean Air Act; EC: 1005/2009/EC; 517/2014/EC; D: ChemOzon-SchichtV. ChemKlimaSchutzV				
Fully and partially halogenated, hydrochlorofluorocarbons and brominated chlorofluorocarbons (CFS, HCFC and BCFC) and halons				yes	USA: US Clean Air Act; EC: 1005/2009/EC; 517/2014/EC; D: ChemOzon-SchichtV. ChemKlimaSchutzV				
Sulfur hexafluoride	2551-62-4			yes					
Vinyl chloride (VC)	75-01-4	x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
REACH candidate list of substances of very high concern (SVHC), latest issue acc. to clause 33 of the REACH directive			0.1*	yes	EC: 1907/2006/EC				

Electrical and electronic components

[Overview](#)
[Assemblies](#)

Definition:

- Capacitors and performance capacitors
- Resistors, transistors, thermistors, etc.
- Transformers
- Insulations (e.g. cable insulations)
- LEDs
- Metallic contacts and connections
- Solders

Supplier data	
Name of the contact	
Department	
Email address	
Phone	
Fax	
Post code and city	
Street	

Recipient (responsible purchasing department of Carl Zeiss):	
Department	
Carl Zeiss cat. no.:	
Material ordered:	
Carl Zeiss material number (SAP):	

Overview

To be completed by supplier

Substance	CAS#	Banned substances	Limit value and max. concentration in homogeneous material [%]	Ingredient subject to declaration (Yes/No)	Legal basis	Banned ingredient is contained (Yes/No)	Ingredient subject to declaration is contained (Yes/No)	Max. weight proportion refer to composition and homogeneous material [%]	Exemptions in accordance with REACH directive (numbers as per directive)
Asbestos, asbestos materials and fibers		x			EC: 1907/2006/EC, Dir. 76/769/EG, D: ChemVerbotsV				
Beryllium and its compounds	(7440-41-7)			yes	EC and D: 1907/2006/EC, Occupational safety legislation				
Lead and its compounds	(7439-92-1)		0.1*	yes	EC: 1907/2006/EC, Dir. 2011/65/EC*, D: ChemVerbotsV, ElektroG*				
Cadmium and its compounds	(7440-43-9)		0.01*	yes	EC: 1907/2006/EC, Dir. 2011/65/EC*, D: ElektroG*				
Chromium(VI)	(14977-61-6)		0.1*	yes	EC: 1907/2006/EC, Dir. 2011/65/EC*, D: ElektroG*				
Chlorinated compounds, e.g. polychlorinated biphenyls and terphenyls, pentachlorophenol, polychlorinated diphenyl ether	1336-36-3 and 61788-33-8	x			EC: 1907/2006/EC, Dir. 76/769/EC, D: ChemVerbotsV				
Dimethylformamide	68-12-2			yes	EC: 1999/137/EC, 91/689/EC				
Polybrominated biphenyls (PBB)			0.1*	yes	EC: 1907/2006/EC, Dir. 2011/65/EC*, D: ElektroG*				
Polybrominated biphenyl ether (PBDE)			0.1*	yes	EC: 1907/2006/EC, Dir. 2011/65/EC*, D: ElektroG*				
Natural and artificial mineral fibers with carcinogenic features acc. to EU classification of Chemicals Act, Category 1, 2 or 3		x			EC: 1907/2006/EC				
Monomethyl-dibromo-diphenyl methane (DBBT)		x			EC: 1907/2006/EC, Dir. 76/769/EC, D: ChemVerbotsV				
Monomethyl-dichloro-diphenyl methane (Uglic 121 or 21)	99688-47-8	x			EC: 1907/2006/EC, Dir. 76/769/EC, D: ChemVerbotsV				
Monomethyl tetrachloro-diphenyl methane (Uglic141)	76253-60-6	x			EC: 1907/2006/EC, Dir. 76/769/EC, D: ChemVerbotsV				
Mercury and its compounds	(7439-97-6)		0.1*	yes	EC: 1907/2006/EC, Dir. 2011/65/EC*, D: ElektroG*				
Polybrominated terphenyls (PBT)		x			EC: 1907/2006/EC, Dir. 76/769/EC, D: ChemVerbotsV				
Radioactive substances (concentration range, radiation type (α or β radiation) as well as the activity of radioactive elements, substances and compounds must be specified by the supplier.)				yes	EC and D: occupational safety regulations; radiation protection ordinance				
Sulfur hexafluoride	2551-62-4			yes	USA: US Clean Air Act, EC: 1005/2009/EC, 51/720/14/EC, D: ChemOzon-SchichtV, ChemKlimaSchutzV				
Selenium and its compounds	(7782-49-2)			yes					
Thallium and its compounds	(7440-28-0)			yes	EC: 1907/2006/EC				
Thorium oxide (electrode material)	1314-20-1			yes	EC and D: occupational safety regulation; radiation protection ordinance				
Di(2-ethylhexyl)phthalate (DEHP)	117-81-7		0.1*	ja	EC: 1907/2006/EC, Dir. 2011/65/EC*, D: ElektroG*				
Butylbenzylphthalate (BBP)	85-68-7		0.1*	ja	EC: 1907/2006/EC, Dir. 2011/65/EC*, D: ElektroG*				
Dibutylphthalate (DBP)	84-74-2		0.1*	ja	EC: 1907/2006/EC, Dir. 2011/65/EC*, D: ElektroG*				
Diisobutylphthalate (DIBP)	84-69-5		0.1*	ja	EC: 1907/2006/EC, Dir. 2011/65/EC*, D: ElektroG*				
Other Plasticizers/Phthalates (like e.g. Dimethylphthalate DMP, Dioctylphthalate DOP, Diisononylphthalate DINP, etc.)				ja	EC: 1907/2006/EC				
REACH candidate list of substances of very high concern (SVHC), latest issue acc. to clause 33 of the REACH directive			0.1*	yes	EC: 1907/2006/EC				

Modules containing metal, glass, plastic, electrical/electronic components, etc.

[Overview](#)

Definition:

Complete modules as products that can contain metal, glass, plastic, electrical/electronic components, etc.

Note:

For assemblies, the list below only comprises bans and the permitted limit values for homogeneous material from RoHS directive 2011/65/EC

¹⁾ For materials (metal, glass plastic), electrical/electronic components and operating supplies (e.g. oils, lubricants, adhesives) contained in the assemblies, the respective tables in section "Product-related substances, preparations and products" must be used.

Supplier data		
Name of the contact		
Department		
Email address		
Phone		
Fax		
Post code and city		
Street		

Recipient (responsible purchasing department of Carl Zeiss)		
Department		
Carl Zeiss cat. no.:		
Materials ordered:		
Carl Zeiss material number (SAP)		

[Overview](#)

To be completed by supplier

Substance	CAS#	Banned substances	Limit value and max. concentration in homogeneous material [%]	Ingredient subject to restriction (Yes/No)	Legal basis	To be completed by supplier			
						Banned ingredient is contained (yes/no)	Ingredient subject to restriction is contained (yes/no)	max. weight proportion related to composition of homogeneous material [%]	Exemptions in accordance with RoHS directive (numbers as per directive)
Lead and its compounds	(7439-92-1)		0.1*)	yes	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ChemVerbotsV, ElektroG*)				
Cadmium and its compounds	(7440-43-9)		0.01*)	yes	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ChemVerbotsV, ElektroG*)				
Chromium(VI)	(14977-61-8)		0.1 *)	yes	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ChemVerbotsV, ElektroG*)				
Polybrominated biphenyls (PBB)			0.1 *)	yes	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ChemVerbotsV, ElektroG*)				
Polybrominated biphenyl ether (PBDE)			0.1 *)	yes	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ChemVerbotsV, ElektroG*)				
Mercury and its compounds	(7439-97-6)		0.1*)	yes	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ChemVerbotsV, ElektroG*)				
Di(2-ethylhexyl)phthalate (DEHP)	117-81-7		0,1*)	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Butylbenzylphthalate (BBP)	85-68-7		0,1*)	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Dibutylphthalate (DBP)	84-74-2		0,1*)	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Diisobutylphthalate (DIBP)	84-69-5		0,1*)	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Other Plasticizers/Phthalates (like e.g. Dimethylphthalate DMP, Dioctylphthalate DOP, Diisononylphthalate DINP, etc.)				ja	EC: 1907/2006/EC				
REACH candidate list of substances of very high concern (SVHC), latest issue acc. to clause 33 of the REACH directive			0.1*)	yes	EC: 1907/2006/EC				

Ingredients contained (yes/no)	¹⁾ If ingredients are contained, please complete the respective tables
	Metallic alloys
	Glass types, monocrystals, glass ceramics, ceramics
	Plastic (polymer materials)
	Batteries and accumulators
	Adhesives (cured)
	Coatings
	Oils and lubricants
	Cooling agents
	Gases
	Electrical/electronic components

Please complete yes/no field

Comp

Packaging materials

[Overview](#)

Definition:

Packaging materials (incl. wood, paper, cardboard, paperboard containers, fillers, plastic, etc.) for business and private customers

Supplier data	
Name of the contact	
Department	
Email address	
Phone	
Fax	
Post code and city	
Street	

Recipient (responsible purchasing department of Carl Zeiss):	
Department	
Carl Zeiss cat. no.:	
Material ordered:	
Carl Zeiss material number (SAP):	

[Overview](#)

To be completed by supplier

Substance	CAS-#	Banned substances	Limit value and/or max. concentration in homogeneous material (%)	Ingredient subject to declaration (yes/no)	Legal basis	To be completed by supplier			
						Banned ingredient is contained (yes/no)	Ingredient subject to declaration is contained (yes/no)	max. weight proportion related to composition of homogeneous material (%)	Exemptions in accordance with RoHS directive (numbers as per directive)
Cumulative concentrations of Pb, Hg, Cr, Cd			0.01	yes	EC: Dir. 94/62/EC; D: VerpackV				
Arsenic and its compounds	(7440-38-2)	x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Chlorinated and brominated compounds, e.g. polychlorinated biphenyls and terphenyls, pentachlorophenol, polybrominated biphenyls and terphenyls, polychlorinated and polybrominated diphenyl ethers		x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Formaldehyde	50-00-0		0.1 ml/m ³	yes	EC: 1907/2006/EC; D: ChemVerbotsV; DIN EN ISO 14184-1:1999-02 and DIN EN				
Chlorofluorocarbons (CFCs) and other ozone-depleting substances; e.g. in foamed plastic		x		yes	USA: US Clean Air Act; EC: 1005/2009/EC; 517/2014/EC; D: ChemOzon-SchichtV. ChemKlimaSchutzV				
Hexachlorocyclohexane	58-89-9	x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Pentachlorophenol PCP	(87-86-5)	x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Phenol	108-95-2	x			EC: 1907/2006/EC				
Mercury and its compounds	(7439-97-6)	x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Tar oils, particularly Creosote, Creosote oil, distillates, coal tar, anthracene oil, tar acids, etc.		x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Harmful organisms (insects, nematodes, fungi)		x							
Di(2-ethylhexyl)phthalate (DEHP)	117-81-7		0,1*	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*; D: ElektroG*				
Butylbenzylphthalate (BBP)	85-68-7		0,1*	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*; D: ElektroG*				
Dibutylphthalate (DBP)	84-74-2		0,1*	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*; D: ElektroG*				
Diisobutylphthalate (DIBP)	84-69-5		0,1*	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*; D: ElektroG*				
Other Plasticizers/Phthalates (like e.g. Dimethylphthalate DMP, Dioctylphthalate DOP, Diisononylphthalate DINP, etc.)				ja	EC: 1907/2006/EC				
REACH candidate list of substances of very high concern (SVHC), latest issue acc. to clause 33 of the REACH directive			0,1*	yes	EC: 1907/2006/EC				

Cooling lubricants and additives

[Overview](#)

Definition:

- Water-soluble cooling lubricants
- Oils and lubricants for material processing (metals, glass types, polymers)
- Cleaning agents for cooling lubricants and system cleaners
- Anti-foaming agents
- Preserving agents
- Biocides and fungicides
- Stabilizing agents
- Additive packages
- Emulsifier systems

Supplier data	
Name of the contact	
Department	
Email address	
Phone	
Fax	
Post code and city	
Street	

Recipient (responsible purchasing department of Carl Zeiss):	
Department	
Carl Zeiss cat. no.:	
Material ordered:	
Carl Zeiss material number (SAP):	

[Overview](#)

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material	Ingredient subject to declaration [%]	Legal basis	To be completed by supplier			
						Banned ingredient is contained (Yes/no)	Ingredient subject to declaration is contained (Yes/no)	Max. weight proportion related to composition and homogeneous material	Exemptions in accordance with RoHS directive (numbers as per directive)
2 – Methyl – 2,3 – dihydroisothiazol – 3 – on	2682-20-4			yes	EC: Dir. 98/8/EC; D: BiozidG				
2 – Octyl – 3 – 2H – isothiazolon	26530-20-1			yes	EC: Dir. 98/8/EC; D: BiozidG				
5 – Chloro – 2 – methyl – 2,3 – dihydroisothiazol – 3 – on	26172-55-4			yes	EC: Dir. 98/8/EC; D: BiozidG				
Acrylate				yes					
Nitrosating agents (nitrites, organic nitro compounds)		x			D: TRGS611				

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material	Ingredient subject to declaration (Yes/no) Legal basis	Banned ingredient is contained (Yes/no)	Ingredient subject to declaration is contained (Yes/no)	Max. weight proportion related to composition homogeneous material	Exemptions in accordance with RoHS directive (numbers as per directive)
Amines, Amides and other nitrogen compounds.				yes				
Sum of secondary amines (e.g. diethanolamine, piperazine)			0.2					
Benzotriazole and derivates	95-14-7			yes				
Biocides (general)				yes	EC: Dir. 98/8/EC; D: BiozidG			
Boron and Boron compounds	(7440-42-8)			yes				
Chlorinated and brominated compounds, e.g. polychlorinated biphenyls and terphenyls, pentachlorophenol, polybrominated biphenyls and terphenyls, polychlorinated and polybrominated diphenyl ethers		x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV			
Dibenzyl disulfide	538-74-9			yes				
Ethylenediaminetetraacetic acid (EDTA) and its salts	60-00-4	x						
Anti-foaming agents				yes				
Ethylenediamine	107-15-3	x						
Formaldehyde	50-00-0	x			EC: 1907/2006/EC; Dir. 1849/2006/EC; EC: Dir. 76/769/EC; D: ChemVerbotsV			
Formaldehyde deposit substances (O-formals and N-formals)				yes	EC: Dir. 98/8/EC; D: BiozidG			
Total proportion of aromats (related to base oil)			10		EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV			
Base oil, incl. base oil viscosity				yes				
Halogen compounds for which an increased AOX content in the waste water is to be expected, e.g. 3-Iod-2-propinyl butylcarbamate				yes	EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV			
Hydracine	302-01-2	x						
Mercaptobenzotriazole				yes				
Monoethanolamine	141-43-5			yes				
Morpholine and derivates which can split morpholine	110-91-8		10 mg/L					
N – hydroxymethyl-chloracetamide				yes				
N – methylol acetamide				yes				
Natrium pyrithione	3811-73-2			yes				
Nitrilotriacetic acid (NTA) and its salts	139-13-9	x						
Organic phosphorus compounds (sum)			0.5	yes				

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material	Ingredient subject to declaration [%]	Legal basis	Banned ingredient is contained (Yes/no)	Ingredient subject to declaration is contained (Yes/no)	Max. weight proportion related to composition and homogeneous material	Exemptions in accordance with RoHS directive (numbers as per directive)
Organic sulfur compounds (sum)			0.1	yes					
Phenol and cresol derivatives				yes					
Phenols and phenol derivatives (sum)			0.1						
Phenylnaphthylamines				yes					
Polycyclic aromatic hydrocarbons (PAC, PAH)		x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Compounds containing heavy metal (Sb, Ba, Pb, Cr, Co, Ni, Hg, Th, Zn, Sn)		x							
Silicones and siloxanes		x							
Tolyltriazoles	29385-43-1			yes					
Triethanolamine	102-71-6			yes					
Tricresyl phosphate	1330-78-5	x							
REACH candidate list of substances of very high concern (SVHC), latest issue acc. to clause 33 of the REACH directive			0.1*	yes	EC: 1907/2006/EC				

Dyes and lacquers

[Overview](#)

Definition:

- Lacquers and their base materials and formula components
- Auxiliary materials in lacquers (fillers, additives, organic solvents as diluent)

Supplier data	
Name of the contact	
Department	
Email address	
Phone	
Fax	
Post code and city	
Street	

Recipient (responsible purchasing department of Carl Zeiss):	
Department	
Carl Zeiss cat. no.:	
Material ordered:	
Carl Zeiss material number (SAP):	

[Overview](#)

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material	Ingredient subject to declaration [%]	Legal basis	To be completed by supplier			
						Banned ingredient is contained (yes/no)	Ingredient subject to declaration is contained (yes/no)	max. weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with RoHS directive (numbers as per directive)
Aromatic amines and aromatic nitrogen compounds (2-naphthylamine and its salts, 4-aminobiphenyl and its salts, benzidine and its salts, 4-nitrobinphenyl)		x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Arsenic and its compounds	(7440-38-2)	x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Azo dyes which can form secondary amines				yes	EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Lead and its compounds	(7439-92-1)	x	0.1*)		EC: 1907/2006/EC; Dir. 76/769/EC; Dir. 2011/65/EC*); D: ChemVerbotsV, ElektroG*)				

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material [%]	Ingredient subject to declaration (yes/no)	Legal basis	Banned ingredient is contained (yes/no)	Ingredient subject to declaration is contained (yes/no)	max. weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with RoHS directive (numbers as per directive)
Cadmium and its compounds	(7440-43-9)	x	0.01*		EC: 1907/2006/EC; Dir. 76/769/EC; Dir. 2011/65/EC*); D: ChemVerbotsV, ElektroG*)				
Aliphatic chlorohydrocarbons (e.g. tetrachlorohydrocarbon, methylene chloride, chloroform, trichlorethane, trichloroethylene, tetrachlorethane, etc.)		x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Chlorinated and brominated compounds and flame retardants, e.g. polychlorinated biphenyls and terphenyls, polybrominated biphenyls and terphenyls, polychlorinated and polybrominated diphenyl ethers		x	0.1 *		EC: Dir. 76/769/EC, Dir. 2011/65/EC*); D: ChemVerbotsV, ElektroG*)				
Cr(VI) compounds (e.g. strontium chromate and zinc chromate)	(14977-61-8)	x	0.1 *	yes	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Hexachlorocyclohexane	58-89-9	x			EC: 1907/2006/EC; Dir. 76/769/EG; D: ChemVerbotsV				
Colophony (rosin) in resins (from 1 %)				yes					
Chlorinated cresols		x							
Used solvents (VOCs)				yes	EC: 2010/75/EC; 1999/13/EC; D: 31. BImSchV, ChemVOCFarbV				
Methylenedianiline	101-61-1	x			EC: 1907/2006/EC				
Pentachlorophenol (PCP)	(87-86-5)	x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Mercury and its compounds	(7439-97-6)	x	0.1*		EC: 1907/2006/EC; Dir. 76/769/EC; Dir. 2011/65/EC*); D: ChemVerbotsV, ElektroG*)				
Irritating and sensitizing substances (e.g. certain components of curing agents, UV lacquers, etc.)				yes					
Heavy metals and their compounds (Ni, Co, Zn, Sn)				yes	EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Toluene	108-88-3		0.1	yes	EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material	Ingredient subject to declaration [%]	Legal basis	Banned ingredient is contained (Yes/no)	Ingredient subject to declaration is contained (Yes/no)	max. weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with RoHS directive (numbers as per directive)
Vinyl chloride (VC)	75-01-4	x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Di(2-ethylhexyl)phthalate (DEHP)	117-81-7		0,1*	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Butylbenzylphthalate (BBP)	85-68-7		0,1*	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Dibutylphthalate (DBP)	84-74-2		0,1*	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Diisobutylphthalate (DIBP)	84-69-5		0,1*	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Other Plasticizers/Phthalates (like e.g. Dimethylphthalate DMP, Dioctylphthalate DOP, Diisononylphthalate DINP, etc.)				ja	EC: 1907/2006/EC				
Organotin Compounds		x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
REACH candidate list of substances of very high concern (SVHC), latest issue acc. to clause 33 of the REACH directive			0.1*	yes	EC: 1907/2006/EC				

Oils and lubricants

[Overview](#)
[Assemblies](#)

Definition:

- Oils and greases for lubrication

Supplier data	
Name of the contact	
Department	
Email address	
Phone	
Fax	
Post code and city	
Street	

Recipient (responsible purchasing department of Carl Zeiss):	
Department	
Carl Zeiss cat. no.:	
Material ordered:	
Carl Zeiss material number (SAP):	

Overview

To be completed by supplier

Substance	CAS-#	Banned substances	Limit value and concentration in homogeneous material [%]	Ingredient subject to declaration (yes/no)	Legal basis	To be completed by supplier			
						Banned ingredient is contained (yes/no)	Ingredient subject to declaration is (yes/no)	max. weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with RoHS directive (numbers as per directive)
Antidegradants on phenol and amine basis			yes						
Total content of aromatic compounds			yes						
Proportion of aromatic compounds in test oils			10	yes					
Proportion of aromatic compounds in mineral oil products			2	yes					
Barium and barium compounds related to element	(7440-39-3)		0.1	yes					
Benzotriazole and derivatives	95-14-7		yes						
Boron and boron compounds	(7440-42-8)		yes						
Lead and its compounds	(7439-92-1)	x	0.1*		EC: 1907/2006/EC; Dir. 76/769/EC; Dir. 2011/65/EC*); D: ChemVerbotsV, ElektroG*)				
Chlorine (total chlorine)	7782-50-5		0.001	yes					
Chlorinated and brominated compounds, e.g. polychlorinated biphenyls and terphenyls, pentachlorophenol, polybrominated biphenyls and terphenyls, polychlorinated and polybrominated diphenyl ethers, chlorinated paraffins		x	0.1*		EC: 1907/2006/EC; Dir. 76/769/EC; Dir. 2002/95/EG*); D: ChemVerbotsV, ElektroG*)				
Nitrosating agents (nitrites, organic nitro compounds)		x			D: TRGS611				
Polycyclic aromatic hydrocarbons (PAHs)		x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Sulfur-organic compounds			yes						
Sulfonates			yes						
Heavy metals (except Mo and Bi) relating to element			0.1	yes					
Dicresyl and tricresyl phosphates		x							
Zinc compounds, relating to element			0.5						
Di(2-ethylhexyl)phthalate (DEHP)	117-81-7		0.1*	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Butylbenzylphthalate (BBP)	85-68-7		0.1*	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Dibutylphthalate (DBP)	84-74-2		0.1*	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Diisobutylphthalate (DIBP)	84-69-5		0.1*	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Other Plasticizers/Phthalates (like e.g. Dimethylphthalate DMP, Dioctylphthalate DOP, Diisononylphthalate DINP, etc.				ja	EC: 1907/2006/EC				
REACH candidate list of substances of very high concern (SVHC), latest issue acc. to clause 33 of the REACH directive			0.1*	yes	EC: 1907/2006/EC				

Anti-corrosion agents

[Overview](#)

Defintion:

- water-soluble anti-corrosion agents
- anti-corrosion lubricants
- anti-corrosion emulsions
- anti-corrosion film-forming solutions
- VpCl's (vapor phase corrosion inhibitors)

Also applies to the following additives:

- anti-foaming agents
- preserving agents
- biocides and fungicides
- stabilizing agents
- additive packages
- emulsifier systems

Supplier data	
Name of the contact	
Department	
Email address	
Phone	
Fax	
Post code and city	
Street	

Recipient (responsible purchasing department of Carl Zeiss):	
Department	
Carl Zeiss cat. no.:	
Material ordered:	
Carl Zeiss material number (SAP):	

Overview

To be completed by supplier

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material [%]	Ingredient subject to declaration (yes/no)	Legal basis	To be completed by supplier			
						Banned ingredient is contained (yes/no)	Ingredient subject to declaration (yes/no)	max. weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with REACH directive (numbers as per directive)
Nitrosating agents (nitrites, organic nitro compounds)		x			D: TRGS611				
Amines, amides and other nitrogen compounds			yes						
Sum of secondary amines (e.g. diethanolamine, piperazine)			0.2						
Total proportion of aromatic compounds (related to base oil)			10						
Benzo(a)pyrene	50-32-8	x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Benzotriazole and derivatives	95-14-7		yes						
p-tert. butoxy benzoic acid	98-73-7	x							
p-tert. butyl benzoic acid	98-73-3	x							
Chlorinated and brominated compounds, e.g. polychlorinated biphenyls and terphenyls, pentachlorophenol, polybrominated biphenyls and terphenyls, polychlorinated and polybrominated diphenyl ethers		x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Cr(VI) compounds	(14977-61-8)	x	0.1 *	yes	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*				
Ethylenediamine	107-15-3	x							
Ethylenediaminetetraacetic acid (EDTA) and its salts	60-00-4	x							
Formaldehyde deposit substances (O-formals, N-formals)			yes		EC: Dir. 98/8/EC; D: BiozidG				
Halogen compounds for which an increased AOX content in the waste water is to be expected, e.g. 3-Iod-2-propionyl butylcarbamate			yes		EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
isothiazolinone (all derivatives)			0.01						
Polycyclic aromatic hydrocarbons (PAC, PAH)		x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Mercaptobenzothiazole			yes						
Monoethanolamine	141-43-5		yes						
Morpholine and derivatives which can split morpholine	110-91-8		10 mg/L						
Nitrilotriacetic acid (NTA) and its salts	139-13-9	x							
Phenols and phenol derivatives (sum)	(108-95-2)		0.1	yes	EC: 1907/2006/EC				
Organic phosphorus compounds (sum)			0.5	yes					
Compounds containing heavy metal (AS, Sb, Ba, Pb, Cr, Co, Ni, Hg, Th, Zn, Sn)		x							
Organic sulfur compounds (sum)			0.1	yes					
Silicones and siloxanes		x		yes					
Tolytriazole	29385-43-1		yes						
Triethanolamine	102-71-6		yes						
Tricresyl phosphate	1330-78-5	x							
Di(2-ethylhexyl)phthalate (DEHP)	117-81-7		0,1*)	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Butylbenzylphthalate (BBP)	85-68-7		0,1*)	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Dibutylphthalate (DBP)	84-74-2		0,1*)	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Diisobutylphthalate (DIBP)	84-69-5		0,1*)	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Other Plasticizers/Phthalates (like e.g. Dimethylphthalate DMP, Dioctylphthalate DOP, Diisononylphthalate DINP, etc.)				ja	EC: 1907/2006/EC				
REACH candidate list of substances of very high concern (SVHC), latest issue acc. to clause 33 of the REACH directive			0.1*)	yes	EC: 1907/2006/EC				

Cleaning agents and solvents

[Overview](#)

Definition:

- water-based cleaning agents
- organic cleaning agents/solvents
- additives to the respective cleaning agents.

Supplier data	
Name of the contact	
Department	
Email address	
Phone	
Fax	
Post code and city	
Street	

Recipient (responsible purchasing department of Carl Zeiss):	
Department	
Carl Zeiss cat. no.:	
Material ordered:	
Carl Zeiss material number (SAP):	

[Overview](#)

To be completed by supplier

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material	Ingredient subject to declaration (yes/no)	Legal basis	Banned ingredient is contained (yes/no)	Ingredient subject to declaration is contained (yes/no)	max. weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with RoHS directive (numbers as per directive)
Alkaline components (inorganic, organic)				yes					
Nitrosating agents (nitrites, organic nitro compounds)		x							
Amines, amides and other nitrogen compounds				yes					
Sum of secondary amines (e.g. monoethanolamine, diethanolamine, piperazine)			0.2						
Benzol		x							
Benzotriazole and derivates	95-14-7			yes					
Boron and Boron compounds	(7440-42-8)			yes					
p-tert. butoxy benzoic acid	98-73-7	x							
p-tert. butyl benzoic acid	98-73-3	x							
Chloride and fluoride content				yes					

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material	Ingredient subject to declaration [%]	Legal basis	Banned ingredient is contained (yes/no)	Ingredient subject to declaration is contained (yes/no)	max. weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with RoHS directive (numbers as per directive)
Chlorinated and brominated compounds, e.g. polychlorinated biphenyls and terphenyls, pentachlorophenol, polybrominated biphenyls and terphenyls, polychlorinated and polybrominated diphenyl ethers		x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Aliphatic CHCs (tetrachloromethane, 1,1,2,2-tetrachloroethane, 1,1,1,2-tetrachloroethane, pentachloroethane, chloroform, 1,1,2-trichloroethane, 1,1-dichloroethene, 1,1,1-trichloroethane, tetrachlorocarbon, methylene chloride, chloroform, trichloroethene (Tri), tetrachloroethene (Per))		x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Aromatic CHCs (e.g. 1,2,4 trichlorobenzol)		x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Aromatic and perfume substances				yes					
Ethylenediamine	107-15-3	x							
Ethylenediaminetetraacetic acid (EDTA) and ist salts	60-00-4	x							
Chlorofluorocarbons (CFCs) and other ozone depleting substances		x		yes	USA: US Clean Air Act; EC: 1005/2009/EC; 517/2014/EC; D: ChemOzon-SchichtV. ChemKlimaSchutzV				
Information on other complexing agents				yes					
Information on other solvent components (VOC)				yes	EC: 2010/75/EC; 1999/13/EC; D: 31. BImSchV				
Mercaptobenzotriazole				yes					
Monoethanolamine	141-43-5			yes					
Morpholine and derivates that can split off morpholine	110-91-8		10 mg/L						
Nitrilotriacetic acid (NTA) and ist salts	139-13-9	x							
Nonylphenol and nonylphenol ethoxylates	25154-52-3	x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Phenol	108-95.2	x			EC: 1907/2006/EC				
O and C-substituting phenols				yes					
Phophorus compounds				yes					

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material	Ingredient subject to declaration [%]	Legal basis	Banned ingredient is contained (yes/no)	Ingredient subject to declaration is contained (yes/no)	max. weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with RoHS directive (numbers as per directive)
Plasticizers/Phthalates (Dibutyl phthalate DBP, butyl benzyl phthalate BBP, dimethyl phthalate DMP, Di-(2-ethyl)-hexyl phthalate DEHP, dioctyl phthalate DOP, diisononyl phthalate DINP etc.)				yes					
Acid components (inorganic, organic)				yes					
Sulfur compounds				yes					
Compounds containing heavy metals (Sb, Ba, Pb, Cr, Co, Ni, Hg, Th, Zn, Sn)		x							
Silicones and siloxanes		x		yes					
Anionic tensides				yes					
Non-ionic tensides				yes					
Tolytriazole	29385-43-1			yes					
Triethanolamine	102-71-6			yes					
Perfluorooctane sulfonates (PFOS)	(335-67-1)	x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
REACH candidate list of substances of very high concern (SVHC), latest issue acc. to clause 33 of the REACH directive			0.1*	yes	EC: 1907/2006/EC				

Polishing agents

[Overview](#)

Definition:

- Polishing agents as solids or suspension system for polishing metallic materials, glass and ceramics
- Polishing aids

Supplier data	
Name of the contact	
Department	
Email address	
Phone	
Fax	
Post code and city	
Street	

Recipient (responsible purchasing department of Carl Zeiss):	
Department	
Carl Zeiss cat. no.:	
Material ordered:	
Carl Zeiss material number (SAP):	

[Overview](#)

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material	Ingredient subject to declaration (yes/no)	Legal basis	To be completed by supplier			
						Banned ingredient is contained (yes/no)	Ingredient subject to declaration is contained (yes/no)	max. weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with RoHS directive (numbers as per directive)
Antimony and its compounds	(7440-36-0)			yes	EU and D: waste water legislation				
AOX (adsorbable organic halogen compounds)				yes	EU and D: waste water legislation				
Arsenic and its compounds	(7440-38-2)			yes	EU and D: waste water legislation				
Barium and its compounds	(7440-39-3)			yes	EU and D: waste water legislation				
Lead and its compounds	(7439-92-1)			yes	EU and D: waste water legislation				
Cadmium and its compound	(7440-43-9)			yes	EU and D: waste water legislation				
Chromium and its compounds	(7440-47-3)			yes	EU and D: waste water legislation				
Fluoride	(7681-49-4)			yes	EU and D: waste water legislation				
Complexing agents (e.g. EDTA, NTA)				yes	EU and D: waste water legislation				
Copper and its compounds	7440-50-8			yes	EU and D: waste water legislation				
Nickel and its compounds	7440-02-0			yes	EU and D: waste water legislation				
Contents of rare earth oxides (e.g. CeO ₂ , La ₂ O ₃)				yes	EU and D: waste water legislation				
Silver and its compounds	(7440-22-4)			yes	EU and D: waste water legislation				
Sulfate				yes	EU and D: waste water legislation				
Zinc and its compounds	(7440-66-6)			yes	EU and D: waste water legislation				
Specification of the main component of the polishing agent, in connection with the dust limit value, if required				yes	EU and D: occupational safety legislation				
The concentration range, the radiation type (α and β radiation) and the radiation activity or radioactive elements, substances and compounds contained in polishing agents must be specified by the supplier.				yes	EU und D: occupational safety legislation; radiation protection ordinance				
REACH candidate list of substances of very high concern (SVHC), latest issue acc. to clause 33 of the REACH directive			0.1*	yes	EC: 1907/2006/EC				

Metal finishing chemicals

[Overview](#)

Definition:

- Substances and preparations for metal finishing processes

Supplier data	
Name of the contact	
Department	
Email address	
Phone	
Fax	
Post code and city	
Street	

Recipient (responsible purchasing department of Carl Zeiss):	
Department	
Carl Zeiss cat. no.:	
Material ordered:	
Carl Zeiss material number (SAP):	

Overview

Vom Lieferanten auszufüllen

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material [%]	Ingredient subject to declaration (yes/no)	Legal basis	Vom Lieferanten auszufüllen				
						Banned (no contained) (yes/no)	Ingredient subject to declaration (yes/no)	max. weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with REACH directive (numbers as per directive)	
Alkaline components (inorganic, organic)				yes	EC and D: waste water legislation					
Aluminum and its compounds	(7429-90-5)			yes	EC and D: waste water legislation					
AOX (adsorbable organic halogen compounds)				yes	EC and D: waste water legislation					
Arsenic and its compounds	(7440-38-2)			yes	EC and D: waste water legislation					
Barium and its compounds	(7440-39-3)			yes	EC and D: waste water legislation					
Lead and its compounds	(7439-92-1)		0,1*	yes	EC and D: waste water legislation; EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)					
Cadmium and its compounds	(7440-43-9)		0,01*	yes	EC and D: waste water legislation; EC: 1907/2006/EC; Dir. 76/769/EC; Dir. 2011/65/EC*); D: ChemVerbotsV, ElektroG*)					
Free chlorine	(7647-14-5)									
Chromium	(7440-47-3)			yes	EC and D: waste water legislation					
Cr(VI)	(14977-61-8)		0,1 *	yes	EC and D: waste water legislation; EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)					
Cobalt and its compounds	(7440-48-4)			yes	EC and D: waste water legislation					
Cyanide, easily purgeable	(143-33-9)			yes	EC and D: waste water legislation					
Iron and its compounds	(7439-89-6)			yes	EC and D: waste water legislation					
Fluoride	(7681-49-4)			yes	EC and D: waste water legislation					
Hydrocarbons (HC)				yes	EC and D: waste water legislation					
Complexing agents (hard, e.g. EDTA, NTA)		x			EC and D: waste water legislation					
Complexing agents (other, except EDTA, NTA)				yes	EC and D: waste water legislation					
Copper and its compounds	(7440-50-8)			yes	EC and D: waste water legislation					
Nickel and its compounds	(7440-02-0)			yes	EC and D: waste water legislation					
Perfluorooctane sulfonate (PFOS)	(335-67-1)	x		yes	EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV					
Phosphorus and its compounds	(7723-14-0)			yes						
Mercury and its compounds	(7439-97-6)		0,1*	yes	EC and D: waste water legislation; EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)					
Acid components (inorganic, organic)				yes	EC and D: waste water legislation					
Selenium and its compounds	(7782-49-2)			yes	EC and D: waste water legislation					
Silver and its compounds	(7440-22-4)			yes	EC and D: waste water legislation					
Nitrogen (from ammonium compounds)	(12125-02-9)			yes	EC and D: waste water legislation					
Nitrogen (from nitrite)				yes	EC and D: waste water legislation					
Sulfide				yes	EC and D: waste water legislation					
Tin and its compounds	(7440-31-5)			yes	EC and D: waste water legislation; EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV					
Zinc and its compounds	(7440-66-6)			yes	EC and D: waste water legislation					
REACH candidate list of substances of very high concern (SVHC), latest issue acc. to clause 33 of the REACH directive			0,1*	yes	EC: 1907/2006/EC					

Evaporation substances

[Overview](#)

Definition:

Evaporated materials (AR coatings, HR coatings)

Supplier data	
Name of the contact	
Department	
Email address	
Phone	
Fax	
Post code and city	
Street	

Recipient (responsible purchasing department of Carl Zeiss):	
Department	
Carl Zeiss cat. no.:	
Material ordered:	
Carl Zeiss material number (SAP):	

[Overview](#)

To be completed by supplier

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material	Ingredient subject to declaration [yes/no]	Legal basis	To be completed by supplier			
						Banned ingredient is contained (yes/no)	Ingredient subject to declaration is contained (yes/no)	max. weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with RoHS directive (numbers as per directive)
The concentration range, the radiation type (α and β radiation) and the radiation activity or radioactive elements, substances and compounds contained in evaporation substances (e.g. ThF ₄) must be specified by the supplier.				yes	EU and D: occupational safety legislation; radiation protection ordinance				
Specification of the primary and secondary components in accordance with the safety data sheet.				yes	EU and D: occupational safety legislation				
REACH candidate list of substances of very high concern (SVHC), latest issue acc. to clause 33 of the REACH directive			0,1*)	yes	EC: 1907/2006/EC				

Gases

[Overview](#)
[Assemblies](#)

Definition:

Technical gases and special gases as components of machines, plants, products

Supplier data	
Name of the contact	
Department	
Email address	
Phone	
Fax	
Post code and city	
Street	

Recipient (responsible purchasing department of Carl Zeiss):	
Department	
Carl Zeiss cat. no.:	
Material ordered:	
Carl Zeiss material number (SAP):	

[Overview](#)

To be completed by supplier

Substance	CAS#	Banned substances	Limit value and max. concentration in homogeneous material [%]	Ingredient subject to declaration (yes/no)	Legal basis	To be completed by supplier			
						Banned ingredient is contained (yes/no)	Ingredient subject to declaration is contained (yes/no)	Max. weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with REHS directive (numbers as per directive)
Specification of primary/secondary components acc. to safety data sheet				yes	EC and D: Occupational safety legislation				
Bromomethane	74-83-9	x		yes	USA: US Clean Air Act; EC: 1005/2009/EG; 517/2014/EG; D: ChemOzon-SchichtV. ChemKlimaSchutzV				
Fully and partially halogenated, hydrochlorofluorocarbons and brominated chlorofluorocarbons (CFS, HCFC and BCFC) and halons				yes	USA: US Clean Air Act; EC: 1005/2009/EG; 517/2014/EG; D: ChemOzon-SchichtV. ChemKlimaSchutzV				
Sulfur hexafluoride	2551-62-4			yes	USA: US Clean Air Act; EC: 1005/2009/EG; 517/2014/EG; D: ChemOzon-SchichtV. ChemKlimaSchutzV				
Vinyl chloride (VC)	75-01-4	x			EC: 1907/2006/EC; Dir. 76/769/EG; D: ChemVerbotsV				
REACH candidate list of substances of very high concern (SVHC), latest issue acc. to clause 33 of the REACH directive			0.1*	yes	EC: 1907/2006/EC				

Adhesives

[Overview](#)

Definition:

One- and multi-component adhesives and adhesion systems , incl. UV-curing adhesives

Supplier data	
Name of the contact	
Department	
Email address	
Phone	
Fax	
Post code and city	
Street	

Recipient (responsible purchasing department of Carl Zeiss):	
Department	
Carl Zeiss cat. no.:	
Material ordered:	
Carl Zeiss material number (SAP):	

[Overview](#)

To be completed by supplier

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material	Ingredient subject to declaration [%]	Legal basis	Banned ingredient is contained (yes/no)	Ingredient subject to declaration is contained (yes/no)	max. weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with RoHS directive (numbers as per directive)
Specification of primary/secondary components in accordance with safety data sheet				yes	EC and D: occupational safety legislation				
Benzol	71-43-2	x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Bisphenol A epoxy resins	25068-38-6			yes					

Lead and its compounds	(7439-92-1)	x	0.1*		EC: 1907/2006/EC; Dir. 76/769/EC; Dir. 2011/65/EC*); D: ChemVerbotsV, ElektroG*)				
Cadmium and its compounds	(7440-43-9)	x	0.01*		EC: 1907/2006/EC; Dir. 76/769/EC; Dir. 2011/65/EC*); D: ChemVerbotsV, ElektroG*)				
Aliphatic chlorinated hydrocarbons (e.g. carbon tetrachloride, methylene chloride, chloroform, trichloroethane, trichloroethene, tetrachlorethane etc.		x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Chlorinated and brominated compounds and flame retardants, e.g. polychlorinated biphenyls and terphenyls, polybrominated biphenyls and terphenyls, polychlorinated and polybrominated diphenyl ethers		x	0.1 *)		EC: 1907/2006/EC; Dir.76/769/EC, Dir. 2011/65/EC*); D: ChemVerbotsV, ElektroG*)				
Cr(VI) compounds	(14977-61-8)	x	0.1 *)	yes	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Colophonium in resins (from 1 %)				yes					
Used solvents (VOCs)				yes	EC: 1999/13/EC; D: 31. BlmSchV, ChemVOCFarbV				
Natural and artificial mineral fibers (e.g. glass fibers, ceramic fibers)				yes					
Phenol	108-95-2			yes					
Mercury and its compounds	(7439-97-6)	x	0.1*		EC: Dir. 76/769/EC; Dir. 2011/65/EC*); D: ChemVerbotsV,				
Irritating and sensitizing substances (e.g. certain components of curing agents, UV-lacquers, etc.)				yes					
Styrene	98-83-9			yes	EC: 1907/2006/EC				
Toluene	108-88-3		0.1	yes	EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Vinyl chloride (VC)	75-01-4	x			EC: 1907/2006/EC; Dir. 76/769/EC; D: ChemVerbotsV				
Di(2-ethylhexyl)phthalate (DEHP)	117-81-7		0,1*)	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				

Butylbenzylphthalate (BBP)	85-68-7		0,1*)	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Dibutylphthalate (DBP)	84-74-2		0,1*)	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Diisobutylphthalate (DIBP)	84-69-5		0,1*)	ja	EC: 1907/2006/EC; Dir. 2011/65/EC*); D: ElektroG*)				
Other Plasticizers/Phthalates (like e.g. Dimethylphthalate DMP, Diethylphthalate DEP, Diisononylphthalate DINP etc.)				ja	EC: 1907/2006/EC				
Organic tin compounds		x			EC: Dir. 76/769/EC; D: ChemVerbotsV				
REACH candidate list of substances of very high concern (SVHC), latest issue acc. to clause 33 of the REACH directive			0.1*)	yes	EC: 1907/2006/EC				

Laboratory chemicals

[Overview](#)

Definition:

Inorganic and organic laboratory chemicals in the form of substances and mixtures

Supplier data	
Name of the contact	
Department	
Email address	
Phone	
Fax	
Post code and city	
Street	

Recipient (responsible purchasing department of Carl Zeiss)	
Department	
Carl Zeiss cat. no.:	
Material ordered:	
Carl Zeiss material number (SAP):	

[Overview](#)

To be completed by supplier

Substance	CAS-#	Banned substances	Limit value and max. concentration in homogeneous material	Ingredient subject to declaration (yes/no)	Legal basis	To be completed by supplier			
						Banned ingredient is contained (yes/no)	Ingredient subject to declaration is contained (yes/no)	max weight proportion related to composition and homogeneous material [%]	Exemptions in accordance with RoHS directive (numbers as per directive)
Specification of primary/secondary components in accordance with the safety data sheet			yes	EU and D: occupational and safety legislation					
REACH candidate list of substances of very high concern (SVHC), latest issue acc. to clause 33 of the REACH directive		0.1*	yes	EC: 1907/2006/EC					