



RE: AW: Request for samples of Silopren U165 and W1000 oils

[redacted] to: Peter.Bird

02/03/2012 04:36 AM

Cc: Bill.Sherwin, Peter.Farrington, [redacted]

Dear Dr. Bird,

as previously discussed please find attached our letter to you with all relevant information with respect to the samples that are on the way to you.

Also attached please find the documents and data as discussed during our recent telephone conference.

In case of questions please do not hesitate to contact us.

We would be grateful if you could keep us informed about potential findings and relevant information.

Sincerely,

[redacted]
Momentive Performance Materials

From: Peter.Bird [redacted] [mailto:Peter.Bird [redacted]]

Sent: Donnerstag, 1. März 2012 12:01

To: [redacted]

Cc: Bill.Sherwin [redacted] Peter.Farrington [redacted]

Subject: Re: AW: Request for samples of Silopren U165 and W1000 oils [SEC=UNCLASSIFIED]

Classification: UNCLASSIFIED

Dear [redacted]

Thank you for organising the shipping of these samples. We look forward to receiving them and the testing information.

Thank you for your assistance.

Kind regards,

Peter

TGA - Health Safety Regulation

From: [redacted]

Sent: 29/02/2012 09:40 AM CET

To: Peter Bird

Cc: Bill Sherwin; Peter Farrington; [redacted]

Subject: RE: AW: Request for samples of Silopren U165 and W1000 oils
[SEC=UNCLASSIFIED]

Dear Dr. Bird,

we did our best to collect, measure and send the samples as soon as possible.

However Momentive manufactures hundreds of different high quality products and it can take some days until a new production is finalized.

We were able to send the samples out to the specified address yesterday evening via UPS. Attached

you can find an e-mail with the tracking number.

Further information, as discussed in our telephone conference, will be provided to you via e-mail before the samples arrive.

I would recommend that you contact your customs contacts to make sure that the samples will not be hold back for further inspections.

According to UPS the samples will arrive Tuesday March 6.

If you have further questions please do not hesitate to contact us.

Sincerely,

[REDACTED]
Momentive Performance Materials

From: Peter.Bird [mailto:Peter.Bird [REDACTED]]

Sent: Mittwoch, 29. Februar 2012 07:43

To: [REDACTED]

Cc: Bill.Sherwin [REDACTED]; Peter.Farrington [REDACTED]

Subject: Re: AW: Request for samples of Silopren U165 and W1000 oils [SEC=UNCLASSIFIED]

Dear [REDACTED]

Please could you advise me whether you have managed to send the samples for our laboratory testing and when we can expect to receive them.

Thank you for your assistance.

Kind regards,

Peter

Dr Peter Bird
Head of Office
Office of Laboratories and Scientific Services
Therapeutic Goods Administration
Tel: (02) 62328400

From: [REDACTED]

To: <Peter.Bird [REDACTED]>

Cc: <Bill.Sherwin [REDACTED]>, <Peter.Farrington [REDACTED]>

Date: 23/02/2012 06:55 AM

Subject: AW: Request for samples of Silopren U165 and W1000 oils [SEC=UNCLASSIFIED]

Dear Dr. Bird,

It is fully clear to us that you are under pressure and we are doing our best to support you in the shortest time possible.

We are currently diligently working on your request.

The sample collection/analysis is ongoing and we aim to provide the requested materials and information as soon as this is finalized.

We plan to ship the samples via a carrier and possibly air-freight. We will keep you informed about the shipping process to assure that the samples will not get stuck at the customs and that the shortest possible shipping time will be achieved.

Sincerely,

[REDACTED]
Momentive Performance Materials

Von: Peter.Bird [mailto:Peter.Bird [REDACTED]]
Gesendet: Mittwoch, 22. Februar 2012 07:15
An: [REDACTED]
Cc: Bill.Sherwin [REDACTED]; Peter.Farrington [REDACTED]
Betreff: Request for samples of Silopren U165 and W1000 oils [SEC=UNCLASSIFIED]

Dear [REDACTED]

I apologise that I am following up so quickly my previous request in my email below. However, part of our testing program on the chemistry of the PIP breast implants is relying on obtaining the raw materials that were used and my laboratory is under pressure to do this testing urgently. I would be very grateful if you could advise me as to whether it is going to be possible to receive the requested Silopren U165 and W1000 oils from Momentive.

Thank you for your consideration.

Kind regards,

Peter

Dr Peter Bird
Head of Office
Office of Laboratories and Scientific Services
Therapeutic Goods Administration
Tel: (02) 62328400

----- Forwarded by Peter Bird/TGA/Health on 22/02/2012 05:05 PM -----

From: Peter Bird/TGA/Health
To: [REDACTED]
Cc: Bill Sherwin/TGA/Health@TTRA, Peter Farrington/TGA/Health@TTRA
Date: 17/02/2012 06:02 PM
Subject: Re: AW: Re: Your Request for information [SEC=UNCLASSIFIED]

Dear [REDACTED]

I appreciate the time that you and your organisation has given to try to help the Therapeutic Goods Administration (TGA) in Australia investigate matters related to PIP breast implants.

I am aware from your discussions with my staff that you have indicated that Momentive makes quality materials which are not intended for use in therapeutic products. The French regulator (AFSSAPS) have published a report on their website that indicates that the manufacture of PIP breast implants included Silopren U165 and W1000 oils from Momentive, as well as raw materials from Rhodorsil silicone oils from Bluestar. The manufacturer used these raw materials in place of the authorised raw material from Nusil. Please see AFSSAPS report at <http://www.afssaps.fr/Infos-de-securite/Communiqués-Points-presse/Poly-Implant-Prothese-remise-d->

un-rapport-de-la-DGS-et-de-l-Afssaps-aux-ministres-charges-de-la-sante-Communique

Investigations by the TGA into PIP breast implants and the related testing program is on the TGA website at <http://www.tga.gov.au/safety/alerts-device-breast-implants-pip-120217.htm#summary>

As part of our testing program, we are doing chemical analysis on the PIP breast implants, other brands of breast implants and raw materials to generate chemical profiles that will assist with chemically identifying PIP breast implants that have been made over the years and determining if there are any chemicals of concern in the breast implants. Therefore, it would be of great assistance to receive the Silopren oils for this testing. We are also investigating cytotoxicity of the gels and oils in accordance with ISO 10993:2009 part 5. I am aware that following manufacture, the characteristics of some of the raw materials will have changed in the finished product. All of our testing is in the context of the materials being used in a breast implant.

I understand that you may have some testing results from studies that you have done on these Silopren oils and I would be very grateful if you could share those results with us.

I am happy to discuss our testing and findings of the Silopren products with you at any time.

I would be grateful if you could urgently assist by providing these Silopren oils to the TGA, which we have sought through the local distributors for your company.

Thank you for your consideration and assistance.

Dr Peter Bird
Head of Office
Office of Laboratories and Scientific Services
Therapeutic Goods Administration
136 Narrabundah Lane
Symonston
ACT 2609,
Australia
Tel: +61 2 62328400
Mobile: 0423026210

From: [REDACTED]
To: <Peter.Bird@[REDACTED]> <Peter.Farrington@[REDACTED]>
Cc: [REDACTED]
Date: 12/02/2012 04:15 AM
Subject: AW: Re: Your Request for information [SEC=UNCLASSIFIED]

Dear Mr. Bird,

I understand that the topic seems to have a certain urgency. However unluckily I am solidly blocked the first 3 days of the upcoming week.

I can offer an initial call next Thursday at 9am CET. I hope this suits you.

If this acceptable for you I will set up a conference call and will send you the call-in details in time before the call.

Sincerely,
[REDACTED]

Von: Peter.Bird [mailto:Peter.Bird]
Gesendet: Saturday, February 11, 2012 08:50 AM
An: Peter.Farrington <Peter.Farrington>
Betreff: Re: Your Request for information [SEC=UNCLASSIFIED]

Classification: UNCLASSIFIED

Dear

Thank you very much for your reply. We are seeking these materials urgently and I would be grateful for your assistance. I can call you any time that suits you. Canberra is 10 hours ahead.

Kind regards.

Peter

Dr Peter Bird
Head, Laboratories and Scientific Services
Mobile: 0423026210


TGA - Health Safety Regulation

From:
Sent: 10/02/2012 04:54 PM CET
To: Peter Farrington
Cc: Peter Bird
Subject: Your Request for information

Dear Mr. Farrington,

I refer to your e-mail request dated Feb. 9, 2012 and would like to confirm that - to the extent possible - Momentive will of course provide support to a governmental investigation of the French manufacturer of silicone gel filled breast implants. I would suggest that we quickly get together on the phone to discuss in more details what you are looking for. Please let me know which time is convenient for you.

Yours Sincerely,



Sitz: Leverkusen, Registergericht: Köln HR B 59616
Geschäftsführer:
Aufsichtsratsvorsitzender:

This e-mail message is confidential, intended only for the named recipient(s) above and may contain information that is privileged or exempt from disclosure under applicable law. If you have received this message in error, or are not the named recipient(s), please immediately notify the sender and delete this e-mail message from your computer. Thank you.

This message, including attached files, is confidential and intended for the addressees only. Any unauthorized use, dissemination of the information or copying of this message is strictly prohibited. Any views, opinions or conclusions expressed in this message are those of the individual sender and do not necessarily reflect the views of Momentive Performance Materials or its affiliates. If you received this message in error, please immediately advise the sender by reply email and delete all copies of this message. Thank you.

"Important: This transmission is intended only for the use of the addressee and may contain confidential or legally privileged information and has been sent in accordance with the TGA security policy.

If you are not the intended recipient, you are notified that any use or dissemination of this communication is strictly prohibited. If you receive this transmission in error please notify the author Immediately and delete all copies of this transmission."

This message, including attached files, is confidential and intended for the addressees only. Any unauthorized use, dissemination of the information or copying of this message is strictly prohibited. Any views, opinions or conclusions expressed in this message are those of the individual sender and do not necessarily reflect the views of Momentive Performance Materials or its affiliates. If you received this message in error, please immediately advise the sender by reply email and delete all copies of this message. Thank you.

"Important: This transmission is intended only for the use of the addressee and may contain confidential or legally privileged information and has been sent in accordance with the TGA security policy.

If you are not the intended recipient, you are notified that any use or dissemination of this communication is strictly prohibited. If you receive this transmission in error please notify the author Immediately and delete all copies of this transmission."

This message, including attached files, is confidential and intended for the addressees only. Any unauthorized use, dissemination of the information or copying of this message is strictly prohibited. Any views, opinions or conclusions expressed in this message are those of the individual sender and do not necessarily reflect the views of Momentive Performance Materials or its affiliates. If you received this message in error, please immediately advise the sender by reply email and delete all copies of this message. Thank you.

"Important: This transmission is intended only for the use of the addressee and may contain confidential or legally privileged information and has been sent in accordance with the TGA security policy.

If you are not the intended recipient, you are notified that any use or dissemination of this communication is strictly prohibited. If you receive this transmission in error please notify the author immediately and delete all copies of this transmission."

This message, including attached files, is confidential and intended for the addressees only. Any unauthorized use, dissemination of the information or copying of this message is strictly prohibited. Any views, opinions or conclusions expressed in this message are those of the individual sender and do not necessarily reflect the views of Momentive Performance Materials or its affiliates. If you received this message in error, please immediately advise the sender by reply email and delete all copies of this message. Thank you.

"Important: This transmission is intended only for the use of the addressee and may contain confidential or legally privileged information and has been sent in accordance with the TGA security policy.

If you are not the intended recipient, you are notified that any use or dissemination of this communication is strictly prohibited. If you receive this transmission in error please notify the author immediately and delete all copies of this transmission."

This message, including attached files, is confidential and intended for the addressees only. Any unauthorized use, dissemination of the information or copying of this message is strictly prohibited. Any views, opinions or conclusions expressed in this message are those of the individual sender and do not necessarily reflect the views of Momentive Performance Materials or its affiliates. If you received this message in error, please immediately advise the sender by reply email and delete all

copies of this message. Thank you. W 1000 SDS.pdf Analytical Information on CVMS.pdf

Analytical Method CVMS.pdf COA M 1000 batch 12BLVY058.pdf COA U165 batch 12ALVU073.pdf

COA W 1000 batch 12BLVY067.pdf Cover Letter Australia TGA (3-1-2012).pdf M 1000 SDS.pdf

Spec M1000 - 200l.pdf Spec U165 - 200l.pdf Spec W1000 - 200l.pdf U 165 SDS.pdf

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Trade name	:	Silop.W 1000
Usage	:	Industrial use, Component in personal care products
Company	:	Momentive Performance Materials GmbH Chempark Leverkusen Gebaeude V7 DE - 51368 Leverkusen
Emergency telephone	:	Europe, Israel & All other: +44 (0) 1235239670; Middle East: +44 (0) 1235239671
Further Information	:	+ 40 213044229
Environment, Health and Safety Department	:	MomentiveEMEA.productsteward [REDACTED]

2. HAZARDS IDENTIFICATION

GHS-Labeling Regulation (EC) No. 1272/2008:

The product has not been classified as hazardous according to the legislation in force.

Labelling according to EC Directives

Further Information : Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.
The product does not need to be labelled in accordance with EC directives or respective national laws.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Polydimethylsiloxane

4. FIRST AID MEASURES

Inhalation : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms persist.

- Skin contact : After contact with skin, remove product mechanically. Get medical attention if symptoms occur.
- Eye contact : Rinse immediately with plenty of water. Consult a physician for specific advice.
- Ingestion : Do NOT induce vomiting. Give small amounts of water to drink. Get medical attention.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide
Foam.
Water spray
Dry chemical.
- Further Information : Use standard firefighting procedures and consider the hazards of other involved materials.
- Special protective equipment for fire-fighters : Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Caution: Contaminated surfaces may be slippery. Use personal protective equipment.
- Environmental precautions : Do not allow runoff to sewer, waterway or ground.
- Methods for cleaning up : Collect spillage with granulates, sawdust, rags or other absorbent.

7. HANDLING AND STORAGE

Handling

- Advice on safe handling : Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment.
- Advice on protection against fire and explosion : Static electricity and formation of sparks must be prevented. All equipment used when handling the product must be grounded.

Storage

Requirements for storage areas and containers : Keep container tightly closed in a cool, well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment (ppe)

Respiratory Protection : No protection is ordinarily required under normal conditions of use and with adequate ventilation.

Hand protection : Advice: There is no risk to health due to contact with the chemical. Use hand protection to prevent mechanically injuries.

Eye protection : Safety glasses with side-shields conforming to EN166

Hygiene measures : Avoid contact with skin and eyes.
When using do not eat, drink or smoke.
Wash hands after handling.
Observe good industrial hygiene practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : Liquid

Color : Colorless

Odor : Odorless

Safety data

pH : Not applicable

Boiling point/boiling range : >315 °C

Flash Point : >300 °C

Lower explosion limit : Not applicable

Upper explosion limit : Not applicable

Vapour pressure : 1,33 hPa
at 20 °C

Density : 1 g/cm³ at 20 °C Method: DIN 51757

Version 1.8
Revision date 03.01.2012

Print Date 28.02.2012
M00000004848

Solubility/qualitative	: Soluble in toluene
Water solubility	: Insoluble
Solubility in other solvents	: No data available.
Viscosity, dynamic	: 1.000 mPa.s at 20 °C
Viscosity, kinematic	: 1.000 mm ² /s at 20 °C
Relative Vapor Density	: >1,0
Miscibility with water	: non miscible (<10%)

10. STABILITY AND REACTIVITY

Further Information	: Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation. No dangerous reaction if used as recommended. No dangerous decomposition products if stored properly.
---------------------	---

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50 Rat male and female Dose: > 5.000 mg/kg
Acute inhalation toxicity	: LC50 Rat Dose: > 535 mg/l Exposure time: 1 h
Acute dermal toxicity	: LD50 Rabbit Dose: > 10.000 mg/kg
Skin irritation.	: Rabbit Exposure time: 24 h Result: No skin irritation
Eye irritation	: Rabbit Result: No eye irritation
Sensitization	: Test type: Magnusson-Kligmann Species: Guinea Pig Result: In tests with guinea-pigs, the product did not show a sensitising effect (OECD 406; GPMT according to Magnusson-Kligman).

Genetic Toxicity in vitro

- Human experience : Test type: Ames-Test
Result: negative (not mutagenic)
- Human experience : According to current knowledge, polydimethylsiloxanes are not physiologically a problem; but contact with eyes can cause short time, harmless, reversible blurred vision, due to the formation of an oil film on the eye.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

- Toxicity to fish : LC0
Species: Leuciscus idus
Dose: 200 mg/l
Exposure time: 96 h
- Toxicity to microorganisms : EC0
Species: Pseudomonas putida
Dose: > 10.000 mg/l

13. DISPOSAL CONSIDERATIONS

- Product : According to local regulations, can be taken to an appropriate incinerator equipped with exhaust gas cleaning.
- Contaminated packaging : Dispose of as unused product.

14. TRANSPORT INFORMATION

- Further Information : This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.
Keep away from foodstuffs and animal feed.

15. REGULATORY INFORMATION

Inventories

- Australia Inventory of y (positive listing)

Chemical Substances (AICS)		
EU list of existing chemical substances	y (positive listing)	
Japan Inventory of Existing & New Chemical Substances (ENCS)	y (positive listing)	
China Inventory of Existing Chemical Substances	y (positive listing)	
Korea Existing Chemicals Inventory (KECI)	y (positive listing)	
Canada DSL Inventory	y (positive listing)	
Canada NDSL Inventory	n (Negative listing)	
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	y (positive listing)	
TSCA list	y (positive listing)	On TSCA Inventory

For inventories that are marked as quantity restricted or special cases, please contact Momentive.

16. OTHER INFORMATION

Momentive Products are intended for industrial application only.

They are not intended for specific medical applications, neither for long-lasting (> 30 days) implantation into the human body, injected or directly ingested, nor for the manufacture of multiple usable contraceptives.

Further Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



Momentive Performance Materials GmbH
Building V7 Leverkusen
Nordrhein-Westfalen 51368
Momentive.com

March 1, 2012

VIA EMAIL (Peter.Bird [REDACTED])

Dr. Peter Bird, Head of Office
Office of Laboratories and Scientific Services
Therapeutic Goods Administration
136 Narrabundah Lane
Symonston
ACT 2609
Australia

Re: Momentive Product Information

Dear Dr. Bird;

This is to confirm that, as requested, we have shipped to you separately 1-liter samples of the following products (the "Products"):

- Silopren U165
- Baysilone W 1000
- Baysilone M 1000

The Safety Data Sheets are accompanying the samples.

Enclosed please find the following requested information relating to the Products:

- Product specifications for the Products
 - Analytical results showing the percent content of octamethylcyclotetrasiloxane ("D4"), decamethylcyclopentasiloxane ("D5"), and dodecamethylcyclohexasiloxane ("D6") in the batches from which the previously shipped samples were taken. Please note that the D4/D5/D6 content is BUSINESS CONFIDENTIAL. Accordingly, please maintain this information in a confidential manner.
 - The analytical reference method used to determine the amount of D4, D5, and D6
-

- The certificates of analysis setting forth the following analytical data for the previously shipped samples:
 - Density at 25° C
 - Weight loss of 10g after 30 minutes at 150° C
 - Acidity
 - Viscosity at 25° C (mm²/s)

Please note that the polymeric chains comprising Baysilone M 1000 and W 1000 do not contain reactive groups and therefore cannot crosslink to form, or chemically bond to, a gel. As you are aware, the chemical and/or physical properties of the Products may change upon processing. Please note also that the samples being provided are from batches of material manufactured recently. The samples we are sending were taken from batches that met our standard specifications set forth in the attached documents. As such, we believe these samples are generally representative of the Products as produced since 2000. Based upon the information we have been able to review in the past week, we believe that the specifications with respect to the chemical constituents of the samples being provided have not changed since November 2000. We also believe that there have not been significant changes in the manufacturing process since that date.

With respect to toxicity data, we refer you to the report “ Joint Assessment of Commodity Chemicals (JACC) No. 55 Linear Polydimethylsiloxanes CAS No. 63148-62-9 (second edition),” prepared by the European Centre for Ecotoxicology and Toxicology of Chemicals (“ECETOC”). This report includes information on the toxicology of linear polydimethylsiloxanes, a class of polymeric substances that includes Baysilone W 1000 and M 1000. We regret that we are not authorized to provide you with a copy. However, you may request a copy of this report by going to the ECETOC web site at <http://www.ecetoc.org/publications>.

As we discussed in our call, to the best of our knowledge, Momentive did not sell any material to Poly Implant Prothèse (“PIP”). The French authorities informed us they believe these materials were acquired by PIP from a distributor of chemical goods. In this regard, we note that Momentive has a long-standing policy prohibiting the use of its products for the manufacture of breast implants. This prohibition is also set forth in our distribution agreements. Finally, we have had no contact with PIP and we have no knowledge of how PIP may have used our products, if at all.

Dr. Peter Bird, Head of Office
March 1, 2012
Page 3 of 3

We hope this information is helpful. Please do not hesitate to contact me if you have any further questions.

Regards,

[REDACTED]


cc: Mr. Peter Farrington (w/out attachments)
Mr. William Sherwin (w/out attachments)
[REDACTED] (w/ attachments)

Dr. Peter Bird, Head of Office
March 1, 2012
Page 4 of 3

bcc (w/ attachments):



1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Trade name	:	Oil M 1000
Usage	:	Industrial use, Component in personal care products
Company	:	Momentive Performance Materials GmbH Chempark Leverkusen Gebaeude V7 DE - 51368 Leverkusen
Emergency telephone	:	Europe, Israel & All other: +44 (0) 1235239670; Middle East: +44 (0) 1235239671
Further Information	:	+ 40 213044229
Environment, Health and Safety Department	:	MomentiveEMEA.productsteward 

2. HAZARDS IDENTIFICATION

GHS-Labeling Regulation (EC) No. 1272/2008:

The product has not been classified as hazardous according to the legislation in force.

Labelling according to EC Directives

Further Information : Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.
The product does not need to be labelled in accordance with EC directives or respective national laws.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Polydimethylsiloxane

4. FIRST AID MEASURES

Inhalation : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms persist.

- Skin contact : After contact with skin, remove product mechanically. Get medical attention if symptoms occur.
- Eye contact : Rinse immediately with plenty of water. Consult a physician for specific advice.
- Ingestion : Do NOT induce vomiting. Give small amounts of water to drink. Get medical attention.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide
Foam.
Water spray
Dry chemical.
- Further Information : Use standard firefighting procedures and consider the hazards of other involved materials.
- Special protective equipment for fire-fighters : Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Caution: Contaminated surfaces may be slippery. Use personal protective equipment.
- Environmental precautions : Do not allow runoff to sewer, waterway or ground.
- Methods for cleaning up : Collect spillage with granulates, sawdust, rags or other absorbent.

7. HANDLING AND STORAGE

Handling

- Advice on safe handling : Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment.
- Advice on protection against fire and explosion : Static electricity and formation of sparks must be prevented. All equipment used when handling the product must be grounded.

Storage

Requirements for storage areas and containers : Keep container tightly closed in a cool, well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment (ppe)

Respiratory Protection : No protection is ordinarily required under normal conditions of use and with adequate ventilation.

Hand protection : Advice: There is no risk to health due to contact with the chemical. Use hand protection to prevent mechanically injuries.

Eye protection : Safety glasses with side-shields conforming to EN166

Hygiene measures : Avoid contact with skin and eyes.
When using do not eat, drink or smoke.
Wash hands after handling.
Observe good industrial hygiene practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : Liquid

Color : Colorless

Odor : Odorless

Safety data

Melting Point : Pour Point
Approximate-50 °C

Boiling point/boiling range : >315 °C

Flash Point : Approximate320 °C Method: DIN 51376

Ignition Temperature : >400 °C
Method: DIN 51794

Lower explosion limit : Not applicable

Upper explosion limit : Not applicable

Vapour pressure : <0,0001 hPa

	at 20 °C Method: No data available.
Density	: 0,97 g/cm ³ at 25 °C Method: DIN 51757
Solubility/qualitative	: Soluble in toluene
Solubility in other solvents	: No data available.
Viscosity, dynamic	: 1.000 mPa.s at 25 °C Method: No data available.
Viscosity, kinematic	: 1.000 mm ² /s at 25 °C Method: No data available.
Miscibility with water	: immiscible

10. STABILITY AND REACTIVITY

Further Information	: Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation. No dangerous reaction if used as recommended. No dangerous decomposition products if stored properly.
---------------------	---

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50 Rat male and female Dose: > 5.000 mg/kg
Acute inhalation toxicity	: LC50 Rat Dose: > 535 mg/l Exposure time: 1 h
Acute dermal toxicity	: LD50 Rabbit Dose: > 10.000 mg/kg
Skin irritation.	: Rabbit Exposure time: 24 h Result: No skin irritation
Eye irritation	: Rabbit Result: No eye irritation
Sensitization	: Test type: Magnusson-Kligmann Species: Guinea Pig Result: In tests with guinea-pigs, the product did not show a sensitising effect (OECD 406; GPMT according to Magnusson-

Kligman).

Genetic Toxicity in vitro

: Test type: Ames-Test
Result: negative (not mutagenic)

Human experience

: According to current knowledge, polydimethylsiloxanes are not physiologically a problem; but contact with eyes can cause short time, harmless, reversible blurred vision, due to the formation of an oil film on the eye.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish : LC0
Species: *Leuciscus idus*
Dose: 200 mg/l
Exposure time: 96 h

Toxicity to microorganisms : EC0
Species: *Pseudomonas putida*
Dose: > 10.000 mg/l

13. DISPOSAL CONSIDERATIONS

Product : According to local regulations, can be taken to an appropriate incinerator equipped with exhaust gas cleaning.

Contaminated packaging : Dispose of as unused product.

14. TRANSPORT INFORMATION

Further Information : This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.
Keep away from foodstuffs and animal feed.

15. REGULATORY INFORMATION

Inventories

Australia Inventory of Chemical Substances (AICS)	y (positive listing)	
EU list of existing chemical substances	y (positive listing)	
Japan Inventory of Existing & New Chemical Substances (ENCS)	y (positive listing)	
China Inventory of Existing Chemical Substances	y (positive listing)	
Korea Existing Chemicals Inventory (KECI)	y (positive listing)	
Canada DSL Inventory	y (positive listing)	
Canada NDSL Inventory	n (Negative listing)	
Philippines Inventory of Chemicals and Chemical Substances (PICCS)	y (positive listing)	
TSCA list	y (positive listing)	On TSCA Inventory

For inventories that are marked as quantity restricted or special cases, please contact Momentive.

16. OTHER INFORMATION

Momentive Products are intended for industrial application only.

They are not intended for specific medical applications, neither for long-lasting (> 30 days) implantation into the human body; injected or directly ingested, nor for the manufacture of multiple usable contraceptives.

Further Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Trade name	:	Silop.U 165
Usage	:	Industrial use, Component in personal care products
Company	:	Momentive Performance Materials GmbH Chempark Leverkusen Gebaeude V7 DE - 51368 Leverkusen
Emergency telephone	:	Europe, Israel & All other: +44 (0) 1235239670; Middle East: +44 (0) 1235239671
Further Information	:	+ 40 213044229
Environment, Health and Safety Department	:	MomentiveEMEA.productsteward [REDACTED]

2. HAZARDS IDENTIFICATION

GHS-Labeling Regulation (EC) No. 1272/2008:

The product has not been classified as hazardous according to the legislation in force.

Labelling according to EC Directives

Further Information : Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.
The product does not need to be labelled in accordance with EC directives or respective national laws.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Polydimethylsiloxane containing vinyl groups.

4. FIRST AID MEASURES

Inhalation : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms persist.

- Skin contact : After contact with skin, remove product mechanically. Get medical attention if symptoms occur.
- Eye contact : Rinse immediately with plenty of water. Consult a physician for specific advice.
- Ingestion : Do NOT induce vomiting. Give small amounts of water to drink. Get medical attention.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide
Foam.
Water spray
Dry chemical.
- Further Information : Use standard firefighting procedures and consider the hazards of other involved materials.
- Special protective equipment for fire-fighters : Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Caution: Contaminated surfaces may be slippery. Use personal protective equipment.
- Environmental precautions : Do not allow runoff to sewer, waterway or ground.
- Methods for cleaning up : Collect spillage with granulates, sawdust, rags or other absorbent.

7. HANDLING AND STORAGE

Handling

- Advice on safe handling : Avoid contact with eyes, skin, and clothing. Wear appropriate personal protective equipment.
- Advice on protection against fire and explosion : Static electricity and formation of sparks must be prevented. All equipment used when handling the product must be grounded.

Storage

Requirements for storage areas and containers : Keep container tightly closed in a cool, well-ventilated place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment (ppe)

- Respiratory Protection : No protection is ordinarily required under normal conditions of use and with adequate ventilation.
- Hand protection : Advice: There is no risk to health due to contact with the chemical. Use hand protection to prevent mechanically injuries.
- Eye protection : Safety glasses with side-shields conforming to EN166
- Hygiene measures : Avoid contact with skin and eyes.
When using do not eat, drink or smoke.
Wash hands after handling.
Observe good industrial hygiene practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

- Form : Liquid
- Color : Colorless
- Odor : Odorless

Safety data

- pH : Not applicable
- Boiling point/boiling range : >315 °C
- Flash Point : >130 °C Method: DIN 51758
- Ignition Temperature : 470 °C
Method: DIN 51794
- Lower explosion limit : Not applicable
- Upper explosion limit : Not applicable
- Vapour pressure : 1,33 hPa

	at 20 °C
Density	: 1 g/cm ³ at 20 °C Method: DIN 51757
Solubility/qualitative	: Soluble in toluene
Water solubility	: Insoluble
Solubility in other solvents	: No data available.
Relative Vapor Density	: >1,0
Miscibility with water	: non miscible (<10%)

10. STABILITY AND REACTIVITY

Further Information	: Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation. No dangerous reaction if used as recommended. No dangerous decomposition products if stored properly.
---------------------	---

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50 Rat male and female Dose: > 5.000 mg/kg
Acute inhalation toxicity	: LC50 Rat Dose: > 535 mg/l Exposure time: 1 h
Acute dermal toxicity	: LD50 Rabbit Dose: > 10.000 mg/kg
Skin irritation.	: Rabbit Exposure time: 24 h Result: No skin irritation
Eye irritation	: Rabbit Result: No eye irritation
Sensitization	: Test type: Magnusson-Kligmann Species: Guinea Pig Result: In tests with guinea-pigs, the product did not show a sensitising effect (OECD 406; GPMT according to Magnusson-Kligman).
Genetic Toxicity in vitro	: Test type: Ames-Test Result: negative (not mutagenic)

Human experience : According to current knowledge, polydimethylsiloxanes are not physiologically a problem; but contact with eyes can cause short time, harmless, reversible blurred vision, due to the formation of an oil film on the eye.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish : LC0
Species: Leuciscus idus
Dose: 200 mg/l
Exposure time: 96 h

Toxicity to microorganisms : EC0
Species: Pseudomonas putida
Dose: > 10.000 mg/l

13. DISPOSAL CONSIDERATIONS

Product : According to local regulations, can be taken to an appropriate incinerator equipped with exhaust gas cleaning.

Contaminated packaging : Dispose of as unused product.

14. TRANSPORT INFORMATION

Further Information : This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.
Keep away from foodstuffs and animal feed.

15. REGULATORY INFORMATION

Inventories

Australia Inventory of Chemical Substances (AICS) : y (positive listing)
EU list of existing chemical : y (positive listing)

substances

Japan Inventory of Existing & New Chemical Substances (ENCS) y (positive listing)

China Inventory of Existing Chemical Substances y (positive listing)

Korea Existing Chemicals Inventory (KECI) y (positive listing)

Canada DSL Inventory y (positive listing)

Canada NDSL Inventory n (Negative listing)

Philippines Inventory of Chemicals and Chemical Substances (PICCS) y (positive listing)

TSCA list y (positive listing) On TSCA Inventory

For inventories that are marked as quantity restricted or special cases, please contact Momentive.

16. OTHER INFORMATION

Momentive Products are intended for industrial application only.

They are not intended for specific medical applications, neither for long-lasting (> 30 days) implantation into the human body, injected or directly ingested, nor for the manufacture of multiple usable contraceptives.

Further Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.