Regulatory Data Sheet

Propylene Glycol USP/EP

Information provided in this Regulatory Data Sheet (RDS) does not indicate Dow product availability in all countries aligned with the below regulations. Please contact Dow to confirm availability of product in specific countries.

Global Chemical Inventory Compliance

Country	Inventory	Status
Australia	AIIC	All substances contained in this product are listed on the Australian Inventory of Industrial Chemicals, or are not required to be listed.
Canada	DSL	All substances contained in this product are listed on the Canadian Domestic Substances List (DSL) or are not required to be listed.
China	IECSC	All intentional components are listed on the inventory, are exempt, or are supplier certified.
Japan	ENCS	All intentional components are listed on the inventory, are exempt, or are supplier certified.
Korea	KECI	All intentional components are listed on the inventory, are exempt, or are supplier certified.
New Zealand	NZIoC	There is no requirement to list components of this product on the New Zealand Inventory of Chemicals (NZIoC).
Philippines	PICCS	All intentional components are listed on the inventory, are exempt, or are supplier certified.
Switzerland	EINECS	The components of this product are on the EINECS inventory or are exempt from inventory requirements.
Taiwan	TCSI	All intentional components are either listed on the Inventory or exempted by regulations, or certified by venders of their supply chemicals.
United States of America (USA)	TSCA	All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

REACH

This product, as manufactured and/or imported by Dow into the European Union (EU), is in compliance with REACH. All REACH relevant substances in this product have been registered.We remind our customers located outside the European Union (EU) that it is the obligation of the EU importer to fulfill REACH obligations.

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REACH Substances of Very High Concern (SVHC)

The product does not contain any of the Substances of Very High Concern (SVHC) listed on the most current candidate list published on the ECHA website (http://echa.europa.eu/chem_data/authorisation_process/candidate_list_table_en.asp), above the reportable limits based on composition information for the raw materials.

Pharmaceutical Regulations

U.S. Food & Drug Administration (FDA) Drug Master File

Please contact Dow's Customer Information Group on www.Dow.com if you require more information.

International Conference on Harmonisation of Technical Requirements for Registration of Pharmaceuticals for Human Use (ICH) Q3C Solvents

This product is not intentionally manufactured or formulated with Class 1, 2, or 3 solvents as listed under the Guideline for Residual Solvents Q3C by the International Conference on Harmonisation of Technical Requirements for Registration of Pharmaceuticals for Human Use (ICH); however, we do not analyze for these specific chemicals.

International Conference on Harmonisation of Technical Requirements for Registration of Pharmaceuticals for Human Use (ICH) Q3D Elemental Impurities

This product is not intentionally manufactured or formulated with Class 1, 2A, 2B, or 3 Elemental Impurities as defined under the Guideline for Elemental Impurities Q3D by the International Conference on Harmonisation of Technical Requirements for Registration of Pharmaceuticals for Human Use (ICH). Note that we only analyze for a few specific elements that are included in the sales specification.

Cosmetic Regulations

Regulation (EC) No 1223/2009 on cosmetic products

The composition of this product complies with this regulation.

International Fragrance Association (IFRA) Transparency List

This product is listed.

Dietary Laws

Halal

This product is halal certified.
Product manufactured by our plant in Aratu, Brazil, is not Halal certified.

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Kosher

This product is kosher certified.

Child Safety Regulations

Toy Safety - ASTM F963 / EN 71-3

This product is not formulated with antimony, arsenic, barium, boron, cadmium, chromium, cobalt, copper, mercury, lead, nickel, selenium, strontium or tin. To the best of our knowledge, it does not contain these substances above the limits set in ASTM F 963-11, Section 4.3.5.2. This product complies with the requirements of EN 71 Safety of Toys - Part 3, Migration of Certain Elements.

Hazard Information Reporting (RTK)

California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Irradiation

Irradiation

This product does not contain material that has been irradiated nor has it been manufactured at any stage with irradiation.

Metal Regulations

EU 94/62/EC - Packaging and Packaging Waste

Dow does not routinely analyze for additional materials that are not listed in the MSDS or Sales Specification. Specifically, while we have not analyzed for heavy metals referenced in EU Directive 94/62/EC (Cadmium, Hexavalent Chromium, Lead, Mercury), they are not known to be present in this product.

Coalition of Northeastern Governors (CONEG)

This product conforms to the Coalition of Northeastern Governors (CONEG) Toxic in Packaging Legislation. Any incidental levels of lead, cadmium, hexavalent chromium, and mercury do not exceed 100 ppm total.

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Origin

Genetically Modified Organisms (GMO)

This product does not contain, nor has it been manufactured, with genetically modified organisms (GMOs).

Animal Derived Components (BSE/TSE)

The product's ingredients and the sources of these are not of animal origin. This product is made from Propylene Oxide and water.

Origin

This is manufactured by reacting synthetic Propylene Oxide with water at high temperature and pressure without the use of a catalyst or solvent.

Preservative

Preservatives

No preservative is intentionally added to this product.

Volatile Organic Compound

Commission Directive 2002/42/EC

EU directive 2002/42/EC defines a VOC as any organic compound having an initial boiling point less than or equal to 250 degrees C measured at a standard pressure of 101.3 kPa. Under these definitions this product is considered a VOC.

40 CFR 51.100

With regard to VOC content, one U.S. Environmental Protection Agency (EPA) definition of a VOC is any compound of carbon excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate and excluding compounds which have negligible photochemical reactivity. For other specific exemptions, refer to 40 Code of Federal Regulations Section 51.100(s) and check for any recent Federal Register notices.Under this broad U.S. EPA definition, this substance is considered a VOC. Volatile Organic Compounds (VOC) rules and regulations vary widely depending on the use of the finished product, and the applicability of VOC regulations depends on the applicable jurisdiction. In some states, regulators have exempted VOCs with a vapor pressure less than 0.1 mm Hg at 20 degrees Centigrade from VOC content limitations for consumer and/or commercial products. Check local regulations to see if this is applicable. The vapor pressure of propylene glycol is 0.08 mm Hg (0.11 mbar, 0.011 kPa) at 20 degrees centigrade. Please note that it is the responsibility of the user to determine the appropriate regulatory requirement for their operation and/or final product use.

General/Global Regulations

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Regulation (EC) 1223/2009

This product is manufactured from synthetic propylene oxide and water from condensed steam, at high temperature and pressure in a closed process using dedicated equipment, without the use of additives or process aids. This includes the 26 allergens as defined in the Cosmetic Products Regulation (EC) 1223/2009. The allergy-stimulating compounds listed herein are not included on the specifications for this product and no specific testing for their presence is performed. Based on the factors listed, this product, when purchased directly from Dow or in Dow factory-packed containers, is believed to be free of all the specified, known allergy-stimulating substances; therefore, batch-specific allergen analysis or certification is not needed.

Regulation (EC) 1169/2011

This product is manufactured from synthetic propylene oxide and water from condensed steam, at high temperature and pressure in a closed process using dedicated equipment, without the use of additives or process aids. This includes food allergens as listed in Annex II of “Regulation (EU) No 1169/2011 (formerly Annex IIIa of Directive 2000/13/EC) and subsequent amendmentsThe allergy-stimulating compounds listed herein are not included on the specifications for this product andno specific testing for their presence is performed. Based on the factors listed, this product, when purchased directly from Dow orin Dow factory-packed containers, is believed to be free of all the specified, known allergy-stimulating substances; therefore, batch-specific allergen analysis or certification is not needed.

ANVISA/RDC Resolution N° 727

This product is manufactured from synthetic propylene oxide and water from condensed steam, at high temperature and pressure in a closed process using dedicated equipment, without the use of additives or process aids. This includes food allergens listed in ANVISA / RDC Resolution Nº 727 of 07/01/2022.The allergy-stimulating compounds listed herein are not included on the specifications for this product and no specific testing for their presence is performed. Based on the factors listed, this product, when purchased directly from Dow or in Dow factory-packed containers, is believed to be free of all the specified, known allergy-stimulating substances; therefore, batch-specific allergen analysis or certification is not needed.

Micro Specifications

There are no microbiological sales specifications for this product.

Nanomaterials

To the best of our current knowledge, we hereby confirm that this product does not meet the definition of nanomaterial as providedin the European Commission Recommendation (2022/C 229/01).

Residual Solvents

None of the Class 1, Class 2, and Class 3 Residual Solvents specified in USP General Chapter <467> effective on 1 DEC 2020 are used in the manufacture of this product.

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EU Directive 2011/65/EU (RoHS)

This product complies with the requirements of Article 4.1 of EU Directive 2011/65/EU (RoHS 2), as amended (Directive (EU) 2015/863 inclusive) (RoHS 3). It is not intentionally manufactured or formulated with cadmium, hexavalent chromium, lead, mercury, polybrominated biphenyls (PBB), polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP), or Diisobutyl phthalate (DIBP).

Substances and Compounds

The following substances are not expected to be present in this Product. We may not specifically analyze for the presence of these substances in the Product. Therefore, we cannot guarantee the absence or level of these substances to any specific limit or threshold value:

Bisphenol A
Bisphenol A-diglycidylether (BADGE)
Biocides
Chlorinated paraffins
Diethylene Glycol (DEG)
Fragrances
Insecticides
Latex
Melamine
Nitrosamines
Palm Oil
Parabens
Perfluoroalkylated Substances
Monoethylene Glycol (MEG)
Pesticides
Phthalates
Polycyclic Aromatic Hydrocarbons (PAH)

Product Specification

For product specifications, please request a Sales Spec document for this product from The Dow Customer Information Group at http://www.dow.com/en-us/contact-us-cig.

Composition Statement

For information on the components of our product and their concentration, please refer to the Safety Data Sheet (SDS) and the Sales Specification. Any hazardous constituents above regulatory disclosure cut-off limits determined according to their regional and/or specific GHS classification(s) will appear in the ingredients section of the SDS. In addition, consult the Hazardous Decomposition Products section for further information. You can search https://www.dow.com/en-us/support/sds-finder.html for an available SDS.

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Responsible Care

Dow complies with the American Chemistry Council's Responsible Care® guiding principles, codes, and management system requirements. Dow has recommitted its support for Responsible Care on a global scale by signing the Responsible Care Global Charter under the auspices of the International Council of Chemical Associations (ICCA). Dow has also endorsed the ICCA's Global Product Strategy, an effort by the global chemical industry to further improve its product stewardship efforts. Our EH&S management system is audited regularly to ensure compliance with all applicable governmental requirements, Responsible Care, and internal Dow requirements.

Dow has adopted what we call our "2025 Sustainability Goals" -- ambitious performance improvement goals with a broad external focus: strengthening our relationships with the communities where we operate, continuing to improve our product stewardship and innovation, and reducing our global footprint. In support of these goals, Dow is constantly working to improve our performance through focused EH&S programs such as the Waste Reduction Always Pays (WRAP) program. More information can be found by visiting https://www.dow.com/en-us.html.

Product Stewardship
Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice
Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

Medical Applications Policy
NOTICE REGARDING MEDICAL APPLICATION RESTRICTIONS: Dow does not support or intend for its products to be used in:
a. long-term or permanent contact with internal bodily fluids or tissues. “Long-term” is contact which exceeds 29 calendar days;
b. use in cardiac prosthetic devices regardless of the length of time involved (“cardiac prosthetic devices” include, but are not limited to, pacemaker leads and devices, artificial hearts, heart valves, intra-aortic balloons and control systems, and ventricular bypass-assisted devices);
c. use as a critical component in medical devices that support or sustain human life; or
d. use specifically by pregnant women or in applications designed specifically to promote or interfere with human reproduction.
e. use as an ingredient of a pharmaceutical injectable application.
Dow requests that customers considering use of Dow products in medical applications notify Dow so that appropriate assessments may be conducted. Dow does not endorse or claim suitability of its products for specific medical applications. It is the responsibility of the medical device or pharmaceutical manufacturer to determine that the Dow product is safe, lawful, and technically suitable for the intended use. DOW MAKES NO WARRANTIES, EXPRESS OR IMPLIED, CONCERNING THE SUITABILITY OF ANY DOW PRODUCT FOR USE IN MEDICAL APPLICATIONS.

Tobacco and Marijuana Policy
Dow does not support or intend for its products to be used, directly or indirectly, in the production of tobacco, the manufacture of tobacco products, the manufacture and use of electronic cigarettes/vaping, the production of marijuana, or the manufacture of marijuana products intended for human consumption, where the Dow product (or its residues) may be present in the finished product or be alleged to facilitate the delivery of nicotine, other tobacco components, marijuana, or marijuana components.

Harmful Applications Policy
Dow does not intend for its products to be used in applications specifically intended to harm humans.

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NOTICE: No freedom from infringement of any patent owned by Dow or others is to be inferred. Because use conditions and applicablelaws may differ from one location to another and may change with time, Customer is responsible for determining whether products andthe information in this document are appropriate for Customer's use and for ensuring that Customer's workplace and disposal practices are in compliance with applicable laws and other government enactments. The product shown in this literature may not be availablefor sale and/or available in all geographies where Dow is represented. The claims made may not have been approved for use in all countries. Dow assumes no obligation or liability for the information in this document. References to “Dow” or the “Company” mean the Dow legal entity selling the products to Customer unless otherwise expressly noted. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED. NO WARRANTIES ARE GIVEN; ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.

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