

VarioShore TPU Black

Bileog Sonraí Sábháilteachta

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878



Dáta eisiúna: 31/03/2021
Dáta athbheithnithe: 15/04/2021
Supersedes version of: 14/04/2021
Leagan: 3.0

CUID 1: Sainaitheantóir táirge / an mheascáin agus na cuideachta / an ghnóthais

1.1. Sainaitheantóir táirge

Foirm an táirge	: Meascán
Trade name	: VarioShore TPU Black
UFI	: JQ10-W0CX-G00G-WX2Y
Type of product	: Thermoplastic filament
Synonyms	: VarioShore TPU Black
Product group	: Trade product

1.2. Úsáidí ábhartha sainaitheanta na substainte nó an mheascáin agus úsáidí atá dímholta

1.2.1. Úsáidí sainaitheanta ábhartha

Beartaithe le haghaidh an phobail i gcoitinne	
Príomhchatagóir úsáide	: Professional use
Úsáid na substainte / an mheascáin	: Thermoplastic filament (FDM 3D printig) Manufacture of plastics products

1.2.2. Úsáidí dímholta

Restrictions on use	: Cosmetics, Food/feedstuff additives
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1.3. Sonraí um sholáthraí na bileoige sonraí sábháilteachta

colorFabb B.V.
Bremweg 7
5951 DK Belfeld
T + 31 (0)77 - 466 40 15 - F + 31 (0)77 - 397 14 14
support@colorfabb.com - www.colorfabb.com
E-mail address of competent person responsible for the SDS : sds@clapit.de

1.4. Uimhir ghutháin éigeandála

Uimhir éigeandála	: 0049 2153 12 996 55 (Mo-Fr 10:00-18:00)
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CUID 2: Aithint guaiseacha

2.1. Aicmiú na substainte nó an mheascáin

Aicme de réir Rialachán (CE) Uimh. 1272/2008

Aquatic Chronic 3	H412
Full text of hazard classes and H-statements	: see section 16

Éifeachtaí díobhálacha fisiceimiceacha, um shláinte an duine agus um an comhshaol

Díobhálach don saol uisceach, le héifeachtaí fadtréimhseacha.

2.2. Eilimintí lipéid

Lipéadú de réir Rialachán (CE) Uimh. 1272/2008

Hazard statements	: H412 - Díobhálach don saol uisceach, le héifeachtaí fadtréimhseacha.
Ráitis réamhchúraim	: P273 - Ná scaoiltear amach sa chomhshaol. P501 - Diúscair an t-ábhar/an coimeádán i ...

2.3. Guaiseacha eile

Other hazards which do not result in classification : None under normal conditions.

The product does not meet the PBT and vPvB classification criteria

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605

CUID 3: Comhdhéanamh / faisnéis faoi chomhábhair

3.1. Substaint

Ní bhaineann le hábhar

3.2. Meascán

Ainm	Sainitheantóir táirge	Aicme de réir Rialachán (CE) Uimh. 1272/2008
Saturated hydrocarbon with C<10	0.5 – 0.75	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

CUID 4: Bearta garchabhrach

4.1. Cur síos ar na bearta garchabhrach

First-aid measures general	: Faigh comhairle/cúram liachta má bhraitheann tú tinn.
Bearta garchabhrach tar éis ionanáilaithe	: Tabhair an duine amach faoin aer úr agus coinnigh é i riocht ina bhféadfadh sé anáil a tharraingt go réidh.
Bearta garchabhrach tar éis teagmhála leis an gcráiceann	: Wash skin with plenty of water.
Bearta garchabhrach tar éis teagmhála leis an tsúil	: Rinse eyes with water as a precaution.
Bearta garchabhrach tar éis iontógála	: Cuir glao ar ionad nimhe nó ar dhochtúir/lia má bhraitheann tú tinn.

4.2. Na siomptóim agus na héifeachtaí is tábhachtaí, idir shiomptóim ghéarmhíochaine agus shiomptóim mhoillithe

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Siomptóim/gortuithe tar éis ionanáilaithe	: None under normal use.
Siomptóim/gortuithe tar éis teagmhála leis an gcráiceann	: None under normal conditions.
Siomptóim/gortuithe tar éis teagmhála leis an tsúil	: Direct contact with the eyes is likely to be irritating.
Siomptóim/gortuithe tar éis iontógála	: May cause irritation to the digestive tract.

4.3. Léiriú ar aon chóir leighis láithreach agus aon chóir speisialta atá ag teastáil

Treat symptomatically.

CUID 5: Bearta comhrac dóiteáin

5.1. Meáin múchta

Meáin oiriúnacha um múchadh : Water spray. Dry powder. Cúr.

5.2. Guaiseacha speisialta a eascraíonn as an tsubstaint nó as an meascán

Guais dóiteáin	: In case of fire and/or explosion do not breathe fumes.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

5.3. Comhairle do chomhraiceoirí dóiteáin

Firefighting instructions	: Do not enter fire area without proper protective equipment, including respiratory protection. Exercise caution when fighting any chemical fire.
Cosaint i rith comhrac dóiteáin	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

CUID 6: Bearta i gcás scaoileadh de thaisme

6.1. Réamhchúraimí pearsanta, trealamh cosanta agus nósanna imeachta éigeandála

6.1.1. Do phearsanra neamh-éigeandála

Protective equipment	: Wear recommended personal protective equipment.
Emergency procedures	: Ventilate spillage area.

6.1.2. D'fhreagróirí éigeandála

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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6.2. Réamhchúraimí comhshaoil

Avoid release to the environment.

6.3. Modhanna agus ábhar maidir le coimeád agus glanadh suas

Modhanna um ghlanadh	: Mechanically recover the product.
Faisnéis eile	: Dispose of materials or solid residues at an authorized site.

6.4. Tagairt do chodanna eile

For further information refer to section 13.

CUID 7: Láimhseáil agus stóráil

7.1. Réamhchúraimí maidir le láimhseáil shábháilte

Réamhchúraimí maidir le láimhseáil shábháilte	: Ensure good ventilation of the work station. Wear personal protective equipment.
Bearta sláinteachais	: Ná hith, ná hól agus ná caitear tobac agus an táirge seo á úsáid. Always wash hands after handling the product.

7.2. Coinníollacha stórála sábháilte, lena n-áirítear aon neamhlúí

Coinníollacha stórála	: Stóráil in áit dhea-aeráilte. Coimeád fionnuar é.
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7.3. Úsáid shonrach deiridh nó úsáid sonracha deiridh

Thermoplastic filament (FDM 3D printig).

CUID 8: Rialuithe nochtta / cosaint phearsanta

8.1. Paraiméadair rialaithe

8.1.1. National occupational exposure and biological limit values

Luachanna teorantacha nochtta do na comhpháirteanna eile

Methacrylic acid (79-41-4)

Éire - Occupational Exposure Limits

Local name	Methacrylic acid
OEL TWA [1]	70 mg/m ³
OEL TWA [2]	20 ppm
OEL STEL	140 mg/m ³
OEL STEL [ppm]	40 ppm
Regulatory reference	Chemical Agents Code of Practice 2020

Methacrylonitrile (126-98-7)

Éire - Occupational Exposure Limits

Local name	Methacrylonitrile [Methylacrylonitrile]
OEL TWA [1]	2.8 mg/m ³
OEL TWA [2]	1 ppm

Notes (IE)

Sk (Substances which have the capacity to penetrate intact skin when they come in contact with it, and be absorbed into the body)

Regulatory reference

Chemical Agents Code of Practice 2020

8.1.2. Recommended monitoring procedures

Níl aon fhaisnéis bhreise ar fáil

8.1.3. Air contaminants formed

Níl aon fhaisnéis bhreise ar fáil

8.1.4. DNEL and PNEC

Níl aon fhaisnéis bhreise ar fáil

8.1.5. Control banding

Níl aon fhaisnéis bhreise ar fáil

8.2. Rialuithe nochta

8.2.1. Appropriate engineering controls

Rialuithe iomchuí innealtóireachta:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Cosaint súl:

Safety glasses

8.2.2.2. Skin protection

Cosaint chraicinn agus choirp:

Wear suitable protective clothing

Cosaint lámha:

Protective gloves

8.2.2.3. Respiratory protection

Cosaint riospráide:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

Níl aon fhaisnéis bhreise ar fáil

8.2.3. Environmental exposure controls

Rialuithe um nochtadh comhshaoil:

Ná scaoiltear amach sa chomhshaoil.

CUID 9: Airíonna fisiceacha agus ceimiceacha

9.1. Faisnéis bunaithe ar bhunairíonna fisiceacha agus ceimiceacha

Staid fhisiceach	: Solid
Dath	: Various.
Dealramh	: Thermoplastic filament.
Boladh	: slight.
Tairseach bolaidh	: Not available
Leáphointe	: Not available
Reophointe	: Ní bhaineann le hábhar
Fiuchphointe	: Not available
Inadhainteacht	: Neamh-inadhainte
Teorainneacha pléascacha	: Ní bhaineann le hábhar
LEL	: Ní bhaineann le hábhar
UEL	: Ní bhaineann le hábhar
Splancphointe	: Ní bhaineann le hábhar
Teocht uath-adhainte	: Ní bhaineann le hábhar
Teocht dianscaoilte	: Not available
pH	: Not available

pH solution	: Not available
Slaodacht, cinéimiteach	: Ní bhaineann le hábhar
Intuaslagthacht	: Not available
Partition coefficient n-octanol/water (Log Kow)	: Not available
Galbhrú	: Not available
Vapour pressure at 50 °C	: Not available
Dlús	: Not available
Dlús coibhneasta	: Not available
Galdlús coibhneasta ag 20 °C	: Ní bhaineann le hábhar
Particle size	: Not available
Particle size distribution	: Not available
Particle shape	: Not available
Particle aspect ratio	: Not available
Particle aggregation state	: Not available
Particle agglomeration state	: Not available
Particle specific surface area	: Not available
Particle dustiness	: Not available

9.2. Faisnéis eile

9.2.1. Information with regard to physical hazard classes

Níl aon fhaisnéis bhreise ar fáil

9.2.2. Other safety characteristics

Níl aon fhaisnéis bhreise ar fáil

CUID 10: Cobhsaíocht agus imoibríocht

10.1. Imoibríocht

პროდუქტი არ შედის რეაქციაში გამოყენების, შენახვის და ტრანსპორტირების ნორმალურ პირობებში.

10.2. Cobhsaíocht cheimiceach

Stable under normal conditions.

10.3. D'fhéadfadh a bheith ina chúis le fhrithghníomhartha guaiseacha

No dangerous reactions known under normal conditions of use.

10.4. Coinníollacha lena seachaint

არცერთი სენახვის და მოხმარების რეკომენდებული პირობებიდან (იხ. ნაწილი 7).

10.5. Ábhair neamh-chomhoiriúnacha

Níl aon fhaisnéis bhreise ar fáil

10.6. Táirgí dianscaoilte guaiseacha

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

CUID 11: Faisnéis thocsaineolaíoch

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Saturated hydrocarbon with C<10

LD50 ó bhéal francach	> 2000 mg/kg
LD50 deirmeach coinín	> 2000 mg/kg
LC50 ionanálú francach	33.52 mg/l/4h
Creimeadh/greannú craicinn	: Not classified
Damáiste/greannú tromchúiseach súl	: Not classified
Íoghrú riospráide nó craicinn	: Not classified
Só-ghineacht ghaiméite	: Not classified
Carcanaigineacht	: Not classified
Tocsaineacht atáirgthe	: Not classified

Tocsaineacht sain-spríocorgáin (aon nochtadh amháin) : Not classified

Saturated hydrocarbon with C<10

Tocsaineacht sain-spríocorgáin (aon nochtadh amháin) D'fhéadfadh sé a bheith ina chúis le codlatacht nó le meadrán.

Tocsaineacht sain-spríocorgáin (ilnochtadh) : Not classified

Saturated hydrocarbon with C<10

NOAEC (ion-análú,francach,gal,90 lá) 24.3 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study)

Guais asúite : Not classified

VarioShore TPU Black

Slaodacht, cinéimiteach Ní bhaineann le hábhar

11.2. Information on other hazards

Níl aon fhaisnéis bhreise ar fáil

CUID 12: Faisnéis éiceolaíochta

12.1. Tocsaineacht

Éiceolaíocht - ginearálta : Díobhálach don saol uisceach, le héifeachtaí fadtréimhseacha.

Guaiseach don chomhshaol uisceach, ghearrthéarmach (géarghuais) : Not classified

Guaiseach don chomhshaol uisceach, fadtéarmach (guais ainsealach) : Díobhálach don saol uisceach, le héifeachtaí fadtréimhseacha.

Not rapidly degradable

Saturated hydrocarbon with C<10

LC50 - Fish [1] 0.11 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)

EC50 - Crustacea [1] 0.4 mg/l Test organisms (species): Daphnia magna

LOEC (ainsealach) 0.32 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

NOEC (chronic) 0.17 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

12.2. Inchoimeádachas agus díghrádaitheacht

Níl aon fhaisnéis bhreise ar fáil

12.3. Acmhainneacht bhithbhailitheach

Níl aon fhaisnéis bhreise ar fáil

12.4. Soghluaisteacht san ithir

Níl aon fhaisnéis bhreise ar fáil

12.5. Torthaí an mheasúnaithe PBT agus vPvB

VarioShore TPU Black

The product does not meet the PBT and vPvB classification criteria

12.6. Endocrine disrupting properties

Níl aon fhaisnéis bhreise ar fáil

12.7. Éifeachtaí díobhálacha eile

Níl aon fhaisnéis bhreise ar fáil

CUID 13: Breithníthe díuscartha

13.1. Modhanna cóireála dramhaíola

Regional legislation (waste) : Disposal must be done according to official regulations.

Modhanna cóireála dramhaíola : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations : Disposal must be done according to official regulations.

Product/Packaging disposal recommendations : Diúscair an t-ábhar/an coimeádán i pointe guaise dramhaíola nó speisialta, de réir rialacháin áitiúil, réigiúnach, náisiúnta agus / nó idirnáisiúnta.

EURAL : 15 01 10* - packaging containing residues of or contaminated by dangerous substances
16 01 19 - Plastic

CUID 14: Faisnéis Iompair

In accordance with ADR / IMDG / IATA / ADN / RID

14.1. UN number or ID number

UN-No. (ADR)	: Not regulated
UN-No. (IMDG)	: Not regulated
UN-No. (IATA)	: Not regulated
UN-No. (ADN)	: Not regulated
UN-No. (RID)	: Not regulated

14.2. Ainm seolta ceart UN

Proper Shipping Name (ADR)	: Not regulated
Proper Shipping Name (IMDG)	: Not regulated
Proper Shipping Name (IATA)	: Not regulated
Proper Shipping Name (ADN)	: Not regulated
Proper Shipping Name (RID)	: Not regulated

14.3. Aicme nó aicmí guaise iompair

ADR

Transport hazard class(es) (ADR)	: Not regulated
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IMDG

Transport hazard class(es) (IMDG)	: Not regulated
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IATA

Transport hazard class(es) (IATA)	: Not regulated
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ADN

Transport hazard class(es) (ADN)	: Not regulated
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RID

Transport hazard class(es) (RID)	: Not regulated
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14.4. Grúpa pacála

Packing group (ADR)	: Not regulated
Packing group (IMDG)	: Not regulated
Packing group (IATA)	: Not regulated
Packing group (ADN)	: Not regulated
Packing group (RID)	: Not regulated

14.5. Guaiseacha comhshaoil

Contúirteach don chomhshaoil	: No
Truailleán mara	: No

14.6. Réamhchúraimí speisialta don úsáideoir

Iompar ar talamh

Not regulated

Iompar ar muir

Not regulated

Aeriompar

Not regulated

Iompar ar uiscebhealaí intíre

Not regulated

Iompar iarnróid

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Ní bhaineann le hábhar

CUID 15: Faisnéis rialála

15.1. Rialacháin/reachtaíocht sábháilteacht, sláinte agus chomhshaoil a bhaineann go sonrach leis an tsubstaint nó an meascán

15.1.1. Rialacháin de chuid an AE

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. Rialacháin náisiúnta

Níl aon fhaisnéis bhreise ar fáil

15.2. Measúnú sábháilteachta ceimicí

Níl aon mheasúnú sábháilteachta ceimiceán déanta

CUID 16: Faisnéis eile

Cuid	Changed item	Change	Comments
	Supersedes version of	Added	
	Dáta athbhreithnithe	Added	
1.1	Trade name	Modified	
1.1	Ainm	Modified	
2.2	Ráitis réamhchúraim (CLP)	Modified	
3	Comhdhéanamh / faisnéis faoi chomhábhair	Modified	

Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	Biological limit value
BOD	Biochemical oxygen demand (BOD)
COD	Chemical oxygen demand (COD)
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
Uimh. CE	European Community number
EC50	Median effective concentration
EN	European Standard
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
OEL	Occupational Exposure Limit
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
BSS	Bileog Sonraí Sábháilteachta
STP	Sewage treatment plant
ThOD	Theoretical oxygen demand (ThOD)
TLM	Median Tolerance Limit
VOC	Volatile Organic Compounds
Uimh. CAS	Chemical Abstract Service number
N.O.S.	Not Otherwise Specified
vPvB	Very Persistent and Very Bioaccumulative

Full text of H- and EUH-statements

Aquatic Acute 1	Guaiseach don timpeallacht uisceach - Ghéarghuais, Catagóir 1
Aquatic Chronic 1	Guaiseach don timpeallacht uisceach - Guais Ainsealach, Catagóir 1
Aquatic Chronic 3	Guaiseach don timpeallacht uisceach - Guais Ainsealach, Catagóir 3
Asp. Tox. 1	Guais asúite, Catagóir 1
Flam. Liq. 2	Leachtanna inadhainte, Catagóir 2
Skin Irrit. 2	Creimeadh/greannú craicinn, Catagóir 2
STOT SE 3	Tocsaineacht sain-spríocorgáin – aon nochtadh amháin, Catagóir 3, Támhshuan
H225	Leacht an-inadhainte agus gal an-inadhainte.
H304	D'fhéadfadh sé a bheith marfach má shlogtar é agus má théann sé isteach sna haerbhealaí.
H315	Ina chúis le greannú craicinn.
H336	D'fhéadfadh sé a bheith ina chúis le codlatacht nó le meadrán.
H400	An-tocsaineach don saol uisceach.
H410	An-tocsaineach don saol uisceach, le héifeachtaí fadtréimhseacha.
H412	Díobhálach don saol uisceach, le héifeachtaí fadtréimhseacha.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Aquatic Chronic 3	H412	Calculation method
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The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.