

ELEMENT14* PDMS 350-E

Version 1.0
Revision date 15.12.2014

Print Date 05.01.2015
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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name : ELEMENT14* PDMS 350-E
REACH Registration No. : not applicable

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Usage : Industrial use, Component in personal care products
1.2.2 Uses advised against : None known.

1.3 Details of the supplier of the safety data sheet

Company: : Momentive Performance Materials GmbH
Chempark Leverkusen Gebaeude V7
DE - 51368 Leverkusen
Telephone : + 40 213044229
Information contact: : MomentiveEMEA.productsteward@momentive.com

1.4 Emergency telephone

24 Hour Emergency Telephone : Europe, Israel & All other: +44 (0) 1235239670; Middle East:+44 (0) 1235239671

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008 as amended

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

2.2 Label elements

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.

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2.3 Other hazards

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Product description / chemical characterization: Polydimethylsiloxane

4. FIRST AID MEASURES

4.1 Description of 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.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

None known.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

- Suitable extinguishing media : Carbon dioxide Foam. Water spray Dry chemical.
- Unsuitable extinguishing media : None known.

5.2 Special hazards arising from the substance or mixture:

None known.

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5.3 Advice for firefighters:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Use standard firefighting procedures and consider the hazards of other involved materials.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

Caution: Contaminated surfaces may be slippery. Use personal protective equipment.

6.2 Environmental precautions:

Do not allow runoff to sewer, waterway or ground.

6.3 Methods and material for containment and cleaning up:

Collect spillage with granulates, sawdust, rags or other absorbent.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

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.

7.2 Conditions for safe storage, including any incompatibilities

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

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits

DNEL-Values:

No data available

PNEC-Values:

No data available

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8.2 Exposure controls

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

9.1 Information on basic physical and chemical properties

- Appearance : Liquid
- Color : Colorless
- Odor : Odorless
- Odor Threshold : No data available.
- pH :
Not applicable
- Melting Point : No data available.
- Boiling point/boiling range : >315 °C
- Flash Point : >300 °C
- Evaporation Rate : No data available.
- Lower explosion limit : Not applicable
- Upper explosion limit : Not applicable
- Vapour pressure : 1,33 hPa at 20 °C
- Vapor Density : >1,0
- Density : 0,96 g/cm³
- Solubility(ies) : Soluble in toluene

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Solubility in Water	: Insoluble
Solubility in other solvents	: No data available.
Partition Coefficient: n-octanol/water	: No data available.
Autoignition Temperature	: No data available.
Thermal decomposition	: No data available.
Viscosity, kinematic	: 350 mm ² /s
Explosive properties	: No data available.
Oxidizing properties	: No data available.

10. STABILITY AND REACTIVITY

10.1 Reactivity:

No data available

10.2 Chemical stability:

No data available

10.3 Possibility of hazardous reactions:

Hazardous polymerisation does not occur.

Note: Material is stable under normal conditions.

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.

10.4 Conditions to avoid:

Keep away from heat, sparks and open flame.

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10.5 Incompatible materials:

None known.

10.6 Hazardous decomposition products:

Carbon oxides, Oxides of silicon., Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

11. TOXICOLOGICAL INFORMATION**11.1 Information on toxicological effects**

- 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
Aerosols
- 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 : Magnusson-KligmannGuinea Pig
Result: In tests with guinea-pigs, the product did not show a sensitising effect (OECD 406; GPMT according to Magnusson-Kligman).
- 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.
- Genetic Toxicity in vitro : Test type: Ames-Test
Result: negative (not mutagenic)

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12. ECOLOGICAL INFORMATION

12.1 Toxicity

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

12.2 Persistence and degradability

Elimination information (persistence and degradability)

Product: No data available

12.3 Bioaccumulation

Product: No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product: No data available

12.6 Other adverse effects

None known.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

- 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.

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15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

None known.

15.2 Chemical safety assessment

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)	
New Zealand Inventory of Chemicals	y (positive 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

Wording of the R-phrases and H-statements in section 2 and 3

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Unless otherwise specified in section 1.2.1, 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.