



Summary of Quality and Regulatory Information for Beauty Care **XIAMETER™ PMX-200 Silicone Fluid 60,000 cSt**

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1. Introduction

The purpose of this document is to provide key quality and regulatory information frequently requested by customers regarding the above-named product. The information contained herein is offered in good faith and is believed to be accurate at the Revision Date. However, because conditions and methods of use of our products are beyond our control, this information should not be substituted for customer's tests to ensure that Dow's products are safe, effective, and fully satisfactory for customer's intended end use. For further information, please see Dow's website, <https://www.dow.com/en-us.html>, or contact your local Dow representative.

2. Identity

INCI Name	Dimethicone
Supplier/Manufacturer	Dow
Country of Manufacture	UK, USA, Japan, Belgium
Manufacturing Process	This material is produced by polymerization of hexamethyldisiloxane and polydimethylsiloxanes. The material is then filtered and packaged.
Manufacturing Quality System	Dow has implemented and follows a global management system that integrates Environment, Health, Safety, Security and Quality requirements and that supports Dow's commitment to Sustainability, Responsible Care®, and Customer Satisfaction. Dow holds global ISO9001 and ISO14001 certifications that include most manufacturing and commercial sites. The sites that are part of the global ISO9001 and ISO14001 certifications are listed on our certificates. The certificates of registration can be found on https://www.dow.com/en-us.html , under "About Dow / Quality & Six Sigma".

3. Specific Regulatory Information

The information below identifies specific product-based regulations applicable to the Product in various geographies. It is not intended to be a comprehensive regulatory assessment. The information in this section is accurate to the best of our knowledge at the Revision Date. Information is based on Dow's product and process knowledge, as well as information provided by our suppliers. Formulators are reminded of their responsibilities to ensure the suitability of raw material components and of the final cosmetic formulation.

European Union
Substances included in Annex II of the Cosmetic Regulation 1223/2009:
Not expected to contain substances restricted by Annex II of EU Regulation N°1223/2009 at >0.1%.
Substances included in Annex III of the Cosmetic Regulation 1223/2009:
Not expected to contain substances restricted by Annex III of EU Regulation N°1223/2009.
Substances classified as Carcinogenic, Mutagenic or Toxic to Reproduction (CMR) pursuant to annex VI of EU Regulation 1272/2008:

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Not expected to contain substances classified CMR category 1A pursuant to Annex VI of EU Regulation 1272/2008.
Not expected to contain substances classified CMR category 1B pursuant to Annex VI of EU Regulation 1272/2008.
Not expected to contain substances classified CMR category 2 pursuant to Annex VI of EU Regulation 1272/2008 at >0.1%.
Japan
Cosmetic Labelling, JCIA:
All ingredients are registered in JCIA
Quasi-drug Status:
All ingredients are registered in JSQI

Product Information concerning Cosmetic Regulations

EU Cosmetic Regulation

To the best of our knowledge at the Revision Date, the product is not precluded from use in the formulation of cosmetic products subject to the EC Regulation 1223/2009. However, it remains the responsibility of the Customer to determine the suitability of the Dow product for use in its own applications and compliance with all applicable safety and regulatory requirements for the applications in the targeted geography(s) of sale and use.

Ingredients of CHINA (IECIC)

To the best of our knowledge at the Revision Date, the product is not precluded from Cosmetic use under the Cosmetics Supervision Administrative Regulation of China.

Korea Cosmetic Regulation

To the best of our knowledge at the Revision Date, the product is not precluded from use in the formulation of cosmetic products which are subject to compliance with the Korea Cosmetics Act. However, it remains the responsibility of the customer to determine the suitability of the Dow product for use in its application and compliance with all safety and regulatory requirements for the application in the targeted geography(s) of sale and use.

Australia Therapeutic Goods Act

The ingredients are not listed on the Australian Approved Names List for Therapeutic Substances.

4. Composition, including Preservatives & Antioxidants

The composition shown below is intended to illustrate the typical composition of this Product and should not be interpreted as a formulation specification. The actual specification will remain as supplied with the Dow product.

EC Number	CAS	INCI Name	Chemical Name	Typical Concentration	Function	Origin
613-156-5	63148-62-9	Dimethicone	Siloxanes and silicones, dimethyl	>99%	Key	Synthetic

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Following is the information regarding residual monomers or other impurities:

Residual Monomers:

The Product is not expected to contain residual monomers.

Cyclic Impurities:

D4 – Octamethyl cyclotetrasiloxane (CAS 556-67-2), < 0.1 %

D5 – Decamethylcyclopentasiloxane (CAS 541-02-6), < 0.1 %

D6 - Dodecamethyl cyclohexasiloxane (CAS 540-97-6), < 500 ppm

Based on the current manufacturing processes, D4 – Octamethyl cyclotetrasiloxane (CAS 556-67-2), is technically unavoidable and cannot be completely eliminated from the Product.

Notes:

- 1. This composition is offered to our customers to assist them in determining the INCI label naming for their finished cosmetic. It is the responsibility of the customer to determine the appropriate and legally compliant labeling of their product.*
- 2. This list may not be an exhaustive chemical description of this Product's composition. It should not be interpreted as product or composition specification. We have listed impurities as "incidental" in our products as defined and agreed upon by the Personal Care Products Council nomenclature rules at the time of the INCI application or product commercialization. If you believe that an "incidental component" is included at a higher concentration than current INCI practices, it is the customer's responsibility to decide whether or not to classify and to include it in product labelling.*
- 3. This QRIS is supplied for the purpose of communicating composition quality and regulatory information potentially to assist customers with their own assessment of compliance. The ranges reported in the composition in this document are only provided as a reference to assist customers for their product labelling purpose and these ranges may not be necessarily aligned with jurisdictional product safety data sheets, which have a different purpose and are regulated by country specific hazard communication regulations.*

5. Product Characteristics

Typical Molecular Weight

Average above 100000

ISO 16128

- 1- This Product is considered a non-natural ingredient under ISO 16128.

Cross-contamination

Based on examination of the ingredients and ingredient sources and the definitions included in this letter, to the best of our knowledge, at the Revision Date, no animal-sourced ingredients have been utilized during manufacture. We are not aware of any sources of cross-contamination by products or process equipment that may contain animal-sourced ingredients. Further, we take measures to minimize cross-contamination potential as far as is reasonably practicable. "Animal-sourced ingredients" includes any raw materials or additives derived from meat, fish, eggs, dairy products, honey or processed foods containing ingredients derived from animals.

Use of the term "animals", refers to any species in the Animal Kingdom. This assessment above is based on reasonably accepted definitions of "Vegan" and "Vegetarian" as outlined below:

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Vegan

- Exclude the use of animals for food, clothing;
- Do not consume meat, eggs, milk, honey or any food that is derived from animals;
- Do not use any products derived from animals, e.g., fur, leather, wool, etc.

Vegetarian

- Diet excludes meat (including game and slaughter by-products; fish, shellfish and other sea animals; and poultry);
- Lacto-vegetarian: eat dairy products. Ovo-vegetarian: eat eggs;
- Do not eat gelatin or other animal by-products;
- May or may not use products derived from animals, e.g., fur, leather, or wool.

Ingredients of Natural Origin

Not applicable.

6. Metals

These values are not intended for use in preparing specifications. They are indicative information only based on our manufacturing process and information received from vendors. Since we do not regularly analyse for presence of these heavy metals, we cannot guarantee specific limits. When present in the Dow Product, these metals are impurities. Given the manufacturing process, it is not possible to completely remove these substances from the Dow Product.

Element	Concentration
Arsenic (As)	Tested, found to be less than 1 ppm. *
Bismuth (Bi)	Tested, found to be less than 1 ppm. *
Cadmium (Cd)	Tested, found to be less than 1 ppm. *
Cerium (Ce)	Tested, found to be less than 1 ppm. *
Cobalt (Co)	Tested, found to be less than 1 ppm. *
Chromium (Cr)	Tested, found to be less than 1 ppm. *
Copper (Cu)	Tested, found to be less than 1 ppm. *
Mercury (Hg)	Tested, found to be less than 1 ppm. *
Lead (Pb)	Tested, found to be less than 1 ppm. *
Nickel (Ni)	Tested, found to be less than 1 ppm. *
Antimony (Sb)	Tested, found to be less than 1 ppm. *
Strontium (Sr)	Tested, found to be less than 1 ppm. *
Zinc (Zn)	Tested, found to be less than 1 ppm. *

* Value generated via ICP standard method.

Number of samples tested was: 1

Date of analysis was: May, 2015

Element	Concentration
JSQI General Heavy Metals Test	Tested, total found to be is less than 20 ppm
JSQI Test for Arsenic	Tested, found to be less than 2 ppm

7. Animal Testing

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Dow policy on further animal testing

Dow cannot provide a statement of assurance that no further animal testing will be carried out on ingredients or the Product itself, as further testing is sometimes required for regulatory requirements such as the EU REACH regulation. This information represents only Dow's position with respect to the use and/or commissioning of animal tests. In making this statement, we are referring to animal studies owned and/or co-owned by Dow.

Where Dow is a party to animal testing due to membership in a regulatory submission (for example, by purchasing a letter of access to studies used in a REACH dossier), Dow is not in a position to ascertain the original intent for performing animal studies reported in said regulatory submissions. Unless known to be otherwise, it is therefore assumed the animal studies reported in the dossier were performed to support the regulatory submission.

Dow has implemented a Product Stewardship Program consistent with the American Chemistry Council Responsible Care® initiative. This program, which applies to Dow's entire global operations, ensures that Dow's products are manufactured, stored, transported, used, disposed and recycled in a manner that shows high regard for human health, safety and environmental stewardship.

Dow is fully committed to using the fewest number of animals possible while allowing a full understanding of the safety profile of our products. It is, however, not possible to completely abandon animal testing while adequately protecting humans, animals and the environment. To support our product stewardship efforts, we use animal testing only when there are no alternatives, and we use alternative methods only when they are shown to be scientifically valid and are accepted by governing bodies. Laws of the countries in which Dow operates may require animal testing to be conducted, and all animal testing undertaken by Dow is conducted in compliance with all applicable laws.

Purpose of animal testing

Animal testing data generated as part of our product stewardship program (as described above) is not used to support the safety assessment for a product or its ingredients in personal care applications.

We will provide information on any animal testing owned and/or co-owned by Dow on the product and relevant ingredients. Where animal studies have been performed on a personal care product or the ingredients therein to support the safe use in a personal care application, or to meet regulatory requirements for cosmetics (for example the registration of a new personal care ingredient) this will be specifically stated on the animal testing statement for that product.

For additional information on this material, please see our website www.dow.com

8. Sustainability

As we bring to life our [Guiding Principles](#), we continually strive to be one of the most respected companies in the chemical industry for environmental, health, and safety performance. We have used the [American Chemistry Council's Responsible Care®](#) program as the framework to assure environment, health, and safety practices are well established within the company. These management systems guide our actions and enable us to responsibly develop, produce, and provide products to enhance lives and be a positive force working for our collective future. To effectively work toward this goal, we rely on the commitment and involvement of our employees around the world. Do not hesitate to request Dow Chemical's latest Sustainability Summary Report. To support customer's product safety needs, Dow has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area. For additional information, please see our website, <https://www.dow.com/en-us.html>, or contact your Dow Chemical representative.

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