



ARMADILLO

HEAVY DUTY SURFACE PROTECTION

HEAVY-DUTY SURFACE
PROTECTION THAT WILL
ENSURE YOUR SURFACE
WILL REMAIN SECURED

TECHNICAL FILE

Product Name: ARMADILLO

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TECHNICAL FILE CONTENT

1. General description of the product	3
2. Drawings/Photos /Brochure	5
3. User Instructions and Warnings.....	7
4. Technical Data Sheet.....	12
5. Manufacturing Instructions for serial production	15
6. Marking on Product	17
7. Declaration of environmental contribution.....	19
8. Certificates and Test Reports.....	21



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1. General description of the product



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"ARMADILLO" – Floor protection sheets

Protection sheet for tiled or polished surfaces, to be used in stage of building completion, finishing and renovation works.

ARMADILLO protects tiles, parquets, marble, smooth concrete, epoxy sealer etc.

ARMADILLO is made of 100% recycled materials.

The sheet is composed of two-layers:

1. Strong and flexible polyethylene waterproof sheet in 0.7mm thickness.
2. 200 gsm non-woven fabric for absorbing and softening impacts of moving, dragging and falling objects.



PRODUCT FEATURES

Waterproofing
Flexibility
Structural strength
High resistance
Low adhesion
Easy to apply
Easy to clean
Low permeability to chemicals
Can be cut and / or folded easily
100% recycled

TECHNICAL SPECIFICATIONS:

Sheet :

Material: PE

Chemical formula: (C₂H₄)_n

CAS No.: 9010-79-1

Description: Recycled PE sheet, may contain traces of other material

Laminated non-woven fabric :

Material: Recycled PET fabric, may contain traces of other material

Chemical formula: (C₁₀H₈O₄)_n

CAS No.: 25038-59-9

REGULATORY COMPLIANCE:

Protective Sheets complies with the following directives, standards and regulations:

REACH Directive*

* REACH Compliance is evidenced by written declaration from our suppliers; assuring that any potential trace contamination levels of these listed substances are below the maximums set forth in the EU Directives.



ARMADILLO

HEAVY DUTY SURFACE PROTECTION

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2. Drawings/Photos /Brochure



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Excellent impact and puncture resistance for the harshest and most demanding construction conditions



HEAVY DUTY PARQUET PROTECTION

TOP LAYER

Waterproof Black Recycled Plastic benefits increased thickness and density that provide unsurpassed protection from foot traffic, water, paint spills and stains, impacts, gouges, nicks and other damages and heavy impacts.



UNDERLINING SOFT LAYER

Made from 100% recycled materials, the PET & Cotton fiber cloth acts as a soft cushion protecting your floors from scratches and dents due to falling tools and heavy traffic.



HEAVY DUTY TILE PROTECTION



MAIN FEATURES

Protects surfaces from impacts, gouges, nicks and other damages

- Water, Moisture & Leak Proof
- Heavy Impact Resistant
- Stain & Dirt Proof
- Slip Resistant
- Easy Clean
- Long Lasting & Reusable
- Recycled & Recyclable

FUNCTIONALITY

- Lays out fast
- Easily cuts with scissors or utility knife to create a custom size that fits perfectly into any space
- Enable easy, fast and flat installation
- Easy to handle
- Technology
- Utilizes combined-fiber technology



RECYCLING INDUSTRIES

ULTIMATE PROTECTION DELIVERED

Ha'avoda 3 st.,
Beit Shean, p.o box 704
11715, Israel

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cell: +972-53 6733926
fax: +972-4-9811019

sales@kb-recycling.com
www.kb-recycling.com





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HEAVY DUTY SURFACE PROTECTION

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PROTECTION THAT WILL
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3. User Instructions and Warnings

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Material Safety Data Sheet – ARMADILLO protection sheet

Identification of substance	
Trade name	ARMADILLO recycled two layers sheet (PE sheet & non-woven PET+Cotton sheet)
Manufacturer	K.B. Recycling industries Ltd.
Hazards Identification	
Information pertaining to particular dangers for man and environment	The molten product adheres to the skin and causes burns Spilled material may present a slipping hazard Possible production of electrostatic charging when used The working steams can irritate the eyes as well as the respiratory tract
Classification & Labeling	This product is not classified as hazardous according to EEC directives 67/548/EEC, 1999/45/EC This product is not classified as hazardous according to EC regulations 1907/2006/EC, 1272/2008/EC, and following amendments
Composition/Information	
<i>PE Layer</i>	
Chemical Name	Polyethylene,
Chemical Formula	(C ₂ H ₄) _n
CAS No. Designation	9010-79-1
Description	Recycled polyethylene sheet
Composition/Information	
<i>PET + cotton Layer</i>	
Chemical Name	Polyethylene Terephthalate Cotton
Chemical Formula	1. (C ₁₀ H ₈ O ₄) _N 2. not assigned
CAS No. Designation	25038-59-9 Not assigned
Description	Recycled Polyethylene terephthalate (app. 85%) and cotton (app. 15%)
First Aid Measures	
General information	The measures listed below apply to critical situations (Fire, incorrect process conditions) At room temperature the product is neither an irritant nor gives off hazardous vapors
After inhalation	In case of excessive inhalation of fumes, move person to fresh air. Call for medical help.



ARMADILLO

HEAVY DUTY SURFACE PROTECTION

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<p>After skin contact</p> <p>After eye contact</p> <p>After swallowing</p>	<p>Keep person warm, if necessary give mouth-to-mouth resuscitation, or artificial respiration</p> <p>After contact with the molten product, cool rapidly with cold water, do not pull solidified product away from the skin.</p> <p>Seek immediate medical advice.</p> <p>Rinse opened eye for several minutes under running water. Then consult a doctor.</p> <p>No specific measures to be taken if the product is swallowed, Get medical advice.</p>
<p><i>Firefighting measures</i></p> <p>Suitable extinguishing agents</p> <p>Special hazards caused by the Material and its products</p> <p>Protective equipment</p> <p>Additional information</p>	<p>ARMADILLO is made of polyethylene which is a highly flammable material. Keep away from heat sources, fires, sparkles and other flammable materials. Keep away from welding, metal grinding and any others works that may cause flames or sparkles.</p> <p>Water spray Foam Carbon dioxide Chemical powder</p> <p>In case of fire the material might release: Heavy dark smoke, Water (H₂O), carbon dioxide (CO₂) or Carbon monoxide (CO) when lacking oxygen (O₂), ammonia, small amount of Hydrogen cyanide and aldehydes The products of the burning are dangerous The formation of hydrocarbons and aldehydes are possible in the initial stages of a fire (especially between 400°C and 700°)</p> <p>breathing apparatus, fire suit Heat value: 12.2 kWh/kg</p>
<p><i>Accidental Release Measures</i></p> <p>Person-related safety</p> <p>Environmental protection</p> <p>Measures for cleaning/collecting</p> <p>Additional information</p>	<p>No special measures required – Keep away from children-choking hazard</p> <p>No special measures required Put into a container and provide a safe disposal. Recycle product or dispose properly</p>
<p><i>Handling and Storage</i></p> <p>safe handling</p> <p>Storage</p> <p>storerooms and containers</p>	<p>At room temperature no special requirements are necessary Lift and load safely, including fixation for prevention of falling or rolling during transportation</p> <p>Store at ambient temperature and at atmospheric pressure in original packaging. Insure safe fixation for prevention of falling and rolling. Protect from heat and fire. Store in a well-ventilated storage. Store under dry conditions.</p>
<p><i>Exposure Controls and Personal Protection</i></p> <p>General protective and hygienic measures</p> <p>Breathing equipment</p>	<p>Do not eat or drink while working No smoking</p> <p>Provide system for collecting the vapors which are created during the working process Welding should take place in open and well-ventilated areas. If appropriate</p>

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HEAVY DUTY SURFACE PROTECTION

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	ventilation is not available, use facemask when handling the molten product and while welding sheets using heat sources.
Skin protection	Heat resistant gloves
Eye protection	Safety glasses with side-shields
Body protection	Safety and non-slip boots or shoes
<i>Physical and Chemical Properties</i>	
Appearance	Rolls of plastic sheets
Melting Point	110-135°C (PE), 250-260°C (PET) - @ atmospheric pressure, sea level
Flash Point	> 315°C (PE), >350°C (PET)
Ignition temperature	> 315°C (PE), > 400°C (PET)
Decomposition temperature	> 315°C (PE), > 350°C (PET)
Danger of explosion	not explosive
Density	0.92-0.96 g/cm ³ (PE), 1.32-1.42 (PET) - @ 20°C
Solubility in water	Insoluble
<i>Stability and Reactivity</i>	
Thermal decomposition	The product is stable at normal handling- and storage conditions
Material to Avoid	Strong oxidizing agent
Dangerous reactions	No dangerous reactions known
Decomposition products	No hazardous decomposition products known at room temperature
<i>Toxicological Information</i>	
Acute toxicity	biologically inert
Primary irritant effect on the eye, skin and inhalation	Dust causes irritation to the eyes, skin and mucous membranes and may lead to toxic lung edemas
Sensitization	No sensitizing effect known
Additional toxicological information	When used and handled according to specifications, the product does not have any known harmful effects
<i>Ecological Information</i>	
Eco toxicity effects	No known eco-toxicological effects
Other information	The product is not biodegradable
<i>Disposal Considerations</i>	
Waste disposal	Disposal must be done according to local regulations Reuse possible
<i>Transport Information</i>	
Transport/Additional information	According to national and international guidelines, which regulate the road-, rail-, air- and sea-transport, this product is classified as not dangerous material
<i>Regulatory Information</i>	
EC regulations	The material is not a subject to classification according to EC lists
<i>Other Information</i>	
Further information	None
<p>This information presented herein is indicative and based on current level of information, knowledge and experience available, for the purpose of specifying the requirements regarding environment, health and safety in conjunction with the product. It is not to be interpreted as a warranty for specific product characteristics.</p> <p>K.B. Recycling Industries Ltd. takes no responsibility for inappropriate use, processing and handling by purchasers and users of the product.</p>	



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Environmental operating conditions

Max. Ambient Temperature: 55°C

Maintenance and Repairs:

Contact distributor.

Transport and Storage

Transport and store the ARMADILLO Sheets in the original package.

Store ARMADILLO Sheets in a dry and sun protected room.

Application

ARMADILLO Sheets can be used after reading the User Instructions and the introductory done by the distributor agent.

Warnings

1. Keep your work area in proper order.

Do not bring the materials near the hot surfaces.

2. Be aware of your surroundings.

Don't store the Protective Sheets in a moist or wet environment.

3. Store your Protective Sheets in an appropriate place.

Unused Protective Sheets should be stored in a dry location.

4. Use correctly the Protective Sheets

Don't use the Protective Sheets whose performance is not adequate for your work. Never use the Protective Sheets for purposes for which it was not designed.

5. Take care of your Protective Sheets

Keep the Protective Sheets clean for better and safer operation. Follow the user instructions and the notices.

Repairs should only be carried out by a qualified person. Use only original materials.



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4. Technical Data Sheet

Technical Data Sheet*

ARMADILLO

Description and applications

Protection sheet for tiled or polished surfaces, to be used in stage of building completion, finishing and renovation works .

The sheet is composed of two-layers – a strong and flexible polyethylene sheet (*PE layer*) and a non-woven fabric (*Fleece layer*) for absorbing and softening impacts of moving, dragging and falling objects .

ARMADILLO is made of 100% recycled materials.

Technical properties:

PE layer:

Properties	Method	Typical value	Unit
Thickness	ASTM D-5199	0.6-0.8	mm
Density	ASTM D792	0.94-0.960	g/cm ³
Ash content	ISO3451-1	1	%
Tear resistance	ASTM D-1004	55-80	N
Tensile properties	ASTM D-6693		
Break elongation		250-400	%
Break strength		13-17	kN/m
Yield elongation		15-130	%
Yield strength		8-14	kN/m

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Properties	Method	Typical value	Unit
Thickness	ASTM D-5199	1.9-2.1 (pre lamination)	mm
Density	ASTM D 5261	180-220	g/cm ²
Tear resistance	ASTM D-1004	55-80	N
Tensile elongation (MD)	ASTM D-4632	125	%
Tensile elongation (CD)	ASTM D-4632	220	%
Tensile strength (MD)	ASTM D-4632	176	N
Tensile strength (CD)	ASTM D-4632	183	N
Breaking strength	ASTM D3786	1227	Kpa
Puncture resistance	ASTM D4833	176	N
C.B.R	DIN 54307	644	N
AOS	ASTM D4751	0.56	mm
Permittivity	ASTM D4491	1.45	S ⁻¹
Permittivity	ASTM D4491	145	l/m ² xs

***Disclaimer:** The data included above relies on the data of the recycled products at their original form. Due to changes that may occur in their implementation processes, as well as additives consumption and/or the existence of other manipulations made by the end user, the actual material characteristics may be significantly diverse. It is the customer sole discretion to determine if the product is suitable for his applications and uses.



ARMADILLO

HEAVY DUTY SURFACE PROTECTION

HEAVY-DUTY SURFACE
PROTECTION THAT WILL
ENSURE YOUR SURFACE
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5. Manufacturing Instructions for serial production



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Quality inspection of incoming material

Production of ARMADILLO sheets according to production process

Dimension and properties tests of the final product according to specification (Quality Control of final product)

Marking of the product (Traceability)

Attaching the User Instructions

ARMADILLO Sheets packaging to assure safe handling and shipment



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WILL REMAIN SECURED

6. Marking on Product



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Each roll is marked with the following data:

Material code

Batch Number

Year and Month of production

Manufacturer name or Trade Mark

Country of origin

Marks are clearly printed on an adhesive sticker.

Sample of Marking Label:

<p>K.B. Recycling Type: ARMADILLO Sheet Dimensions: Batch Number: MFG. DATE: 09-2018 MADE IN ISRAEL</p>
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7. Declaration of environmental contribution



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Declaration of environmental contribution

We hereby declare that ARMADILLO product is made of 100 % recycled post-consumer polyethylene plastic waste extracted from domestic and agriculture waste streams. Laminated non-woven layers are made of 100% recycled plastic materials by our suppliers and according to their declaration. No virgin material is being used in our production process.



Yael Ghetta, Engineer

KB Recycling Industries LTD.

***This declaration refers only to the RHINO and ARMADILLO products and not necessarily to their packaging.**



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8. Certificates and Test Reports

REACH- PET layer

Products

Report No.: **1160044807b 001** Page 1 of 10
Client: CHANGSHU CHENGDING NON-WOVEN FABRIC CO., LTD
Identification/ Model No(s): Nandu Bridge, Xushi, Dongbang Town, Changshu City, Jiangsu Province, China
Sample Receiving date: Painter Cover Fleece
Testing Period: 2018-04-08
Delivery condition: 2018-04-09 - 2018-04-12
Test Specification: Apparent good, Samples tested as received
Test result:

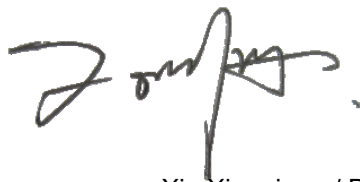
Customer's requirement:

1. Risk Assessment of Articles: Screening of substances of very high concern Please refer to test page (SVHC) subject to authorisation, according to (EU) No 143/2011, (EU) No 125/2012, (EU) No 348/2013 ,(EU) No 895/2014 and (EU) No. 2017/999 (Annex XIV of EC No 1907/2006) and candidate list by European Chemical Agency (ECHA), according to the EU Court of Justice rules on SVHCs in articles (Guidance on requirements for substances in articles, June 2017)

Other information:

Test Location: TÜV Rheinland (Shanghai) Co., Ltd.

TÜV Building I, No.177, Lane 777, West Guangzhong Road Jing'an District, Shanghai, China



For and on behalf of 2018-04-16

Xie Xianqiang / Department Manager

TÜV Rheinland/CCIC (Ningbo) Co., Ltd.

Date Name/Position

Test result is drawn according to the kind and extent of tests performed.

This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

Material List:

Item: Painter Cover Fleece

Material No.	Material	Color	Location
M001	Plastic + Textile	multi color	refer to photo

1. Screening of substances of very high concern (SVHC) subject to authorisation, according to

(EU) No 143/2011, (EU) No 125/2012, (EU) No 348/2013, (EU) No 895/2014 and (EU) No. 2017/999 (Annex XIV of EC No 1907/2006) and candidate list by European Chemical Agency (ECHA), according to the EU Court of Justice rules on SVHCs in articles.

Test Results

Screening of SVHCs subject to authorisation, according to (EU) No 143/2011, (EU) No

125/2012, (EU) No 348/2013, (EU) No 895/2014 and (EU) No. 2017/999 (Annex XIV of EC No

1907/2006) and SVHCs in candidate list by European Chemical Agency (ECHA), and the EU Court of Justice rules on SVHCs in articles

Test Method:

1) Test portion is digested with acid and assisted with microwave, the elements are analysed by ICP-OES.

Test portion is extracted by organic solvent, semi-quantitative analysis by GC-MS / UV-Vis.

Test portion is extracted by organic solvent, the extraction solution is analyzed by Headspace-GC/MS / LC-DAD-MS / LC-MS/MS.

Test No.:	T001
Material No.:	M001
Result (%)	n.d.

Abbreviation: n.d. = Not Detected (< Reporting Limit)

RL = Reporting Limit % = Percentage

Remark:

(*1) The reporting limit for each individual SVHC subject to authorisation according to (EU) No 143/2011, (EU) No 125/2012, (EU) No 348/2013, (EU) No 895/2014 and (EU) No. 2017/999 (Annex XIV of EC No 1907/2006):

	Substance	CAS No.	Reporting Limit
1	4,4'- Diaminodiphenylmethane (MDA)	101-77-9	0.01%
2	Benzyl butyl phthalate (BBP)	85-68-7	0.01%
3	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	0.01%
4	Dibutyl phthalate (DBP)	84-74-2	0.01%
5	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	0.01%
6	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	81-15-2	0.01%
7	2,4-Dinitrotoluene (2,4-DNT)	121-14-2	0.01%
8	Diisobutyl phthalate (DIBP)	84-69-5	0.01%
9	Tris(2-chloroethyl)phosphate	115-96-8	0.01%

10	Diarsenic pentaoxide (*3)	1303-28-2	0.01%
11	Diarsenic trioxide (*3)	1327-53-3	0.01%
12	Lead chromate (*3)(*4)	7758-97-6	0.01%
13	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) (*3)(*4)	12656-85-8	0.01%
14	Lead sulfochromate yellow (C.I. Pigment Yellow 34) (*3)	1344-37-2	0.01%
15	Trichloroethylene	79-01-6	0.01%
16	Chromium trioxide (*4)	1333-82-0	0.01%

17	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. (*4)	7738-94-5 / 13530-68-2	0.01%
18	Sodium dichromate (*3)	7789-12-0 / 10588-01-9	0.01%
19	Potassium dichromate (*4)	7778-50-9	0.01%
20	Ammonium dichromate (*4)	7789-09-5	0.01%
21	Potassium chromate (*4)	7789-00-6	0.01%
22	Sodium chromate (*4)	7775-11-3	0.01%
23	Formaldehyde, oligomeric reaction products with aniline (technical MDA) (*11)	25214-70-4	0.01%
24	1,2-Dichloroethane	107-06-2	0.01%
25	Bis(2-methoxyethyl) ether	111-96-6	0.01%
26	Arsenic acid (*3)	7778-39-4	0.01%
27	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	0.01%
28	Dichromium tris(chromate) (*4)	24613-89-6	0.01%
29	Strontium chromate (*4)	7789-06-2	0.01%
30	Potassium hydroxyoctaoxodizincatedichromate (*4)	11103-86-9	0.01%
31	Pentazinc chromate octahydroxide (*4)	49663-84-5	0.01%
32	1-bromopropane (n-propyl bromide)	106-94-5	0.01%
33	Diisopentylphthalate	605-50-5	0.01%
34	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	0.01%
35	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	0.01%
36	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.01%
37	Bis(2-methoxyethyl) phthalate	117-82-8	0.01%
38	Dipentyl phthalate (DPP)	131-18-0	0.01%
39	N-pentyl-isopentylphthalate	776297-69-9	0.01%
40	Anthracene oil (*7)	90640-80-5	0.01%
41	Pitch, coal tar, high temperature (*7)	65996-93-2	0.01%
42	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated (OPEO) [covering well-defined substances and UVCB substances, polymers and homologues]	-	0.01%
43	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]	-	0.01%

(*2) The reporting limit for each individual SVHC in Candidate List by ECHA:

	Substance	CAS No.	Reporting Limit
44	Anthracene	120-12-7	0.01%
45	Bis(tributyltin) oxide (TBTO) (*3) (*5)	56-35-9	0.01%
46	Triethyl arsenate (*3)	15606-95-8	0.01%
47	Lead hydrogen arsenate (*3)	7784-40-9	0.01%
48	Cobalt dichloride (*3)	7646-79-9	0.01%
49	Acrylamide	79-06-1	0.01%
50	Anthracene oil, anthracene paste, distn. lights (*7)	91995-17-4	0.01%(*8)
51	Anthracene oil, anthracene paste, anthracene fraction (*7)	91995-15-2	
52	Anthracene oil, anthracene-low (*7)	90640-82-7	
53	Anthracene oil, anthracene paste (*7)	90640-81-6	
54	Boric acid (*3) (*6)	10043-35-3 / 11113-50-1	0.01%
55	Disodium tetraborate, anhydrous (*3) (*6)	1303-96-4 / 1330-43-4 / 12179-04-3	0.01%
56	Tetraboron disodium heptaoxide, hydrate (*3) (*6)	12267-73-1	0.01%
57	2-Methoxyethanol	109-86-4	0.01%
58	2-Ethoxyethanol	110-80-5	0.01%
59	Cobalt(II) sulphate (*3)	10124-43-3	0.01%
60	Cobalt(II) dinitrate (*3)	10141-05-6	0.01%
61	Cobalt(II) carbonate (*3)	513-79-1	0.01%
62	Cobalt(II) diacetate (*3)	71-48-7	0.01%
63	Alkanes C10-C13, chloro (Short Chain Chlorinated Paraffins) (SCCP)	85535-84-8	0.01%
64	2-Ethoxyethyl acetate	111-15-9	0.01%
65	Hydrazine	302-01-2 / 7803-57-8	0.01%
66	1-Methyl-2-pyrrolidone (NMP)	872-50-4	0.01%
67	1,2,3-Trichloropropane	96-18-4	0.01%
68	Aluminosilicate Refractory Ceramic Fibres (RCF) (*9)	-	0.01%
69	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) (*9)	-	0.01%
70	2-Methoxyaniline,o-Anisidine	90-04-0	0.01%
71	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.01%
72	Calcium arsenate (*3)	7778-44-1	0.01%
73	Trilead diarsenate (*3)	3687-31-8	0.01%
74	N,N-dimethylacetamide (DMAC)	127-19-5	0.01%
75	Phenolphthalein	77-09-8	0.01%
76	Lead dipicrate (*3)	6477-64-1	0.01%
77	Lead diazide, Lead azide (*3)	13424-46-9	0.01%

78	Lead styphnate (*3)	15245-44-0	0.01%
79	1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme)	112-49-2	0.01%
80	1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME)	110-71-4	0.01%

81	Diboron trioxide (*3) (*6)	1303-86-2	0.01%
82	Formamide	75-12-7	0.01%
83	Lead(II) bis(methanesulfonate) (*3)	17570-76-2	0.01%
84	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	0.01%
85	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione üTGIC	59653-74-6	
86	4,4'-bis(dimethylamino)benzophenone (Michler's ketone), MK	90-94-8	0.01%
87	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base), RMK	101-61-1	0.01%
88	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) >ZLWK•0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] (*10)	2580-56-5	0.01%
89	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3) >ZLWK•0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] (*10)	548-62-9	
90	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol >ZLWK•RIOLFKOHU V ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] (*10)	561-41-1	
91	[[Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) >ZLWK•0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] (*10)	6786-83-0	
92	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	1163-19-5	0.01%
93	Pentacosafuorotridecanoic acid	72629-94-8	0.01%
94	Tricosafuorododecanoic acid	307-55-1	0.01%
95	Henicosafuoroundecanoic acid	2058-94-8	0.01%
96	Heptacosafuorotetradecanoic acid	376-06-7	0.01%
97	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA) (*12)	123-77-3	0.05%
98	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 / 13149-00-3 / 14166-21-3	0.01%
99	Hexahydromethylphthalic anhydride (MHHPA) [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	0.01%
100	N,N-dimethylformamide	68-12-2	0.01%
101	1,2-Diethoxyethane	629-14-1	0.01%
102	Diethyl sulphate	64-67-5	0.01%
103	Methoxyacetic acid (MAA)	625-45-6	0.01%
104	Dimethyl sulphate	77-78-1	0.01%
105	N-methylacetamide	79-16-3	0.01%
106	Furan	110-00-9	0.01%

107	Methyloxirane (Propylene oxide)	75-56-9	0.01%
108	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.01%
109	Dibutyltin dichloride (DBTC) (*3)	683-18-1	0.01%
110	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	0.01%
111	4,4'-methylenedi-o-toluidine	838-88-0	0.01%
112	4,4'-oxydianiline and its salts	101-80-4	0.01%

113	4-Aminoazobenzene	60-09-3	0.01%
114	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	0.01%
115	6-methoxy-m-toluidine (p-cresidine)	120-71-8	0.01%
116	Biphenyl-4-ylamine	92-67-1	0.01%
117	o-aminoazotoluene	97-56-3	0.01%
118	o-Toluidine	95-53-4	0.01%
119	Acetic acid, lead salt, basic (*3)	51404-69-4	0.01%
120	Trilead bis(carbonate) dihydroxide (*3)	1319-46-6	0.01%
121	Lead oxide sulfate (*3)	12036-76-9	0.01%
122	[Phthalato(2-)]dioxotrilead (*3)	69011-06-9	0.01%
123	Dioxobis(stearato)trilead (*3)	12578-12-0	0.01%
124	Fatty acids, C16-18, lead salts (*3)	91031-62-8	0.01%
125	Lead bis(tetrafluoroborate) (*3)	13814-96-5	0.01%
126	Lead cyanamidate (*3)	20837-86-9	0.01%
127	Lead dinitrate (*3)	10099-74-8	0.01%
128	Lead monoxide (lead oxide) (*3)	1317-36-8	0.01%
129	Orange lead (lead tetroxide) (*3)	1314-41-6	0.01%
130	Lead titanium trioxide (*3)	12060-00-3	0.01%
131	Lead titanium zirconium oxide (*3)	12626-81-2	0.01%
132	Pyrochlore, antimony lead yellow (*3)	8012-00-8	0.01%
133	Pentalead tetraoxide sulphate (*3)	12065-90-6	0.01%
134	Silicic acid (H_2SiO_3), 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] (*3)	68784-75-8	0.01%
135	Silicic acid, lead salt (*3)	11120-22-2	0.01%
136	Sulfurous acid, lead salt, dibasic (*3)	62229-08-7	0.01%
137	Tetraethyllead (*3)	78-00-2	0.01%
138	Tetralead trioxide sulphate (*3)	12202-17-4	0.01%
139	Trilead dioxide phosphonate (*3)	12141-20-7	0.01%
140	Ammonium pentadecafluorooctanoate (APFO) (*13)	3825-26-1	0.01%
141	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.01%
142	Cadmium (*3)	7440-43-9	0.01%
143	Cadmium oxide (*3)	1306-19-0	0.01%

144	4-Nonylphenol, branched and linear, ethoxylated (NPEO) [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and welldefined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	-	0.01%
145	Dihexyl phthalate	84-75-3	0.01%
146	Trixylyl phosphate	25155-23-1	0.01%
147	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	0.01%
148	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-minonaphthalene-1sulphonate) (C.I. Direct Red 28)	573-58-0	0.01%
149	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	0.01%
150	Lead di(acetate) (*3)	301-04-2	0.01%
151	Cadmium sulphide (*3)	1306-23-6	0.01%
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	0.01%
153	Cadmium chloride (*3)	10108-64-2	0.01%

154	Sodium perborate,perboric acid, sodium salt (*3) (*6)	-	0.01%
155	Sodium peroxometaborate (*3) (*6)	7632-04-4	0.01%
156	Cadmium fluoride (*3)	7790-79-6	0.01%
157	Cadmium sulphate (*3)	10124-36-4 / 31119-53-6	0.01%
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.01%
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.01%
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) (*14)	15571-58-1	0.01%
161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE) (*15)	-	0.01%
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic DFLGPL[HGGHF\ODQGKH[\ODQGRFW\OGLHVWHUVZLWK•RIGLKH[\OSKWKDODWH (EC No. 201-559-5)	68515-51-5 / 68648-93-1	0.01%
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-secbutyl-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]	-	0.01%
164	1,3-propanesultone	1120-71-4	0.01%
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	0.01%
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	0.01%
167	Nitrobenzene	98-95-3	0.01%
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	0.01%
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	0.01%
170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	0.01%
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2 3830-45-3 3108-42-7	0.01%
172	4-heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	0.01%

173	<i>p</i> -(1,1-dimethylpropyl)phenol	80-46-6	0.01%
174	Perfluorohexane-1-sulfonic acid and its salts (PFHxS)	-	0.01%
175	Chrysene	218-01-9	0.01%
176	Benz[a]anthracene	56-55-3	0.01%
177	Cadmium nitrate(*3)	10325-94-7	0.01%
178	Cadmium hydroxide(*3)	21041-95-2	0.01%
179	Cadmium carbonate(*3)	513-78-0	0.01%
180	1,6,7,8,9,14,15,16,17,17,18,18- Dodecachloropentacyclo [12.2.1.1.1 ² .0 ² .1 ³ .0 ¹] ⁹ octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	0.01%
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4KHSW\OSKHQROEUDQFKHGDQGOLQHDU53+3>ZLWK•ZZKHSW\OSKHQRO branched and linear]	-	0.01%

Remark:

- (*3) The substances are tested and calculated in terms of its respective elements (e.g. As, Pb, Co, B, Cd, Sn).
- (*4) The substances are tested and calculated in terms of Cr (VI).
- (*5) The substance is tested and calculated in terms of Tributyl tin.
- (*6) The substances are confirmed and tested in terms of Boric acid when Boron is detected in the sample.
- (*7) The substances are UVCB (substance of unknown or variable composition, complex reaction products or biological materials), which are identified by its main constituents.
- (*8) Individual concentrations to the constituent of UVCB with an amount of < 0.01% were not considered by the calculation of the sum.
- (*9) The test results are based on microscopic and chemical evaluation.
- (*10) The substances are quantified in terms of Michler's ketone and Michler's base by LC-MS, as Michler's ketone or Michler's base was found exceeds 0.01%.
- (*11) The content oligomer is determined by Py-GC/MS.
- (*12) The content of diazene-1,2-dicarboxamide is analyzed in terms of its breakdown product.
- (*13) The substance is tested in terms of pentadecafluorooctanoate.
- (*14) The substance is tested and calculated in terms of Dioctyl tin.
- (*15) The substance is tested and calculated in terms of Monoctyl tin and Dioctyl tin.
- (*16) The tested material(s) was screened only for selected SVHCs. Selection of tests refers to the material type and application and the possibility of contamination during production.