

# MULTIFLEX™ G60 A 11 BT 13893

STYRENIC THERMOPLASTIC ELASTOMER

## Regulatory Information Sheet

For

MULTIFLEX™ G60 A 11 BT 13893

Material description :

Thermoplastic Elastomers

### Content Table:

Food Contact, Drinking Water Contact and Toys  
Animal and Vegetal Origin, GMO, Allergen and Biocides  
Healthcare and Cosmetics Industry  
Electrical and Electronic Industry  
Automotive Industry  
Other Industries  
Waste, Recycling and Recovery  
Chemical Constituents

This document provides a summary of available information. In certain cases it may not respond to all questions. The amount of information requested in a number of inquiries suggests, that the intent is to establish a regulatory profile of a given material. If this is the case, not all of the required information may be relevant for the currently intended material use. We will be glad to further investigate missing information but would like to ask you to reconfirm which of the missing information is critical for your use.

Issued: 20-Mar-2024

Revised: 30-Jan-2024

Page: 1 of 13

The information set forth herein is furnished free of charge, is based on technical data that DuPont believes to be reliable, and represents typical values that fall within the normal range of properties. This information relates only to the specific material designated and may not be valid for such material used in combination with other materials or in other processes. It is intended for use by persons having technical skill, at their own discretion and risk. This information should not be used to establish specification limits nor used alone as the basis of design. Handling precaution information is given with the understanding that those using it will satisfy themselves that their particular conditions of use present no health or safety hazards and comply with applicable law. Since conditions of product use and disposal are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information. As with any product, evaluation under end-use conditions prior to specification is essential. Nothing herein is to be taken as a license to operate or a recommendation to infringe on patents.

CAUTION: Do not use DuPont materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless the material has been provided from DuPont under a written contract or other acknowledgement that is consistent with the DuPont policy regarding medical applications and expressly acknowledges the contemplated use. For further information, please contact your DuPont representative.

DuPont's sole warranty is that our products will meet our standard sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, DUPONT SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, OR NON-INFRINGEMENT. DUPONT DISCLAIMS LIABILITY FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.



# MULTIFLEX™ G60 A 11 BT 13893

## STYRENIC THERMOPLASTIC ELASTOMER

### Basis for Declaration

All declarations are made versus the regulatory limits. For any lower declaration limits, please contact your DuPont representative.

The compositions of our products are considered as proprietary. In specific cases disclosure can be considered provided appropriate agreements are put in place.

In general we do not routinely analyse our products for compliance with the regulations mentioned below, nor do we require our raw material suppliers to do so.

Below information is based on review of current formulation, composition, manufacturing process and information supplied by vendors.

### Global Chemical Management Legislation

#### Chemical Inventory

All the constituents of the above product are listed for DuPont purposes, or exempted on the following Chemical Inventories (please contact your DuPont representative for information on potential restrictions, limitations or if you are directly importing the product yourself into a specific country) :

- US Toxic Substances Control Act (TSCA, Active Inventory)
- Australian Inventory of Industrial Chemicals (AIIC)
- Canadian Domestic Substances List (DSL)
- Inventory of Existing Chemical Substances in China (IECSC)
- Korean Existing Chemicals Inventory (KECI)
- Philippine Inventory of Chemicals & Chemical Substances (PICCS)
- Taiwan Chemical Substance Inventory (TCSI)

#### European Economic Area (EEA) - REACH Registration Status

REACH registration is the responsibility of the importer or manufacturer of the substance.

If you have purchased the above product from DuPont in the EEA, exported the product, and intend to re-import the product, DuPont or its suppliers have completely all required registrations. No further registration obligation is expected from the importer.

If you have purchased DuPont products outside the EEA and plan to import it into EEA, please contact your DuPont representative.



# MULTIFLEX™ G60 A 11 BT 13893

## STYRENIC THERMOPLASTIC ELASTOMER

### REACH SVHC

The European Chemicals Agency (ECHA) added additional substances to the Candidate List of Substances of Very High Concern (SVHC) on Jan 23rd, 2024.

The full list can be found here: <https://echa.europa.eu/candidate-list-table>.

In response to your inquiry, we have reviewed our available information regarding the presence of those substances in the products you purchase. Please find the relevant information in this letter.

Please assess any legal obligations you may have to communicate the presence of SVHC substances in your products, depending on the type of product that you manufacture. You can read more on requirements for articles on the ECHA website: <https://echa.europa.eu/regulations/reach/candidate-list-substances-in-articles>.

DuPont is in the process of updating its Safety Data Sheets (SDSs) for products which contain  $\geq 0.1\%$  of SVHC and will send them to customers as soon as they are available.

The above product contains Substances of Very High Concern listed in the REACH 'Candidate List' (published in accordance with Article 59(10) of the REACH Regulation) as amended as per revision date of the letter.

The above product does not contain any of the substances subject to authorization as listed on the Annex XIV of Regulation (EC) N° 1907/2006 as last amended on 11th April 2022 (Regulation (EU) 2022/586).

If present in this product, further information related to substances on REACH Annex XVII list can be found on the Safety Data Sheet (SDS), Article Information Sheet (AIS) or SVHC letter.

### Export control

The above product is not subject to US export control. It has been assigned with an ECCN of EAR99 under the US regulation.

No substance mentioned in the European Regulation (EC) N° 689/2008, Annex I, part 1 is added in excess of the limits set.

## Food Contact, Drinking Water Contact and Toys

### Good Manufacturing Practice for food contact

The requirements of the European Regulation (EC) n° 2023/2006 on Good Manufacturing Practice (GMP) for materials and articles intended to come into contact with food don't apply to the product above



# MULTIFLEX™ G60 A 11 BT 13893

## STYRENIC THERMOPLASTIC ELASTOMER

### Food Contact

The above product is not supported for food (FDA) applications in USA.  
The above product is not supported for food contact applications in Europe.  
The above product is not supported for food contact applications in China.

### Drinking Water Contact

The above product is not listed to be in contact with drinking water.

### Halal

The product mentioned above is not Halal certified.  
Please refer to the information concerning the presence of animal / vegetal ingredients.

### Kosher

The product mentioned above is not Kosher certified. Please refer to the information concerning the presence of animal / vegetal ingredients.

### Toys

Based on the assessment of its metal content we are of the opinion that above mentioned product meets the European Standard EN-71.3, although we have not performed the requested migration tests. In consideration of the European Directive 2009/48/EC, we recommend the selection for food contact compliant material grades.

For the USA, a relevant regulation is the Washington Administrative Code WAC 173-334-130 section, listing Chemicals of High Concern to Children (CHCC list). Please contact DuPont representative for further information.

For Japan, the use of materials in Toys is regulated. Please contact DuPont representative for further information.

### Animal and Vegetal Origin, GMO, Allergen and Biocides



# MULTIFLEX™ G60 A 11 BT 13893

## STYRENIC THERMOPLASTIC ELASTOMER

### Content of ingredients of potential animal origin

No additive of animal origin is added.

### Content of ingredients of potential vegetal origin

No additive of vegetal origin are added. No genetically modified organisms (GMO) as defined in 1829/2003/EC and 1830/2003/EC are added.

Additional information relative to the use of Genetically Modified Organisms/derived raw materials for the production of plastic materials and articles used in contact with food (APME/FCA/EuPC position)

Ingredients possibly derived from GMO-based materials are manufactured through multi-step conversion and /or purification processes, involving aggressive conditions like high temperature and pressure as well as action of chemically reactive substances.

In the case of plastic materials they are produced under high temperature conditions and are further submitted during conversion processes (extrusion, moulding) to high temperatures for a significant period of time. On the basis of current scientific knowledge, it can be stated that no DNA and no proteins from a given organism (genetically modified or not) can resist such a series of treatments.

Therefore, their presence is theoretically unexpected and in practice has not been detected.

### Allergen

No additives listed in the below referenced regulations are added.

Such as, but not limited to cereals containing gluten, crustacean shellfish (e.g., crab, lobster, or shrimp), eggs, fish and products thereof, peanuts, soybeans or products thereof, milk, nuts (e.g., almonds, pecans, or walnuts), celery, mustard, sesame seeds, sulphur dioxide and sulphites, lupin and molluscs.

### References:

‘Food Allergen Labelling and Consumer Protection Act of 2004’, Section 201 of the Federal Food, Drug and Cosmetic Act (21 U.S.C. 321).

ANNEX II, Substances or products causing Allergies or Intolerances , (EU) 1169/2011 of 25 October 2011, as amended.



# MULTIFLEX™ G60 A 11 BT 13893

## STYRENIC THERMOPLASTIC ELASTOMER

### Biocides content

No biocidal products\* are added.

\*reference to European Regulation No. 528/2012, Annex I

### Healthcare and Cosmetics Industry

#### Healthcare/Medical

Please refer to specific Healthcare or Medical grades available on request.

### Electrical and Electronic Industry

#### Waste Electric and Electronic Equipment (WEEE)

The material complies with the requirements of the European Directive 2012/19/EC (WEEE) and the Chinese Waste electrical and electronic equipment legislation as far as apply to substances.

#### Restriction of Hazardous Substances (RoHS) and other metals

Results of the various analytical testing, auditing and process analysis techniques or review of current chemical composition demonstrate that this material complies with the requirements of the Directive (EU) 2015/863 (RoHS 3) amending Annex II to directive 2011/65/EU (RoHS 2), 2003/11/EC (pentabromodiphenyl ether, octabromodiphenyl ether), the Chinese Standard GB/T 26572 – 2011 (Chinese RoHS 2, 2016) and the Act for Resource Recycling of Electrical and Electronic Equipment and Vehicles (Korea RoHS).

No metals\* and compounds thereof are added.

\* Antimony (Sb), Arsenic (As), Barium (Ba), Cadmium (Cd), hexavalent Chromium (CrVI), Lead (Pb), Mercury (Hg), Selenium (Se).

If present at all, the levels of cadmium (Cd), hexavalent chromium (CrVI), lead (Pb) and mercury (Hg) are below the 1994 CONEG guide-lines of 100 ppm (total amount), the limits of the European Directive 94/62/EC, and the European Directive 2004/12/EC, (Packaging Waste Directive) of 100 ppm (total amount), as well as the European Directive 2000/53/EC (ELV) as amended with the limits of 0.1% of Cr VI, Pb, Hg in homogeneous material and 0.01% of Cd and the European Directives 2011/65/EU (RoHS 2) / 2002/96/EC (WEEE) and the Chinese Waste



# MULTIFLEX™ G60 A 11 BT 13893

## STYRENIC THERMOPLASTIC ELASTOMER

Electrical and Electronic Equipment legislation and the Chinese Regulation SJ/T 11363-2006 (Chinese RoHS) of 1000 ppm per metal.

### Flame Retardants

During the manufacture of above product, neither polychlorinated biphenyls (PCB), nor polychlorinated triphenyls (PCT), nor polychlorinated dibenzodioxines (PCDD), nor polychlorinated dibenzofuranes (PCDF), nor polychlorinated biphenyl oxides/ester (PCBO/PCBE), nor polychlorinated diphenyl oxides/ester/ether (PCDO/PCDE), nor polybrominated biphenyls (PBB), nor polybrominated triphenyls (PBT), nor polybrominated biphenyl oxides/ester (PBBO/PBBE), nor polybrominated diphenyl oxides/ester/ether (PBDO/PBDE which include penta-, octa- and deca-BDE), nor polybrominated dibenzodioxines (PBDD), nor polybrominated dibenzofuranes (PBDF), nor Tetrabromobisphenol-A (TBBPA) are intentionally added.

Neither monomethyl dibromo diphenylmethane (DBBT), nor monomethyl dichloro diphenylmethane, nor monomethyl tetrachloro diphenylmethane, nor hexabromocyclododecane (HBCD or HBCDD), nor Tris (2,3 – dibromopropyl) phosphate (TRIS) are intentionally added.

Neither thiram (TMTD), nor triethyl phosphate are intentionally added.

The flame retardant system in flame retardant grades can be identified by the ISO 1043 code as mentioned on the front page of this document.

### Automotive Industry

#### End of Life Vehicle (ELV)

Based on test of representative samples of above or similar materials or compositional information it has been demonstrated that the above product complies with the requirements on heavy metals of the European Directive 2000/53/EC (End-of Life Vehicle directive) as amended.

#### GADSL - Global Automotive Declarable Substances List

As reference for substance to be declared the "Global Automotive Declarable Substance List" (GADSL) is used. This List is accessible under [www.gadsl.org](http://www.gadsl.org)

No substances above the limits of declaration of the GADSL list are added.



# MULTIFLEX™ G60 A 11 BT 13893

STYRENIC THERMOPLASTIC ELASTOMER

CAMDS - China Automotive Material Data System

Information concerning materials entered into CAMDS is available on request. Please contact your DuPont representative for further information.

## Other Industries

ChemSHERPA

Information concerning material available from ChemSHERPA is available on request. Please contact your DuPont representative for further information.

JGPSSI & MSDS plus

DuPont does no longer support JGPSSI and MSDS Plus. However all necessary data defined by these topics can be made available through ChemSHERPA. Please contact your DuPont representative for further information.

## Waste, Recycling and Recovery

Recycling: Content Declaration for food contact compliant grades

If not otherwise indicated, no recycled materials from external sources are used for grades compliant with European food contact regulations.

Recycling: Content Declaration for industrial grades (as per IMDS definition)

As for metals, glass, textile and paper products, within the raw material specification limits, the feedstock may vary based on technical reasons and availability. Polymer materials therefore have to be considered as 100% new materials if not otherwise indicated.

Recycling of Packaging Materials: Metals Content (also referred to as 'heavy metals')

CEN Report prCR 13695-1

None of the four named heavy metals, - cadmium, lead, mercury and hexavalent chromium, - have been





# MULTIFLEX™ G60 A 11 BT 13893

## STYRENIC THERMOPLASTIC ELASTOMER

intentionally added to this product or the constituents contained in the product.

### Recycling: Hazardous Substances

No listed noxious and hazardous substances have been intentionally added to this product or any of the constituents contained.

### Recycling of Packaging Materials: Recovery

CEN Standard prEN 13430

This raw material is suitable for recycling subject to the normal conditions of repetitive processing. The ability to recycle following its use will depend on the detailed nature, composition and construction of the former article, the potential contained residues and contamination, and the systems available, for collection and any necessary sorting.

## Chemical Constituents

### Conflict Minerals

No substances reportable under the 'Dodd-Frank Wall Street Reform and Consumer Protection Act (2010)' - Conflict Minerals\* originating in the Democratic Republic of Congo (DRC) or an adjoining country\*\* - are intentionally added during manufacturing of this above product.

\* columbite-tantalite (coltan, tantalum), cassiterite (tin), gold, wolframite (tungsten), or derivatives.

\*\*adjoining countries are Angola, Zambia, Tanzania, Uganda, Sudan, Rwanda, Burundi and the Central African Republic.

The Conflict Minerals Reporting Template (CMRT) form has been completed for the above product and is available on request.

### Nanoparticles content

No material of nanoscale size (see below for definition) is added during manufacturing of above product.

The European Commission has defined nanomaterials under Recommendation 2011/696/EU.

These particles may be inextricably bound into a polymer matrix and thus may not require declaration under certain country reporting requirements. Please contact your DuPont representative for more information.



# MULTIFLEX™ G60 A 11 BT 13893

## STYRENIC THERMOPLASTIC ELASTOMER

### Volatile Organic Compounds (VOC)

Does contain volatile organic compounds as defined in the European Directive 2010/75/EC.

The product contains less than 3% of components considered VOC according to the Swiss VOC Regulation, SR 814.018 (Annex I) or contains products manufactured in Switzerland, which are not on the positive list of products (Annex II).

The product does not contain VOC in accordance with the California Air Resource Board Regulation.

No Volatile Organic Compounds as defined by the 2004 Air Pollution Control Law of Japan, the 2009 Air Pollution Control Regulation (Chinese VOC regulation) and the Korean Ministry of Environment in 2004 are added in excess of the limits set for emissions.

### Ozone Depleting Substances (ODS)

No suspected Ozone Depleting Substances (ODS) of class I or II according to the US Clean Air Act, 1993 amendments, are used.

No suspected Ozone Depleting Substances (ODS) as mentioned in the Montreal Protocol of 1987, amended by the London Convention in 1990, the Copenhagen Convention in 1992, the Vienna Convention in 1995, the Montreal Convention in 1997 and the Beijing Convention in 1999, are used.

No suspected Ozone Depleting Substances (ODS) as mentioned in the European Regulation (EC) No 1005/2009 and the Commission decisions (EC) No 2003/160 and 2004/232 and related European Regulation No 517/2014, repealing the European regulation No 842/2006 are used.

### Chemical Weapons Convention (CWC)

The above product is not subject to reporting requirements under the Chemical Weapons Convention, dated September 2005.

### Declarable Substances Content

As reference for substances to be declared the following reference lists are used:

Global Automotive Declarable Substance List (GADSL)

This List is accessible under [www.gadsl.org](http://www.gadsl.org)



# MULTIFLEX™ G60 A 11 BT 13893

## STYRENIC THERMOPLASTIC ELASTOMER

International Electrotechnical Commission (IEC) 62474 List

This List is accessible under <http://std.iec.ch/iec62474>

All declarations are made vs. the Regulatory limits\*, for which communication channels along the supply chain exists or limits set as referred in the Specific Lists. For non regulated substances a general threshold limit of 0.1% is applied. For any lower declaration limits, specific inquiries have to be made, which can be effort and time intensive. If desired, specific customer testing can be discussed, subject to commercial agreements.

\*Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) and amendments.

We do not routinely analyse our products for the substances mentioned on above reference lists, nor do we require our raw material suppliers to do so. Our declaration is based on the intentional addition during the manufacture of the above product. To the best of our knowledge, these materials are not present as intentional components in the raw materials used in the manufacture of this product except if stated.

Our declaration is based on the intentional addition during the manufacture of the above product. Except if differently stated and to the best of our knowledge, these materials are also not present as intentional components in the raw materials used. However, we do not routinely analyze our resins for the substances mentioned on above reference lists, nor do we require our raw material suppliers to do so.

Groups of chemicals of concern not referenced by specific CAS numbers may be subject to interpretation, therefore assessment has been carried out based on our understanding of such generic groups.

There are no substances intentionally added above the limits set by above regulatory standards.

### Content of substances relevant to regulations

Please consult the Material Safety Data Sheet (SDS) or Article Information Sheet (AIS) relevant to your Region / country. Due to differences in the applicable regulations, classifications and exposure limits, these may be different from country to country.

### Safety, Health, Environmental, Sustainability and Social Responsibility

DuPont has a tradition going back over 200 years concerning its Safety, Health and Environmental policies. Our occupational accident rates are one measurable result; they are far below the industry average. DuPont applies the same philosophy to its products and operations for safety and environmental performance.

DuPont has committed itself to the RESPONSIBLE CARE® initiative of the Chemical Industry on a global basis. This initiative is targeted towards a continuous improvement process in Safety, Health and Environmental performance with measurable results.



# MULTIFLEX™ G60 A 11 BT 13893

STYRENIC THERMOPLASTIC ELASTOMER

All the DuPont polymer manufacturing and laboratory facilities are certified ISO 9001. Most of the DuPont production locations have received the ISO 14001 certification or are actively working to obtain it. The certificates are available on request for the specific products/production locations of interest.

Reports concerning the DuPont sustainability approach are published under <http://www.dupont.com/corporate-functions/our-approach/sustainability.html>

The DuPont's position towards social commitment can be found on <https://www.dupont.com/about/our-values.html>

If you have further questions concerning DuPont or our products, please do not hesitate to contact your DuPont representative.

® registered service marks of the American Chemistry Council, Inc.



# MULTIFLEX™ G60 A 11 BT 13893

## STYRENIC THERMOPLASTIC ELASTOMER

### Regional Contacts:

United States, Canada  
and Latin America Multibase Inc.  
3835 Copley Road  
Copley  
OH 44321  
USA  
Tel: +1 833 338 7668  
americas.psr@dupont.com

Europe, Middle East  
and Africa Multibase SA  
Z.I. Chartreuse Guiers  
38380 Saint Laurent du Pont  
France  
Tel: +33 4 76 67 12 12  
europe.psr@dupont.com

Asia Pacific DuPont Apollo (Shenzhen)  
Limited  
DuPont Apollo Hi-Tech Industrial Park,  
East Guangming Hi-Tech Zone,  
Guangming New District,  
Shenzhen 518107, Guangdong, China  
asia.psr@dupont.com

### Disclaimer :

1. This statement is based on our current level of knowledge. This information is provided in good faith and is believed accurate as the date of the document. It is based on a review of current formulation, composition, manufacturing process and information supplied by vendors. No warranty is expressed or implied. Liability is expressly disclaimed.
2. The data is not intended to substitute for any testing you may need to determine the suitability of this product for a particular purpose.
3. This information is valid only for DuPont Polymer products as shipped from our facility, and may become invalid if the product is mixed with other materials or otherwise altered.
4. Statements concerning the use of the products or formulations described herein are not to be construed as recommending the infringement of any patent, copyright, designs or other intellectual property and no liability for infringement arising out of such use is assumed by DuPont. None of this information is to be considered as a license to operate under any patents.
5. For safety, health and environmental information please refer to the Material Safety Data Sheet which is the primary source of information.

Issued: 20-Mar-2024

Revised: 30-Jan-2024

Page: 13 of 13

The information set forth herein is furnished free of charge, is based on technical data that DuPont believes to be reliable, and represents typical values that fall within the normal range of properties. This information relates only to the specific material designated and may not be valid for such material used in combination with other materials or in other processes. It is intended for use by persons having technical skill, at their own discretion and risk. This information should not be used to establish specification limits nor used alone as the basis of design. Handling precaution information is given with the understanding that those using it will satisfy themselves that their particular conditions of use present no health or safety hazards and comply with applicable law. Since conditions of product use and disposal are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information. As with any product, evaluation under end-use conditions prior to specification is essential. Nothing herein is to be taken as a license to operate or a recommendation to infringe on patents.

CAUTION: Do not use DuPont materials in medical applications involving implantation in the human body or contact with internal body fluids or tissues unless the material has been provided from DuPont under a written contract or other acknowledgement that is consistent with the DuPont policy regarding medical applications and expressly acknowledges the contemplated use. For further information, please contact your DuPont representative.

DuPont's sole warranty is that our products will meet our standard sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, DUPONT SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, OR NON-INFRINGEMENT. DUPONT DISCLAIMS LIABILITY FOR ANY SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

DuPont™, the DuPont Oval Logo, and all trademarks and service marks denoted with ™, SM or ® are owned by affiliates of DuPont de Nemours, Inc. unless otherwise noted.

© 2022 DuPont. All rights reserved.