



Produktspezifikation

Rev.-Datum
 08.02.2024

| | | | |
|----------------------------|-------------------------------------|-------------------------|--------------|
| Artikelbezeichnung: | SK 51 (6-HK II) | Zeichnungs-Nr. | V5162 |
| | | Datum: | 01.03.2016 |
| | | KTH Art.-Nr.: | 5162.11.07 A |
| Kunde: | Berry Promens Neumünster & Theessen | Kunden Art.-Nr.: | v51037304k |

| | | |
|----------------------|------------------|--|
| Roh-material: | Verschluß | HDPE Lotrène Q 50100 / oder / Lupolen 4261 A |
|----------------------|------------------|--|

| | |
|---------------|----------------|
| Farbe: | Schwarz 240003 |
|---------------|----------------|

| | | |
|--|--------------------------------|-----------------------|
| | Verschlußtiefe | Z: 19,60 mm ± 0,40 mm |
| | Gewindeinnendurchmesser | X: 50,20 mm ± 0,40 mm |
| | Gewindeaußendurchmesser | Y: 54,90 mm ± 0,40 mm |

| | | | | |
|------------------------|-------------------|---------------------|--------------------------------|------------------------|
| Dichtung | Werkstoff: | Alveocel | Dichte: | 300 kg/ m ³ |
| Zeichnungs-Nr.: | S 1156,07 | Abmessungen: | Ø 49,00 mm x Ø 40,60 mm x 3 mm | |

| | | | |
|-------------------------|--------------|---------------------|------|
| Ausführung: | Mit OV= gelb | | |
| Zeichnungs.-Nr.: | S 1005 | Rohmaterial: | HDPE |

| | |
|-------------------|---|
| Prägungen: | Datumsuhr, Recyclingzeichen, KTH-Kürzel |
|-------------------|---|

| | |
|--------------------------|--------------|
| Gewicht komplett: | 19,0 g ± 1 g |
|--------------------------|--------------|

| | | |
|--|---------------|---|
| Orientierungswert für den Anzugsdrehmoment in Nm mit PE-Schaum Dichtung | SK 51 / 20 Nm | Diese Angabe entbindet dem Verwender nicht seine eigenen Tests in Bezug auf Dichtigkeit und Eignung zu ermitteln. |
|--|---------------|---|

| | |
|--------------------------------------|--|
| Physiologische Eigenschaften: | <p>Nach den Vorinformationen unserer Lieferanten, entsprechen die von uns eingesetzten Ausgangsstoffe, den folgenden EG-Verordnungen 10/2011/EG und 1935/2004/EG, den EG-Richtlinien 2002/72 und 2007/19/EG über Materialien und Gegenstände, die dazu bestimmt sind, mit Lebensmitteln in Berührung zu kommen.</p> <p>(Für die Richtigkeit unserer Angaben, dienen die im Anhang aufgeführten Bescheinigungen unserer Lieferanten).</p> <p>Es ist in der Verantwortung der Gebrauchsartikelhersteller für Lebensmittelkontakt, sowie des Lebensmittelverpackers, dass diese Artikel die auferlegten Anforderungen bezüglich oben genannter Richtlinien im tatsächlichen Gebrauch entsprechend erfüllen.</p> |
|--------------------------------------|--|

| | |
|-----------------------|--|
| Verwertbarkeit | <ul style="list-style-type: none"> - Das Produkt ist recycelfähig und energetisch verwertbar. - Ab dem Datum der Herstellung, sichtbar an der Datumsuhr, beträgt die Verwendungsdauer/Gebrauchsdauer unserer Verschlüsse 5 Jahre |
|-----------------------|--|

| | | |
|----------------------------|------------------------------|---|
| Verpackungseinheit: | 800 Stück/Karton und PE-Sack | 20 Karton/Palette mit PE-Folie umwickelt (gestretcht) auf Euro-Palette. |
|----------------------------|------------------------------|---|

| | | |
|--|---|--|
| Kennzeichnung der Verpackungseinheit: | Mit weißem Etikett und gelben Versand-Kontrolletikett | |
|--|---|--|



Product Regulatory Overview (PRO)
Lotrène® Q 50100 Polyethylene



Product Manufacturer

Qatar Chemical Company Ltd

Chemical Inventories

All the components of this product are listed on

AUSTRALIA: Australian Inventory of Chemical Substances (AICS)

CANADA: Domestic Substances List (DSL)

PEOPLE'S REPUBLIC OF CHINA: Inventory of Existing Chemical Substances

EUROPEAN UNION: All necessary components have been registered according to Regulation (EU) No. 1907/2006 (REACH)

SWITZERLAND: Exemptions from the obligation to notify/register

JAPAN: Existing & New Chemical Substances (ENCS) Inventory

KOREA: Existing Chemicals List (ECL): A substance(s) in this product was not registered, notified to be registered, or exempted from registration by Q-Chem according to K-REACH regulations.

Importation or manufacture of this product is still permitted provided the Korean Importer of Record has themselves notified the substance

PHILIPPINES: Philippine Inventory of Chemicals and Chemical Substances (PICCS)

NEW ZEALAND: Inventory of Chemical Substances (NZIoCS)

TAIWAN: Taiwan Chemical Substance Inventory (TCSI)

UNITED STATES: On or in compliance with the active portion of the Toxic Substances Control Act (TSCA) Chemical Inventory

Food Contact

It is the responsibility of the packaging converter or food packager to verify that the finished article meets both the technical and regulatory requirements of the intended application

U.S. FDA Food Contact

This product meets the requirements for polyolefin resins intended for food packaging applications as described in the FDA regulation 21 CFR 177.1520(c)3.2a. The resin may be used in contact with all types of foods as defined in Table 1, 21 CFR 176.170(c) and at use conditions B-H as defined in Table 2, 21 CFR 176.170(c).

This product is produced in accordance with good manufacturing practices (GMP) as outlined in 21 CFR 174.5.

European Union (EU) Food Contact

The monomer(s) and the additive(s) of this resin are listed in Commission Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food and all its Amendments.

This product was tested for overall migration compliance, as well as tested and calculated for specific migration compliance per Commission Regulation (EU) No 10/2011. The tested sample thickness was 3.175 mm (125 mils). The surface-to-volume ratio was 1 dm² sample to 1dl simulant.

For measuring the overall migration levels, this product was tested with 3% acetic acid for 10 days at 40°C, with 10% ethanol for 10 days at 40°C, and with olive oil for 10 days at 40°C. The overall



Product Regulatory Overview (PRO)
Lotrène® Q 50100 Polyethylene



migration levels are all lower than 1.0 mg/dm², and meet the overall migration limit (OML) of 10 mg/dm².

For measuring the specific migration levels, this product was tested with isooctane for 10 days at 20°C. With food simulants of 3% acetic acid for 10 days at 60°C, with 10% ethanol for 10 days at 60°C, and with olive oil for 10 days at 60°C, the specific migration levels were expected to be lower than the measured levels in isooctane for 10 days at 20°C. This product met the specific migration limits (SML).

This product does not contain any dual-use additive per Regulation (EC) No 1333/2008 and its Amendments.

This product meets the requirements of Framework Regulation (EC) No 1935/2004 on materials and articles intended to come into contact with food.

This product is produced in accordance with good manufacturing practice (GMP) as outlined in GMP Regulation (EC) No 2023/2006.

Germany BfR Recommendations

This product meets the requirements on catalyst residues and residual decomposition products in German BfR Recommendations on Food Contact Materials III Polyethylene.

Canada Food Contact

A "Letter of No Objection" for this product has been approved by Health Canada. This product may be used as a food-contact article such as bottle, food pail, cap, film, coating, and casing under and at the temperature of 212 °F (100 °C) for all types of food. KS10100709

Mercosur Food Contact

The monomer(s) and the additive(s) of this resin are listed in Mercosur /GMC/Res. N° 02/12, and Mercosur/GMC/Res. N° 39/19.

U.S. Pharmacopeia (USP)

This product meets the standards set by the United States Pharmacopoeia USP 39 <87> Biological Reactivity Tests, in Vitro.

This product meets the standards set by the United States Pharmacopoeia USP 39 <661.1> Plastic Materials of Construction – *Identification, Physicochemical, and Extractable Metals tests*.

European Pharmacopoeia (EUP)

This product has not been tested under any EU Pharmacopoeia guidelines. This product contains a substance not listed in EU 3.1.13.

Regulation 1223/2009 of 2009-11-30 on Cosmetic Products

Regulation 1223/2009 is not applicable to this product that is used as a raw material for manufacturing cosmetic containers.



Product Regulatory Overview (PRO)
Lotrène® Q 50100 Polyethylene



EU Classification and Labeling

This product is not a dangerous substance according to Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.

Animal-Derived Materials (ADM)/ BSE/TSE

No animal-derived materials are used in the manufacture or formulation of this product. This product can be considered free from bovine spongiform encephalopathy (BSE) and other transmissible spongiform encephalopathies (TSE).

Kosher

No animal-derived materials are used in the manufacture or formulation of this product and as such no materials of porcine/pigs, fish, shellfish, rabbits, reptiles, blood, or derived from blood are used. No grape, grape derived, ethanol, or ethanol derived materials are used. Q-Chem has established manufacturing practices to assure that the quality of the product is maintained during manufacture and distribution. Qatar Chemical Company Ltd has not made any efforts to certify its Polyethylene resins as Kosher or in compliance with Kosher guidelines.

Halal

No animal-derived materials are used in the manufacture or formulation of this product and as such no materials of ruminant animals (bovine/cattle, caprine/goat, ovine/sheep), non-ruminant animals (humans, insects, fish, porcine, poultry), blood, or derived from blood are used. No ethanol, ethanol derived materials or fermented materials are used in the manufacture of this product. Qatar Chemical Company Ltd has not made any efforts to certify its Polyethylene resins as Halal or in compliance with Halal guidelines.

California's Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65)

This product, as shipped, does not contain any carcinogens or reproductive toxins presently known by the State of California to cause cancer or reproductive toxicity at a level of exposure subject to the requirements of California Proposition 65.

Consumer Product Safety Improvement Act of 2008 (H.R. 4040)

This product does not contain lead and phthalates. It therefore complies with the relevant sections of the Consumer Product Safety Improvement Act of 2008 (H.R. 4040).

Clean Air

This product does not contain any ozone depleting substances, including those listed in Regulation (EC) No 1005/2009.

This product does not contain any of the following substances regulated by the Clean Air Act:

- Class I or Class II Ozone-Depleting Substances (CAA Section 602)
- Accidental Release Prevention Substances (CAA Section 112(r))



Product Regulatory Overview (PRO) Lotrène® Q 50100 Polyethylene



Heavy metals, RoHS, WEEE, Waste packaging, CONEG

No heavy metals (i.e., antimony, arsenic, barium, cadmium, chromium, lead, mercury, selenium, or silver) are purposely added to this product in quantities that would violate governmental guidelines. The summation of lead, cadmium, mercury, and hexavalent chromium in this product is less than 20 ppm. No polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), Deca Brominated Diphenyl Ethers (Deca BDE), or phthalates are intentionally added to this product. This product therefore meets the relevant requirements of the following Directives or Regulations:

- Directive (EU) 2017/2102, 2015/863, 2011/65/EU and 2002/95/EC (RoHS)
- China RoHS directive SJ/T 11363-2006
- 2002/96/EC and 2012/19/EU (WEEE)
- 2000/53/EC (ELV)
- 94/62/EC, 2005/20/EC, and 2013/2/EU (Packaging Waste Directive)
- USA CONEG Regulation / Model Toxics in Packaging Legislation
- California Toxics in Packaging Prevention Act

Toys

This product complies with the requirements of ASTM F963, EN 71-3, EN71-9, EU Directives 2005/84/EC and 2009/48/EC.

Phthalates

No phthalates, including di-(2-ethylhexyl) phthalate (DEHP), dibutyl phthalate (DBP), benzyl butyl phthalate (BBP), diisononyl phthalate (DINP), diisodecyl phthalate (DIDP), di-n-octyl phthalate (DNOP), diisobutyl phthalate (DIBP), dimethyl phthalate (DMP), and diethyl phthalate (DEP) are intentionally added to this product. This product therefore meets the requirements of the Consumer Product Safety Improvement Act of 2008 and EU Directive 2005/84/EC.

European Chemicals Agency (ECHA) Substances of Concern

This product does not contain any Substances of Very High Concern (SVHC) as listed on the candidate list published by ECHA as of 16 January 2020. This product does not contain substances restricted under REACH Annex XVII (Restricted Substances List) or subject to authorization under REACH Annex XIV (Authorization List).

Canadian Environmental Protection Act (CEPA) “Challenge” Substances

This product does not contain any high priority chemical substances listed on the “Challenge” Substance Batches as issued by CEPA.

Nanomaterial

This product is not a nanomaterial and does not contain any intentionally added functional nanoparticles.

Conflict Minerals

Neither tantalum, tin, gold, and tungsten, nor the minerals associated with these metals (Columbite-Tantalite, Cassiterite, Gold, or Wolframite) are intentionally added to this product. These substances are not necessary to the production of this product.



Product Regulatory Overview (PRO)
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Absence of Substances and Chemicals

None of the following substances are used as additives or raw materials in the manufacture of this product:

- Abietic acid
- Acrylamide
- Acrylonitrile or acrylonitrile co-polymers
- Aflatoxin and Mycotoxin; or derivatives of these substances
- Alkylphenols
- Alkylphenol Ethoxylates, including nonylphenol ethoxylate and octylphenol ethoxylate
- Allergens, including but not limited to those listed in EU Regulation 1169/2011, Directives 2000/13/EC, 2003/89/EC, and Section B.01.010.1 (1) of Canadian Regulation C.R.C., c. 870 such as: peanuts, tree nuts, milk, eggs, wheat gluten, soybeans, fish and shellfish
- Aromatic amines
- Asbestos
- Azo compounds
- 2,2-Bis(4-hydroxyphenyl)propane bis(2,3-epoxypropyl) ether (BADGE), Bis(hydroxyphenyl)methane bis(2,3-epoxypropyl) ether (BFDGE), and/or Novolac glycidyl ethers (NOGE)
- Biocides
- Bisphenol compounds, including but not limited to: BPA, BPAF, BPB, BPC, BPE, BPF, BPH, BPS, and BPZ
- Brominated or halogenated flame retardants
- Butylated Hydroxytoluene (BHT), Butylated Hydroxyanisole (BHA), and Tertiary butylhydroquinone (TBHQ)
- Chlorofluorocarbons (CFC), hydrochlorofluorocarbons (HCFC), hydrofluorocarbons (HFC)
- Chlorinated paraffins, Chlorinated hydrocarbons
- Colorants or pigments
- Cyanuric acid
- Di(ethylhexyl) adipate (DEHA), diethyl hydroxyl amine (DEHA), or di(ethylhexyl)maleate (DEHM)
- Dimethylfumarate (DMF)
- Dioxins or furans; or derivatives of these substances
- Endocrine disruptors
- Epoxy derivatives listed in EU Directives 2002/16/EC and 1895/2005
- Epoxidised Soybean Oil
- FDA Banned Food Additives: benzophenone, ethyl acrylate, eugenyl methyl ether, myrcene, pulegone, pyridine, styrene
- Formaldehyde
- Fungicides or fumigants
- Genetically-modified organisms (GMO)
- Halogens



Product Regulatory Overview (PRO)
Lotrène® Q 50100 Polyethylene



- Human materials or derivatives of human materials
- Materials derived from plants
- Melamine
- Methyl bromide
- Mineral Oil Saturated Hydrocarbons (MOSH) or Mineral Oil Aromatic Hydrocarbons (MOAH)
- Natural rubber latex, dry natural rubber, or synthetic latex
- Nitrites, Nitrates, Nitrosamines, Nitrosamines impurities: N-nitrosodimethylamine (NDMA), N-Nitrosodiethylamine (NDEA), N-diisopropylnitrosoamine (NDIPA), N-ethyl-N-isopropylnitrosoamine (NEIPA); or nitrosating reagent NaNO_2 .
- Nitrocellulose
- Nonyl phenol (NP)
- Optical brighteners
- Organotin compounds
- Ozone-depleting chemicals
- Parabens
- Poly- and perfluoroalkyl substances (PFAS), as perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS)
- Pesticides and fungicides
- Photoinitiators, including: benzophenone, hydroxybenzophenone, and 4-methylbenzophenone, and Isopropylthioxanthone (ITX)
- Plasticizers
- Polycyclic aromatic hydrocarbons (PAH), also called polyaromatic hydrocarbons
- Polybrominated Diphenyl Ethers (PBDEs) included: decaBDE, octaBDE, and pentaBDE
- Polycarbonates
- Polychlorinated and Polybrominated Biphenyls (PCBs and PBBs)
- Polychlorinated and Polybrominated Terphenyls (PCTs and PBTs)
- Polydimethylsiloxane (PDMS)
- Radioactive Substances
- Recycled materials
- Silicone
- Sulfonamides
- Triclosan (2,4,4'-trichloro-2'-hydroxydiphenylether), Triclocarban
- Tris-Nonylphenol Phosphite (TNPP)
- Vinylidene chloride (Dichloroethene), Vinyl Chloride Monomer (VCM), Polyvinyl Chloride (PVC), Polyvinylidene Dichloride (PVDC) or copolymers

It is the responsibility of the customer to check compliance of the final articles with the relevant legislative and applicable regulatory requirements including their restrictions.

Disclaimer: *Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited and the information is applicable to the user's specific application. Qatar Chemical Company Ltd,*



Product Regulatory Overview (PRO)
Lotrène® Q 50100 Polyethylene



do not make, and expressly disclaim, all warranties, including warranties of merchantability or fitness for a particular purpose, regardless of whether oral or written, express or implied, or allegedly arising from any usage of any trade or from any course of dealing in connection with the use of the information contained herein or the product itself. The user expressly assumes all risk and liability, whether based in contract, tort or otherwise, in connection with the use of the information contained herein or the product itself. Further, information contained herein is given without reference to any intellectual property issues, as well as federal, state or local laws which may be encountered in the use thereof. Such questions should be investigated by the user.

DECLARATION

Date: July 17, 2022

Reference No. QCHEM/000453/2022.

M/s Muntajat/Qatar

Subject: POLYETHYLENE - Lotrène® Q 50100

Qatar Chemical Company Limited (Q-Chem) and Qatar Chemical Company II Limited (Q-Chem II) can state that Lotrène® Q 50100 Polyethylene, as shipped, do not contain any of 4-Methylbenzylidene.

These substances are not used in the formulation of this product.



Mohammed A Al-Qahtani
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Qatar Chemical Company Ltd (Q-Chem)
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Fax: +974 4476 7171

DECLARATION

Date: Nov 09, 2021

Reference No. QCHEM/00426/2021

M/s Muntajat/Qatar

Subject: POLYETHYLENE - Lotrène® Q 50100

Qatar Chemical Company Limited (Q-Chem) and Qatar Chemical Company II Limited (Q-Chem II) can state that Lotrène® Q 50100 Polyethylene, as shipped, does not contain any of List below.

- DecaBDE CAS No . :1163-19-5
- PIP CAS No : 68937-41-7
- 2,4,6-TTBP CAS No : 732-26-3
- PCTP CAS No : 133-49-3
- HCBP CAS No : 87-68-3

These substances are not used in the formulation of this product.

Regarding to substance Titanium dioxide CAS No: 13463-67-7 , will not exceed More than = 0.06%



Mohammed A Al-Qahtani
Senior Product Compliance & Regulatory Specialist
Qatar Chemical Company Ltd (Q-Chem)
P.O. Box 24646, Doha, Qatar
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Fax: +974 4476 7171

Date: 26 Jan 2021

Reference no. QCHEM/00378/2021

M/s Muntajat/Qatar/Netherlands

Subject: Lotrène® HDPE & MDPE

To Whom It May Concern,

Based on current and available information, our products Lotrène® HDPE & MDPE do not contain any Substances of Very High Concern (SVHC) as listed on the candidate list published by ECHA as of 19 Jan 2021.

<https://echa.europa.eu/-/candidate-list-update-four-new-hazardous-chemicals-to-be-phased-out>

We do not use SVHC in the process, nor are they part of the raw materials used to manufacture the Lotrène® Polyethylene in Q-Chem and Q-Chem II.

If you have any further questions, please contact us or send your query to REACH@muntajatbv.com

Sincerely,



Mohammed A Al-Qahtani
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Farbkonzentrate und Additive für Thermoplaste

Technisches Datenblatt

Artikel-Nr.: 240003
Bezeichnung: Masterbatch schwarz

Farbwerte (Erst- bzw. Urmuster)

Helligkeit L: 27,25
rot/grün a: -0,05
gelb/blau b: -0,28

Musterungsmedium /-bedingungen

HDPE Hostalen GC 7260, 2% Zugabe
Tageslicht D 65/10° (Beobachter)

Technische Daten

| | Wert | Einheit |
|-----------------------|------|-------------------------|
| Temperaturstabilität: | 300 | °C |
| Lichtechtheit: | 8 | Wollskala (von 1 bis 8) |
| Schmelzpunkt ca.: | 110 | °C |
| Empfohlene Dosierung: | 2 | % |

Inhaltsstoffe

Farbmittel: anorganisch
Füllstoffe: ja
Schwermetalle: nein, gemäß REACH 1907/2006/EG
Ein Sicherheitsdatenblatt und eine Konformitätserklärung sind auf Anfrage erhältlich

Einsatzbereich

Das Farbkonzentrat ist zur Herstellung von Spritzguss- und Extrusionsartikeln geeignet. Aufgrund der unterschiedlichen Eigenfarbe und Anforderungen an die eingesetzten Rohstoffe sollte für eine technische und farbliche Freigabe eine vorherige Musterung durchgeführt werden. Wegen der hohen Pigmentqualität und der guten Dispergierung kann das Masterbatch auch für die Herstellung von Folien ab 40 µm Dicke für die geeigneten Rohstoffe eingesetzt werden.

Geeignete Rohstoffe: PE,PP
Bedingt geeignete Rohstoffe: PVC,TPE,POM,PS,ABS,PBT,PA

Granulat- & Lieferform

Zylinder- oder Linsengranulat; verpackt zu 20kg oder 25 kg netto in Kastenventilsäcken
Lagerdauer: 2 Jahre bei sachgerechter Lagerung in geschlossenen Behältern
Lagerung: Material kühl, staubfrei, lichtgeschützt und trocken lagern

Die Angaben in dieser Druckschrift basieren auf unseren derzeitigen Kenntnissen und Erfahrungen. Sie befreien den Verarbeiter wegen der Fülle möglicher Einflüsse bei Verarbeitung und Anwendung unseres Produktes nicht von eigenen Prüfungen und Versuchen. Eine Garantie bestimmter Eigenschaften oder die Eignung des Produktes für einen konkreten Einsatzzweck kann aus unseren Angaben nicht abgeleitet werden. Alle hierin vorliegenden Beschreibungen, Daten, Verhältnisse, Gewichte u. ä. können sich ohne Vorankündigung ändern und stellen nicht die vertraglich vereinbarte Beschaffenheit des Produktes dar. Etwaige Schutzrechte sowie bestehende Gesetze und Bestimmungen sind vom Empfänger unseres Produktes in eigener Verantwortung zu beachten.
Versionsstand: 16.03.20

1. Products

Alveocel LA and LA S D65, D190 to D500

(Polyethylen - foam, color: 050 natural, 005 white)

2. Producer/Supplier

| | |
|----------|---|
| Country: |  Germany |
| Address: | Sekisui Alveo BS GmbH Haystrasse 14-20 DE - 55566 Bad Sobernheim |

3. Confirmation of Compliance

Our Polyethylene-foam products (foam, color: 050 natural, 005 white) of the product group

Alveocel LA and LA S D65, D190 to D500

comply with the requirements of Regulation (EU) No 10/2011 and of (framework) Regulation (EC) No 1935/2004, both as in force on the declaration's effective date (see header).

4. Specifications for products used in contact with food

a) Tested food simulants, test conditions and results:
(Performed by an accredited laboratory)

| | Food simulant | Abbreviation | Test conditions | | Migration limits (mg/dm²) |
|--------|---|------------------|-----------------|-------------|------------------------------|
| | | | time | temperature | |
| OML 1) | Ethanol 10 % (v/v) | Food simulant A | 10 d | 40 °C | < 10 |
| | Acetic acid 3 w% (w/v) | Food simulant B | 10 d | 40 °C | < 10 |
| | Vegetable oil | Food simulant D2 | 10 d | 40 °C | < 10 |
| SML 2) | Ethanol 10 % (v/v)* | Food simulant A | 10 d | 60 °C | see Section 4b) |
| | Acetic acid 3 w% (w/v)* | Food simulant B | 10 d | 60 °C | |
| | Vegetable oil* | Food simulant D2 | 10 d | 60 °C | |
| | * or alternatively: total content-in-product determination using GC/MS | | | | |

¹⁾ OML: Overall Migration Limit

²⁾ SML: Specific Migration Limit

b) Ingredients which are subject to limitations and/or specifications (according to Annex I and II of Regulation (EU) No 10/2011)

- Ingredients of the Union list – SML:

| | FCM subst. No | Ref. No | CAS No | Substance name | FRF ³⁾ applicable | SML [mg/kg] | Group restriction No | Restrictions, specifications, notes |
|------|---------------|---------|-----------|--|------------------------------|-------------|----------------------|-------------------------------------|
| FOAM | 141 | 13380 | 77-99-6 | 1,1,1-trimethylpropane | no | ≤ 6 | | |
| | | 25600 | | | | | | |
| | | 94960 | | | | | | |
| | 264 | 22660 | 111-66-0 | 1-octene | no | ≤ 15 | | |
| | 433 | 68320 | 2082-79-3 | octadecyl-3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate | yes | ≤ 6 | | |

³⁾ FRF is applicable for foods with fatty contents > 20%

The ratio of food contact surface area to volume should be max. 6 dm²/kg food.

- Group restrictions – SML:

| Group restriction no | FCM subst. no | SML (T) [mg/kg] | Group restriction specification |
|----------------------|---------------|-----------------|---------------------------------|
| None. | | | |

- Metals – SML:

| Substance name | SML [mg/kg] |
|----------------|-------------|
| None | |

- Migration of primary aromatic amines excluding those in the Unions list: Amount < 0.01 mg/kg

5. Applicability

Suitable to come into contact with the following foods:

| General | Examples* | Intended food contact conditions** |
|--|--|---|
| Foods with hydrophilic character | Non-alcoholic beverages, molasses, sugar syrups, honey, etc. | - Any long term storage at room temperature or below; - Heating up to 70 °C for up to 2 hours; - Heating up to 100 °C for up to 15 minutes; |
| - and pH < 4.5 | Ciders, fruit nectars, lemonades, etc. | |
| - and an alcohol content of up to 20 % | Alcoholic beverages of an alcoholic strength of up to 20 %vol, etc. | |
| Foods with lipophilic character | Cakes, bread, chocolate, etc. | |
| - and alcoholic content of above 20 % | Alcoholic beverages of an alcoholic strength above 20 %vol, cream liquors, etc | |
| - oil in water emulsions | Mayonnaise, salad creams, etc. | |
| Foods which contain free fats at the surface | Nuts in paste or cream form, natural cheese, etc. | |

* Annex III Table 2 of Regulation (EU) No 10/2011

** Annex V Table 3 of Regulation (EU) No 10/2011

6. Ingredients which are subject to food additives restrictions (Dual Use Additives)

| FCM subst. Nr. | Substance name | CAS-Nr. | EC-Nr. | Restrictions / Limits | Theoretical migration value (calculated) | Purity criteria |
|----------------|--|------------|--------|---|--|---------------------------------|
| 610 | Titanium dioxide | 13436-67-7 | E 171 | Quantum salis (Directive 94/36/EC, Annex V, Part 1) | < 1 mg/kg | according to Directive 95/45/EC |
| 638 | Polyethylenglycol | 25322-68-3 | E 1521 | - | - | - |
| 37 | Fats and oils, hydrogenated, from animal or vegetable food sources | | | | | |
| 139 | Citric acid | 77-92-9 | E330 | | | |
| 21 | Carbonic acid, salts | | | | | |
| 395 | Calcium oxide | 1305-62-0 | E 529 | | | |
| | Monosodium citrate | | E 331 | | | |
| | Sodium bicarbonate | | E 500 | | | |
| | Calcium bicarbonate | | E 170 | | | |

7. Prepared / controlled by:

Date: 15.02.2023

Date: 15.02.2023

Prepared:

Controlled:



Sascha Paul
(Application Development Manager)
Sekisui Alveo AG



Fabian Leuthard
(Application Development Manager)
Sekisui Alveo AG

Comment:

This declaration does not include the updated Version (EU/2020/1245). COMMISSION REGULATION (EU) 2020/1245 amending and correcting Regulation (EU) No 10/2011 on plastic materials and articles intended to come into contact with food has been adopted on 2nd September 2020 with date of effect 23rd September 2020.

The transition to the new requirements is regulated by the Article 2 of Commission Regulation (EU) 2020/1245, as follow:

"Plastic materials and articles complying with Regulation (EU) No 10/2011 as applicable before the entry into force of this Regulation, and which were first placed on the market before 23rd March 2021 may continue to be placed on the market until 23rd September 2022 and remain on the market until the exhaustion of stocks".

We are evaluating the possible impacts on our product/s of your interest and we will provide updated information and DoC (Declaration of Compliance) well in advance the defined deadlines.

Regarding NIAS (non-intentionally-added-substances):

We did not do any special screening of NIAS. Relevant substances (mentioned by our raw material suppliers) regarding compliance were assessed according to Article 19 of the regulation EU/10/2011 and classified as harmless.

Disclaimer:

All Information concerning technical/physical/chemical data and properties of our semi-finished foams are in accordance to the current state of the art and drawn on measurements, publications and our practical experience. All information in this document is correct in good faith. We have no control over the application of our foams and no legal responsibility for inappropriate usage is accepted. Control and approval of the final product in due consideration of the actual application as well as of conformity with European and national regulations are the responsibility of the foam applicant. The manufacturer of products and articles in contact with food - made from our foams - must ensure that the end products or articles meet the general regulatory requirements and do not cause an unacceptable change in the composition of the food or deterioration in the organoleptic properties. Liability above the legal obligations is not accepted.

The present confirmation is valid until the amendment of the referring regulations, maximum 2 years starting from the validity date.

© Sekisui Alveo AG

Products: Alveocel LA and LAS - D65, D190 to D500 (natural, white)

Valid on : 15.02.2023 Max. valid until 14.02.2025 Document No.: 2023FOOD-EN-CEL-NATURAL-WHITE



شركة سيدى كرير للبتروكيماويات *Sidi Kerir Petrochemicals Co.*

Declaration of Compliance High Density Polyethylene Egypene Grades

March 2022

Dear valued customer,

This is a declaration of compliance from SIDPEC for the above products regarding the following topic:

Bisphenol

SIDPEC herewith certify that the above products do not contain in their composition any Bisphenol A/B/S/F.

Phthalates and Plasticisers

SIDPEC herewith certify that the above products do not contain in their composition any Phthalates and Plasticisers.

BSE / TSE

SIDPEC herewith certify that the above products do not contain in their composition any substances coming from animal sources BSE/TSE.

This declaration is limited to the above products only and doesn't refer to suitability of other additional substances that may be used with the products to manufacturer finished materials and articles.

VALIDITY DATE:

This document is valid for a maximum of one year as of the date of issue of the statement.

With best regards,

Chemist / Ehab Abu Elenien

Customer Service Sector Manager





شركة سيدى كرير للبتر وكيمائيات **Sidi Kerir Petrochemicals Co.**

Declaration of Compliance High Density Polyethylene Egyptene Grades

March 2022

Dear valued customer,

This is a declaration of compliance from SIDPEC for the above products regarding the following topic:

HOC's

SIDPEC herewith certify that the above products do not contain in their composition any Halogenated Organic Chemicals (HOC's).

PVC / PVDC

SIDPEC herewith certify that the above products do not contain in their composition any PVC / PVDC.

Nano materials/ particles

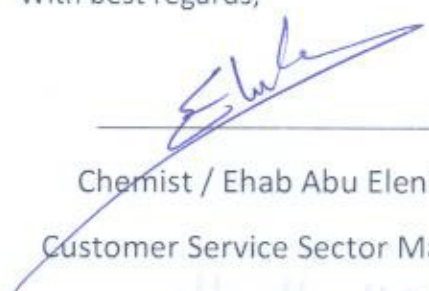
SIDPEC herewith certify that the above products do not contain in their composition any Nano materials/ particles.

This declaration is limited to the above products only and doesn't refer to suitability of other additional substances that may be used with the products to manufacturer finished materials and articles.

VALIDITY DATE:

This document is valid for a maximum of one year as of the date of issue of the statement.

With best regards,


Chemist / Ehab Abu Elenien

Customer Service Sector Manager







شركة سيدى كرير للبتروكيماويات *Sidi Kerir Petrochemicals Co.*

Declaration of Compliance High Density Polyethylene Egyptene Grades

March 2022

Dear valued customer,

This is a declaration of compliance from SIDPEC for the above products regarding the following topic:

CMR

CMR is carcinogenic, mutagenic or toxic and none of the additives used on the manufacture process of this products is dangerous to the environment.

GMO

SIDPEC herewith certify that the above products do not contain in their composition any GMO (Genetically modified organisms or products).

natural rubber

SIDPEC herewith certify that the above products do not contain in their composition any natural rubber.

This declaration is limited to the above products only and doesn't refer to suitability of other additional substances that may be used with the products to manufacturer finished materials and articles.

VALIDITY DATE:

This document is valid for a maximum of one year as of the date of issue of the statement.

With best regards,


Chemist / Ehab Abu Elenien

Customer Service Sector Manager



Ahmed Hamdy



شركة سيدى كرير للبتروكيماويات Sidi Kerir Petrochemicals Co.

Declaration of Compliance High Density Polyethylene Egyptene Grades

March 2022

Dear valued customer,

This is a declaration of compliance from SIDPEC for the above products regarding the following topic:

Silicones

SIDPEC herewith certify that the above products do not contain in their composition any Silicones.

POPs

SIDPEC herewith certify that the above products do not contain in their composition any POPs: persistent organic pollutants according to REGULATION (EU) 2019/1021.

Conflict-Minerals

SIDPEC herewith certify that the above products do not contain in their composition any of the minerals that mentioned in the conflict-minerals declaration.

This declaration is limited to the above products only and doesn't refer to suitability of other additional substances that may be used with the products to manufacturer finished materials and articles.

VALIDITY DATE:

This document is valid for a maximum of one year as of the date of issue of the statement.

With best regards,


Chemist / Ehab Abu Elenien

Customer Service Sector Manager







شركة سيدى كيرير للبتر وكيمائيات Sidi Kerir Petrochemicals Co.

Declaration of Compliance High Density Polyethylene Egyptene Grades

March 2022

Dear valued customer,

This is a declaration of compliance from SIDPEC for the above products regarding the following topic:

Heavy Metals

Regarding to the Europe parliament and Council Directive 94/62/EC of 20 December 1994 on packing and packing waste ("Packing and Packing Waste Directive"), and changes EG 2004/12 and EG 2005/20.

SIDPEC confirms that the sum of the concentrations of the following heavy metals:

Mercury, Lead, Cadmium and hexavalent chromium, in the above products does not exceed 100 parts per million by weight.

Trace levels of these substances may be present as a result of the specific characteristics of the raw materials and/or of the manufacturing process.

MOSH

Our products do not contain in their composition any mineral oil saturated hydrocarbon (MOSH).

MOAH

Our products do not contain in their composition any mineral oil aromatic hydrocarbon (MOAH).

This declaration is limited to the above products only and doesn't refer to suitability of other additional substances that may be used with the products to manufacturer finished materials and articles.

VALIDITY DATE:

This document is valid for a maximum of one year as of the date of issue of the statement.

With best regards,


Chemist / Ehab Abu Elenien

Customer Service Sector Manager



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P.O. Box: 743 Alexandria

E-mail: info@sidpec.com

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ص.ب : ٧٤٣ الإسكندرية



شركة سيدى كير للبتروكيماويات **Sidi Kerir Petrochemicals Co.**

Declaration of Compliance High Density Polyethylene Egyptene Grades

March 2022

Dear valued customer,

This is a declaration of compliance from SIDPEC for the above products regarding the following topic:

California Proposition 65

SIDPEC herewith certify that the above products do not contain in their composition any chemicals which are listed on California's Safe Drinking Water & Toxic Enforcement Act of 1986. This Act (last updated on February 25, 2022, commonly known as Proposition 65 (Prop 65)).

Hazardous Waste

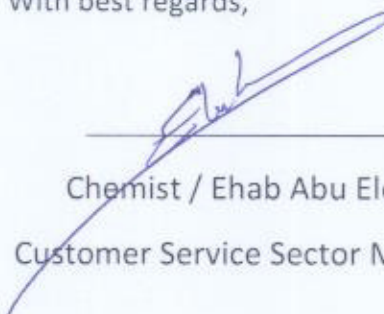
SIDPEC herewith certify that the above products do not contain in their composition any chemicals which are listed according to "EPA Waste Minimization Priority Chemical list", Bio accumulative and toxic chemical (PBT's).

This declaration is limited to the above products only and doesn't refer to suitability of other additional substances that may be used with the products to manufacturer finished materials and articles.

VALIDITY DATE:

This document is valid for a maximum of one year as of the date of issue of the statement.

With best regards,


Chemist / Ehab Abu Elenien

Customer Service Sector Manager



Ahmed Hamdy



شركة سيدى كيرير للبترولوكيماويات Sidi Kerir Petrochemicals Co.

Declaration of Compliance High Density Polyethylene Egyptene Grades

March 2022

Dear valued customer,

This is a declaration of compliance from SIDPEC for the above products regarding the following topic:

WEEE

According to the European Parliament and the Council on the review of the scope of Directive 2012/19/EU on waste electrical and electronic equipment (the new WEEE Directive). It includes entries requiring disposal or recovery in compliance with Directive 2008/98/EC and, for listed WEEE components in Annex VII (last updated 11 March 2020).

SIDPEC herewith certify that the above products do not contain any of the following substances **asbestos waste and components which contain asbestos, chlorofluorocarbons (CFC), components containing refractory ceramic fibers, mercury containing components and polychlorinated biphenyls (PCBs) containing capacitors.**

EC Regulation 1895/2005

Concerning certain epoxy derivatives is applicable to plastics, surface coatings and adhesives.

SIDPEC herewith certify that the above products do not contain any of the following substances:
(bis(hydroxyphenyl)methane, bis 2,3-epoxypropyl) ethers, novolac glycidyl ethers, 2,2-bis(4hydroxyphenyl) propane, BADGE-HCl.

This declaration is limited to the above products only and doesn't refer to suitability of other additional substances that may be used with the products to manufacturer finished materials and articles.

VALIDITY DATE:

This document is valid for a maximum of one year as of the date of issue of the statement.

With best regards,

Chemist / Ehab Abu Elenien

Customer Service Sector Manager



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شركة سيدى كرير للبتروكيماويات Sidi Kerir Petrochemicals Co.

Declaration of Compliance High Density Polyethylene Egyptene Grades

March 2022

Dear valued customer,

This is a declaration of compliance from SIDPEC for the above products regarding the following topic:

Packaging and Packaging Waste

94/62/EC, 2004/12/EC (Packaging and Packaging Waste .Derogation for plastic crates and pallets from the heavy metal concentration Limits) and Coneg, please find the Heavy Metals declaration.

Allergenic Ingredients


SIDPEC herewith certify that the above products do not contain in their composition any allergenic ingredients such as: tree nuts, peanut products, soybean products, egg products, milk products, fish, shellfish, wheat products, sunflower seeds, poppy seeds, sesame seeds or sulfites and/or allergenic in cosmetics such as: fragrances, preservatives, dyes.

This declaration is limited to the above products only and doesn't refer to suitability of other additional substances that may be used with the products to manufacturer finished materials and articles.

VALIDITY DATE:

This document is valid for a maximum of one year as of the date of issue of the statement.

With best regards,


Chemist / Ehab Abu Elenien

Customer Service Sector Manager







شركة سيدى كير للبتروكيماويات **Sidi Kerir Petrochemicals Co.**

Declaration of Compliance High Density Polyethylene Egyptene Grades

March 2022

Dear valued customer,

This is a declaration of compliance from SIDPEC for the above products regarding the following topic:

Substances / Chemicals / Additives

SIDPEC herewith certify that the above products do not contain in their composition any:

Nuts and derivatives (eg. Almonds, hazelnuts, walnuts, cashew nuts, pecans, Barzil nuts, pistachios, macadamia nuts.

Phenol, bisphenol compounds, including BPA, BPAF, BPC, BPE, BPF, BPH, BPS and BPZ.

Antimony trioxide-Diphenyl ethers- Natamycin- Styrene- Perfluorinated- BHA- BHT - Benzophenone,4- Methylbenzophenone,4- Hydroxybenzophenone, ITX, TXIB- Dimethyl fumarateo.

Celery, Mustard, Sesame, Sulfur Dioxide, Lupins, Mollusks.

Additives such as: carbon black, titanium dioxyde, calcium carbonate, oxygen absorber, PTN barrier, PGA barrier / Substances present at the nanoscale).

This declaration is limited to the above products only and doesn't refer to suitability of other additional substances that may be used with the products to manufacturer finished materials and articles.

VALIDITY DATE:

This document is valid for a maximum of one year as of the date of issue of the statement.

With best regards,


Chemist / Ehab Abu Elenien

Customer Service Sector Manager







شركة سيدى كير للبتروكيماويات *Sidi Kerir Petrochemicals Co.*

Declaration of Compliance High Density Polyethylene Egyptene Grades

March 2022

Dear valued customer,

This is a declaration of compliance from SIDPEC for the above products regarding the following topic:

PFOA / PFOS / PFAS / PFNA

SIDPEC herewith certify that the above products do not contain in their composition any Perfluorooctanoic acid (PFOA) and/or Perfluorooctane sulfonic acid (PFOS) and/or perfluoroalkyls(PFAS) and/or perfluorononanoic acid (PFNA) and its salts.

Endocrine disruptors

SIDPEC herewith certify that the above products do not contain in their composition any endocrine disruptors.

This declaration is limited to the above products only and doesn't refer to suitability of other additional substances that may be used with the products to manufacturer finished materials and articles.

VALIDITY DATE:

This document is valid for a maximum of one year as of the date of issue of the statement.

With best regards,



Chemist / Ehab Abu Elenien

Customer Service Sector Manager





شركة سيدى كرير للبتروكيماويات *Sidi Kerir Petrochemicals Co.*

Declaration of Compliance High Density Polyethylene Egyptene Grades

March 2022

Dear valued customer,

This is a declaration of compliance from SIDPEC for the above products regarding the following topic:

ROHS

According to Directive 2011/65/EU of the European parliament and of the council of 8 June 2011, published June 4, 2015 and Directive (EU) 2017/2102, published on November 15, 2017 on the restriction of the use of certain hazardous substances in electrical and electronic equipment, also according Directive to 2015/863 which known as RoHS 3. RoHS 3 adds four additional restricted substances (phthalates) to the list.

SIDPEC herewith certify that the above products do not contain any of the following substances Lead, Mercury, hexavalent chromium, Polybrominated Biphenyls(PBB),Polybrominated Diphenyl Ethers (PBDE), Bis(2-Ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) exceeding the limit of 0.1%, and the Cadmium concentration does not exceed the limit of 0.01%.

This declaration is limited to the above product only and doesn't refer to suitability of other additional substances that may be used with the product to manufacturer finished materials and articles.

Validity Date:

This document is valid for a maximum of one year as of the date of issue of the statement.

With best regards,

Chemist / Ehab Abu Elenien
Customer Service Sector Manager



Ahmed Hamdy

Food Contact Statement

(Europe/USA)



Product: HT-MAB PE 11008 000101326/V1.3/sp
Date: 28.10.2021 page 1

Company: Treffert GmbH & Co. KG
In der Weide 17
55411 Bingen-Sponsheim, Germany

Product designation: HT-MAB PE 11008
Product number: 110.11008

Food contact - Europe and Germany

As a manufacturer of masterbatches and compounds Treffert has a traceability system in place in relation with the requirements of the European Regulation 1935/2004/EC and a Quality Assurance system in place, which is in compliance with the requirements of the European Commission Regulation 2023/2006/EC on Good Manufacturing Practices for materials and articles intended to come into contact with food.

The colorants used for the production of the above mentioned product meet the purity requirements of the CE Resolution AP (89) 1 (On the use of colorants in plastic materials coming into contact with food) and/or the Recommendation IX of the German Federal Institute for risk assessment (BfR) (Rev. of 01.02.2015).

The product contains polymers and additives, which are in compliance with Commission Regulation (EU) No. 10/2011 amended up to the Regulation (EU) No. 2020/1245.

A specific migration limit (SML) is applicable for the following substances:

| | |
|--------|---------------------|
| Barium | SML (T) = 1.0 mg/kg |
| Zinc | SML (T) = 5.0 mg/kg |

Restrictions of use

| | |
|-------------------------------------|-----------------|
| max. let-down ratio of masterbatch: | no restrictions |
| food types: | no restrictions |
| temperature: | no restrictions |

The following non-intentionally added substances (NIAS) may be present or formed:

4-Amino-N-[4-(aminocarbonyl)phenyl]benzamide
5-Aminobenzimidazolone

The following dual-use additives may be present or formed:

E171 (titanium dioxide) - The type is not approved for food coloring, only for food contact materials

This product contains one or more intentionally added dual use additives. The identity of this/these substance(s) can be disclosed for testing purposes upon special request and under maintaining secrecy.

Food Contact Statement

(Europe/USA)



Product:
Date:

HT-MAB PE 11008
28.10.2021

000101326/V1.3/sp
page 2

Food contact - USA

The used materials are either subject to FCN, GRAS or listed in one of the following paragraphs of the 21 CFR according to the FDA.

21 CFR § 178.3297 Colorants for polymers
21 CFR § 177.1520 (c) 2.1 Olefin polymers

Restrictions of use

max. let-down ratio of masterbatch: 9.0 wt-%
food types: all food types (table 1, §176.170(c))
temperature: B-H (table 2, §176.170(c))

Treffert has not determined whether a final article will be in conformity with the limits. This statement is based on the information provided by the raw material suppliers.
When modifying the products, the client is responsible for carrying out its own inspections in order to ensure that the products, including the finished and semi-finished products created during the modification process, are suitable for the purposes of the client. In particular, this includes tests and experiments on the product's suitability for the intended type of modification with regards to its physical parameters. In this regard, Treffert cannot make any promises in connection with characteristics or provide any recommendations; any utterances of Treffert in this regard, including on measuring or modification, are non-binding. Suitability for modification by the client is not a contractually required product characteristic.
This confirmation expires in case of regulatory changes.

For further information, please contact productsafety@treffert.eu.

Best regards,

TREFFERT GmbH & Co. KG

S. Glaser
S. Petry