



Thermoplaste und Elastomere

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Restricted Substances List

Having regard to Regulation (EC) No 1907/2006¹, we would like to inform you that for the production of the compounds

Badamid A70, Badamid B70, Badamid A80, Badamid B80, Badamid B90, Badamid C70, Badamid T70,
Badamid LA70, Badamid LB70, Badamid LC70,
Badamid 10T, Badamid 12, Badamid 612, Badamid 46,
Badadur PBT,
Badaflex TPE-S
Badalac ABS
Badaprop PP, PPH,
Badaprene TPV
Badalac PC

none of the following substances are used intentionally.

I.A. Monique Brinster
Bada AG
Laboratory Manager

1 VERORDNUNG (EG) Nr. 1907/2006 DES EUROPÄISCHEN PARLAMENTS UND DES RATES vom 18. Dezember 2006 zur Registrierung, Bewertung, Zulassung und Beschränkung chemischer Stoffe (REACH), zur Schaffung einer Europäischen Agentur für chemische Stoffe, zur Änderung der Richtlinie 1999/45/EG und zur Aufhebung der Verordnung (EWG) Nr. 793/93 des Rates, der Verordnung (EG) Nr. 1488/94 der Kommission, der Richtlinie 76/769/EWG des Rates sowie der Richtlinien 91/155/EWG, 93/67/EWG, 93/105/EG und 2000/21/EG der Kommission

Die hier enthaltenen Informationen wurden sorgfältig ermittelt und entsprechen dem zur Ausstellung aktuellen Kenntnisstand der Bada AG. Die entbinden den Anwender jedoch nicht von eigenen, aussagekräftigen Tests zur Überprüfung der Eignung für den geplanten Einsatzzweck.

SUBSTANCE	CAS-N°	DOSING
α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	6786-83-0	< 0.1% (w/w)
N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	< 0.1% (w/w)
1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β -TGIC)	59653-74-6	< 0.1% (w/w)
Diboron trioxide	1303-86-2	< 0.1% (w/w)
1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	< 0.1% (w/w)
4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	561-41-1	< 0.1% (w/w)
Lead(II) bis(methanesulfonate)	17570-76-2	< 0.1% (w/w)
Formamide	75-12-7	< 0.1% (w/w)
[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	548-62-9	< 0.1% (w/w)
1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	< 0.1% (w/w)
[4-[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	2580-56-5	< 0.1% (w/w)
1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	< 0.1% (w/w)
4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	< 0.1% (w/w)
4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	< 0.1% (w/w)
N,N-dimethylacetamide	127-19-5	< 0.1% (w/w)
Phenolphthalein	77-09-8	< 0.1% (w/w)
Lead diazide, Lead azide	13424-46-9	< 0.1% (w/w)
Lead dipicrate	6477-64-1	< 0.1% (w/w)
1,2-dichloroethane	107-06-2	< 0.1% (w/w)
Calcium arsenate	7778-44-1	< 0.1% (w/w)
Dichromium tris(chromate)	24613-89-6	< 0.1% (w/w)
2-Methoxyaniline; o-Anisidine	90-04-0	< 0.1% (w/w)
Pentazine chromate octahydroxide	49663-84-5	< 0.1% (w/w)
Arsenic acid	7778-39-4	< 0.1% (w/w)
Potassium hydroxyoctaoxidizincatedichromate	11103-86-9	< 0.1% (w/w)
Formaldehyde, oligomeric reaction products with aniline	25214-70-4	< 0.1% (w/w)
Lead styphnate	15245-44-0	< 0.1% (w/w)
Trilead diarsenate	3687-31-8	< 0.1% (w/w)
Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of labelling and packaging of substances and the Council of 16 December 2008 on classification, mixtures, and fulfil the three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (μm). c) alkaline oxide and alkali earth oxide ($\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$) content less or equal to 18% by weight	/	< 0.1% (w/w)
Bis(2-methoxyethyl) phthalate	117-82-8	< 0.1% (w/w)
Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the three following conditions: a) oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (μm) c) alkaline oxide and alkali earth oxide ($\text{Na}_2\text{O}+\text{K}_2\text{O}+\text{CaO}+\text{MgO}+\text{BaO}$) content less or equal to 18% by weight	/	< 0.1% (w/w)
Bis(2-methoxyethyl) ether	111-96-6	< 0.1% (w/w)
2,2'-dichloro-4,4'-methylenedianiline	101-14-4	< 0.1% (w/w)
Cobalt dichloride	7646-79-9	< 0.1% (w/w)
1,2-Benzenedicarboxylic acid, di-C6-8-branched alkylesters, C7-rich	71888-89-6	< 0.1% (w/w)
1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	< 0.1% (w/w)
Strontium chromate	7789-06-2	< 0.1% (w/w)
1-Methyl-2-pyrrolidone	872-50-4	< 0.1% (w/w)
1,2,3-Trichloropropane	96-18-4	< 0.1% (w/w)
2-Ethoxyethyl acetate	111-15-9	< 0.1% (w/w)
Hydrazine	302-01-2, 7803-57-8	< 0.1% (w/w)
Cobalt(II) diacetate	71-48-7	< 0.1% (w/w)
Cobalt(II) sulphate	10124-43-3	< 0.1% (w/w)
2-Ethoxyethanol	110-80-5	< 0.1% (w/w)
Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid.	7738-94-5, 13530-68-2	< 0.1% (w/w)
2-Methoxyethanol	109-86-4	< 0.1% (w/w)
Chromium trioxide	1333-82-0	< 0.1% (w/w)
Cobalt(II) carbonate	513-79-1	< 0.1% (w/w)
Cobalt(II) dinitrate	10141-05-6	< 0.1% (w/w)
Trichloroethylene	79-01-6	< 0.1% (w/w)
Potassium dichromate	7778-50-9	< 0.1% (w/w)
Tetraboron disodium heptaoxide, hydrate	12267-73-1	< 0.1% (w/w)

SUBSTANCE	CAS-N°	DOSING
Ammonium dichromate	7789-09-5	< 0.1% (w/w)
Boric acid	10043-35-3, 11113-50-1	< 0.1% (w/w)
Sodium chromate	7775-11-3	< 0.1% (w/w)
Disodium tetraborate, anhydrous	1303-96-4, 1330-43-4, 12179-04-3	< 0.1% (w/w)
Potassium chromate	7789-00-6	< 0.1% (w/w)
Acrylamide	79-06-1	< 0.1% (w/w)
Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	< 0.1% (w/w)
Lead chromate molybdate sulphate red (C.I. Pigment Red 104)	12656-85-8	< 0.1% (w/w)
Anthracene oil	90640-80-5	< 0.1% (w/w)
2,4-Dinitrotoluene	121-14-2	< 0.1% (w/w)
Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	< 0.1% (w/w)
Anthracene oil, anthracene-low	90640-82-7	< 0.1% (w/w)
Tris(2-chloroethyl)phosphate	115-96-8	< 0.1% (w/w)
Diisobutyl phthalate	84-69-5	< 0.1% (w/w)
Lead chromate	7758-97-6	< 0.1% (w/w)
Anthracene oil, anthracene paste	90640-81-6	< 0.1% (w/w)
Pitch, coal tar, high temp.	65996-93-2	< 0.1% (w/w)
Anthracene oil, anthracene paste, distn. lights	91995-17-4	< 0.1% (w/w)
Lead hydrogen arsenate	7784-40-9	< 0.1% (w/w)
Benzyl butyl phthalate (BBP)	85-68-7	< 0.1% (w/w)
Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	< 0.1% (w/w)
5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	< 0.1% (w/w)
Diarsenic trioxide	1327-53-3	< 0.1% (w/w)
Bis(tributyltin)oxide (TBTO)	56-35-9	< 0.1% (w/w)
Triethyl arsenate	15606-95-8	< 0.1% (w/w)
Diarsenic pentaoxide	1303-28-2	< 0.1% (w/w)
Sodium dichromate	7789-12-0, 10588-01-9	< 0.1% (w/w)
Dibutylphthalate (DBP)	84-74-2	< 0.1% (w/w)
4,4'- Diaminodiphenylmethane (MDA)	101-77-9	< 0.1% (w/w)
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	< 0.1% (w/w)
Anthracene	120-12-7	< 0.1% (w/w)
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha- hexabromocyclododecane Beta- hexabromocyclododecane Gamma-hexabromocyclododecane	25637-99-4, 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	< 0.1% (w/w)
Pyrochlore, antimony lead yellow	8012-0-8	< 0.1% (w/w)
6-methoxy-m-toluidine (p-cresidine)	120-71-8	< 0.1% (w/w)
Henicosfluoroundecanoic acid	2058-94-8	< 0.1% (w/w)
Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	< 0.1% (w/w)
Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]	85-42-7, 1 3149-00-3, 14166-21-3	< 0.1% (w/w)
Dibutylphthalate (DBP)	84-74-2	< 0.1% (w/w)
Lead bis(tetrafluoroborate)	13814-96-5	< 0.1% (w/w)
Lead dinitrate	10099-74-8	< 0.1% (w/w)
Silicic acid, lead salt	11120-22-2	< 0.1% (w/w)
4-Aminoazobenzene	60-09-3	< 0.1% (w/w)
Lead titanium zirconium oxide	12626-81-2	< 0.1% (w/w)
Lead monoxide (lead oxide)	1317-36-8	< 0.1% (w/w)
o-Toluidine	95-53-4	< 0.1% (w/w)
3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	< 0.1% (w/w)
Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD)]; the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]	68784-75-8	< 0.1% (w/w)
Trilead bis(carbonate)dihydroxide	1319-46-6	< 0.1% (w/w)
Furan	110-00-9	< 0.1% (w/w)
N,N-dimethylformamide	68-12-2	< 0.1% (w/w)
4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	/	< 0.1% (w/w)
4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	/	< 0.1% (w/w)

SUBSTANCE	CAS-N°	DOSING
4,4'-methylenedi-o-toluidine	838-88-0	< 0.1% (w/w)
Diethyl sulphate	64-67-5	< 0.1% (w/w)
Dimethyl sulphate	77-78-1	< 0.1% (w/w)
Lead oxide sulfate	12036-76-9	< 0.1% (w/w)
Lead titanium trioxide	12060-00-3	< 0.1% (w/w)
Acetic acid, lead salt, basic	51404-69-4	< 0.1% (w/w)
[Phthalato(2-)]dioxotrilead	69011-06-9	< 0.1% (w/w)
Bis(pentabromophenyl)ether(decabromodiphenylether;DecaBDE)	1163-19-5	< 0.1% (w/w)
N-methylacetamide	79-16-3	< 0.1% (w/w)
Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	< 0.1% (w/w)
1,2-Diethoxyethane	629-14-1	< 0.1% (w/w)
Tetralead trioxide sulphate	12202-17-4	< 0.1% (w/w)
N-pentyl-isopentylphthalate	776297-69-9	< 0.1% (w/w)
Dioxobis(stearato)trilead	12578-12-0	< 0.1% (w/w)
Tetraethyllead	78-00-2	< 0.1% (w/w)
Pentalead tetraoxide sulphate	12065-90-6	< 0.1% (w/w)
Pentacosfluorotridecanoic acid	72629-94-8	< 0.1% (w/w)
Tricosfluorododecanoic acid	307-55-1	< 0.1% (w/w)
Heptacosfluorotetradecanoic acid	376-06-7	< 0.1% (w/w)
1-bromopropane (n-propyl bromide)	106-94-5	< 0.1% (w/w)
Methoxyacetic acid	625-45-6	< 0.1% (w/w)
4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	< 0.1% (w/w)
Methyloxirane (Propylene oxide)	75-56-9	< 0.1% (w/w)
Trilead dioxide phosphonate	12141-20-7	< 0.1% (w/w)
o-aminoazotoluene	97-56-3	< 0.1% (w/w)
1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	< 0.1% (w/w)
4,4'-oxydianiline and its salts	101-80-4	< 0.1% (w/w)
Orange lead (lead tetroxide)	1314-41-6	< 0.1% (w/w)
Biphenyl-4-ylamine	92-67-1	< 0.1% (w/w)
Diisopentylphthalate	605-50-5	< 0.1% (w/w)
Fatty acids, C16-18, lead salts	91031-62-8	< 0.1% (w/w)
Diazene-1,2-dicarboxamide (C, C'-azodi (formamide))	123-77-3	< 0.1% (w/w)
1,3-propanesultone	1120-71-4	< 0.1% (w/w)
Sulfurous acid, lead salt, dibasic	62229-08-7	< 0.1% (w/w)
Lead cyanamidate	2083	< 0.1% (w/w)
Cadmium	7440-43-9	< 0.1% (w/w)
Cadmium oxide	1306-19-0	< 0.1% (w/w)
Ammoniumpentadecafluorooctanoate (APFO)	3825-26-1	< 0.1% (w/w)
Pentadecafluorooctanoic acid (PFOA)	335-67-1	< 0.1% (w/w)
Dipentyl phthalate (DPP)	131-18-0	< 0.1% (w/w)
4-Nonylphenol, branched and linear, ethoxylad (substances with linear and/or branched alkyl chain with a carbon of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of individual isomers and/or combinations thereof)	/	< 0.1% (w/w)
Cadmium sulphide	1306-23-6	< 0.1% (w/w)
Disodium 4-amino-3-[[4'-(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	< 0.1% (w/w)
Dihexyl phthalate	84-75-3	< 0.1% (w/w)
Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	< 0.1% (w/w)
Trixylyl phosphate	25155-23-1	< 0.1% (w/w)
Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) C.I. Direct Red 28	573-58-0	< 0.1% (w/w)
1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	< 0.1% (w/w)
Sodium perborate; perboric acid, sodium salt	-	< 0.1% (w/w)
Sodium peroxometaborate	7632-04-4	< 0.1% (w/w)
Cadmium chloride	10108-64-2	< 0.1% (w/w)
Cadmium sulphate	10124-36-4 31119-53-6	< 0.1% (w/w)
Cadmium fluoride	7790-79-6	< 0.1% (w/w)
Lead di(acetate)	301-04-2	< 0.1% (w/w)
2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	< 0.1% (w/w)
reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	-	< 0.1% (w/w)
2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	< 0.1% (w/w)
5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual stereoisomers of [1] and [2] or any combination thereof]	-	< 0.1% (w/w)
1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5 68648-93-1	< 0.1% (w/w)
2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	< 0.1% (w/w)



SUBSTANCE	CAS-N°	
2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	< 0.1% (w/w)
Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	< 0.1% (w/w)
Nitrobenzene	98-95-3	< 0.1% (w/w)
2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	< 0.1% (w/w)

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