

This safety data sheet was created pursuant to the requirements of:
UK REACH Regulations (SI 2019/758 as amended)

Supersedes date 02-May-2023***

Revision date 21-Sep-2023

Revision Number 4

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Code(s) 57482***
Safety data sheet number 57482***
Product Name XIAMETER PMX 200 SILICONE FLUID 2 CST
EC No (EU Index No) 205-492-2***
CAS No 141-63-9***
Pure substance/mixture Substance***

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

Recommended use Solvent Cosmetics Chemical intermediate

1.3. Details of the supplier of the safety data sheet

Supplier

Univar Solutions UK Ltd
Aquarius House
6 Mid Point Business Park
Bradford
GBR

For further information, please contact

E-mail address SDS.EMEA@univarsolutions.com
Non-Emergency Telephone Number +44 1274 267300 / +44 1274 267306

1.4. Emergency telephone number

Emergency Telephone SGS - +32 (0)3 575 55 55 (24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified***

2.2. Label elements

Not classified***

Hazard statements

Not classified***

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients**3.1 Substances*****

Chemical name	Weight-%	EC No (EU Index No)	UK REACH registration number	Classification according to GB CLP (SI 2020/1567 as amended)	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
DODECAMETHYLP ENTASILOXANE*** 141-63-9	90 - 100%	205-492-2***	-	-	-	-	-

Full text of H- and EUH-phrases: see section 16This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (UK REACH Article 59)**SECTION 4: First aid measures****4.1. Description of first aid measures****General advice**

Use personal protection recommended in Section 8.***

Inhalation

IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Get medical attention if symptoms occur.***

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms occur.***

Skin contact

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if symptoms occur.***

Ingestion

Rinse mouth thoroughly with water. Do NOT induce vomiting. Get medical attention if symptoms occur.***

4.2. Most important symptoms and effects, both acute and delayed**Eyes**

May cause temporary eye irritation.***

4.3. Indication of any immediate medical attention and special treatment needed**Note to doctors**

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Dry chemical, CO2, alcohol-resistant foam or water spray.***
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical	When heated and in case of fire, toxic vapours/gases may be formed. Flash back possible over considerable distance. Closed containers can burst violently when heated, due to excess pressure build-up. Fire burns more vigorously than would be expected. Vapours may form explosive mixtures with air.***
Hazardous combustion products	Carbon oxides. Silicon oxides. Formaldehyde.***

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Ensure adequate ventilation. Use personal protection recommended in Section 8. Avoid contact with skin, eyes and inhalation of vapours. Remove all sources of ignition.***
For emergency responders	Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions	See Section 12 for additional Ecological Information.
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6.3. Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Use non-sparking tools. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Suppress (knock down) gases/vapours/mists with a water spray jet. Take up mechanically, placing in appropriate containers for disposal.***
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections	See section 8 for more information. See section 13 for more information.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling	Ensure adequate ventilation. Use personal protection recommended in Section 8. Avoid
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contact with skin, eyes and inhalation of vapours. Keep container closed when not in use. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharge. Avoid release to the environment. Handle in accordance with good industrial hygiene and safety practice. Empty containers retain product residue and can be hazardous.***

General hygiene considerations Wash hands before breaks and immediately after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed in a dry and well-ventilated place. Keep in properly labelled containers. Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with: Strong oxidising agents. Explosives. Gases.***

7.3. Specific end use(s)

Specific use(s)

See section 1 for more information.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Biological occupational exposure limits This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) - Workers ***

Chemical name	Oral	Dermal	Inhalation
DODECAMETHYLPENTASILOXANE* ** 141-63-9		1449 mg/kg/day [4] [7]***	102 mg/m ³ [4] [7]***

[4] Systemic health effects.***
[7] Short term.***

Derived No Effect Level (DNEL) - General Public ***

Chemical name	Oral	Dermal	Inhalation
DODECAMETHYLPENTASILOXANE* ** 141-63-9	7.3 mg/kg/day [4] [7]***	731 mg/kg/day [4] [7]***	25 mg/m ³ [4] [7]***

[4] Systemic health effects.***
[7] Short term.***

Predicted No Effect Concentration (PNEC) ***

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
DODECAMETHYLPENTA SILOXANE*** 141-63-9	0.36 mg/kg***	0.037 mg/kg***		3.34 mg/kg***	> 1 mg/l***

8.2. Exposure controls

Engineering controls No information available.

Personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Use eye protection according to EN 166.***

Hand protection Wear suitable gloves. Gloves must conform to standard EN 374.***

Gloves			
Duration of contact	PPE - Glove material	Glove thickness	Break through time
	Wear protective butyl rubber gloves***	> 0.35 mm***	> 60 minutes***
	Rubber (natural, latex)***	> 0.35 mm***	> 60 minutes***
	Wear protective Neoprene™ gloves***	> 0.35 mm***	> 60 minutes***
	Wear protective nitrile rubber gloves***	> 0.35 mm***	> 60 minutes***
	Polyvinyl chloride (PVC)***	> 0.35 mm***	> 60 minutes***

Skin and body protection Wear appropriate clothing to prevent reasonably probable skin contact.***

Respiratory protection Use appropriate respiratory protection.***
Organic gases and vapours filter conforming to EN 14387. Type A.***

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state Liquid***
Appearance Liquid***
Colour Colourless***
Odour Odourless.***
Odour threshold No information available

Property	Values
Melting point / freezing point	
Initial boiling point and boiling range	230*** °C***
Flammability	
Flammability Limit in Air	
Upper flammability or explosive limits	
Lower flammability or explosive limits	

Remarks • Method
 No information available
 @ 760 mmHg***
 No information available
 No information available

Flash point	87*** °C***	Tag Closed Cup***
Autoignition temperature		No information available
Decomposition temperature		No information available
pH		No information available
pH (as aqueous solution)		No information available
Kinematic viscosity	2*** cSt***	@ 25 °C***
Dynamic viscosity		No information available
Water solubility		No information available
Solubility(ies)		No information available
Partition coefficient	log Pow: 9.26***	***
Vapour pressure		No information available
Relative density	0.872***	***
Bulk density		
No information available		Relative vapour density
Not applicable***		Particle characteristics
		Particle Size
		Particle Size
		Distribution
Explosive properties	Not considered to be explosive***	
Oxidising properties	Does not meet the criteria for classification as oxidising***	

9.2. Other information**SECTION 10: Stability and reactivity****10.1. Reactivity**

Reactivity No known effects under normal use conditions.***

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions The following materials may react with the product: Strong oxidising agents. When heated, vapours/gases hazardous to health may be formed. Temperatures above 150 °C / 300 °F. Formaldehyde. Provide adequate ventilation. Vapours may form explosive mixtures with air.***

10.4. Conditions to avoid

Conditions to avoid Heat, flames and sparks.***

10.5. Incompatible materials

Incompatible materials Strong oxidising agents.***

10.6. Hazardous decomposition products

Hazardous decomposition products Carbon oxides. Silicon oxides. Formaldehyde.***

SECTION 11: Toxicological information

11.1. Information on toxicological effects**Information on likely routes of exposure****Product Information**

Inhalation	Inhalation of vapours in high concentration may cause irritation of respiratory system.***
Eye contact	May cause temporary eye irritation.***
Skin contact	Non-irritating during normal use.***
Ingestion	Gastrointestinal discomfort.***

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	No information available.
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Acute toxicity**Numerical measures of toxicity**

No information available

ATEmix (oral)	> 2000*** mg/kg***
ATEmix (dermal)	> 2000*** mg/kg***

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	Non-irritating during normal use.***
Serious eye damage/eye irritation	May cause temporary eye irritation.***
Respiratory or skin sensitisation	Based on available data the classification criteria are not met.***
Germ cell mutagenicity	Did not show mutagenic effects in animal experiments.***
Carcinogenicity	No information available.
Reproductive toxicity	This product does not contain any known or suspected reproductive hazards.***
STOT - single exposure	Based on available data the classification criteria are not met.***
STOT - repeated exposure	Based on available data the classification criteria are not met.***
Aspiration hazard	Not determined.***
Other adverse effects	No information available.

SECTION 12: Ecological information

12.1. Toxicity**Ecotoxicity**

The environmental impact of this product has not been fully investigated.

Method	Species	Endpoint type	Effective dose	Exposure time	Results
OECD Test No. 203: Fish, Acute Toxicity Test***	Oncorhynchus mykiss (rainbow trout)***	LC50***	> 0.000075 mg/L***	96 hours***	
	Pseudokirchneriella subcapitata***	EC50***	>0.035 ug/l***	72 hours***	
Chronic aquatic toxicity***	Daphnia magna***	NOEC***	0.000047 mg/L***	21 days***	
DODECAMETHYLPENTASILOXANE (141-63-9)					
Method	Species	Endpoint type	Effective dose	Exposure time	Results
OECD Test No. 203: Fish, Acute Toxicity Test***	Oncorhynchus mykiss (rainbow trout)***	LC50***	> 0.000075 mg/L***	96 hours***	
	Pseudokirchneriella subcapitata***	EC50***	>0.035 ug/l***	72 hours***	
Chronic aquatic toxicity***	Daphnia magna***	NOEC***	0.000047 mg/L***	21 days***	

12.2. Persistence and degradability**Persistence and degradability**

Not readily biodegradable.***

Method	Exposure time	Value	Results
OECD 310***	28 days***	Biodegradation 0 %***	Not readily biodegradable***
DODECAMETHYLPENTASILOXANE (141-63-9)			
Method	Exposure time	Value	Results
OECD 310***	28 days***	Biodegradation 0 %***	Not readily biodegradable***

12.3. Bioaccumulative potential**Bioaccumulation**

May bioaccumulate.***

Chemical name	Partition coefficient
DODECAMETHYLPENTASILOXANE***	9.26***

12.4. Mobility in soil**Mobility in soil**

No information available.

12.5. Results of PBT and vPvB assessment**PBT and vPvB assessment**

The product does not contain any substance(s) classified as PBT or vPvB.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Waste from residues/unused products**

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging

Do not reuse empty containers.

SECTION 14: Transport information**IATA**

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	No***
14.6 Special precautions for user	
Special Provisions	None

IMDG

14.1 UN number or ID number	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	No***
14.6 Special precautions for user	
Special Provisions	None
14.7 Maritime transport in bulk according to IMO instruments	No information available

RID

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	No***
14.6 Special precautions for user	
Special Provisions	None

ADR

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	No***
14.6 Special precautions for user	
Special Provisions	None

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations**

Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (UK REACH - Annex XIV).

This product does not contain substances subject to restriction (UK REACH - Annex XVII).

Persistent Organic Pollutants

Not applicable

Export Notification requirements

Not applicable

Named dangerous substances per COMAH Regulations 2015 (as amended)

Not applicable

The Ozone-Depleting Substances Regulations 2015

Not applicable

The Biocidal Products Regulations 2001 (as amended)

Not applicable

The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)

Not applicable

Poisons Act 1972 (Explosive Precursors) Regulations (as Amended)

Not applicable

International Inventories

TSCA	Contact supplier for inventory compliance status
DSL/NDL	Contact supplier for inventory compliance status
EINECS/ELINCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status
IECSC	Contact supplier for inventory compliance status
KECL	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
AIIC	Contact supplier for inventory compliance status
NZIoC	Contact supplier for inventory compliance status

Legend:

TSCA	- United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL	- Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS	- European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS	- Japan Existing and New Chemical Substances
IECSC	- China Inventory of Existing Chemical Substances
KECL	- Korean Existing and Evaluated Chemical Substances
PICCS	- Philippines Inventory of Chemicals and Chemical Substances
AIIC	- Australian Inventory of Industrial Chemicals
NZIoC	- New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information**Key or legend to abbreviations and acronyms used in the safety data sheet****Legend**

SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitisers		
Revision Note ***Indicates updated data since last publication			

Classification procedure

Classification according to Regulation (EC) No. 1272/2008 [CLP] Method Used

Acute oral toxicity***	Calculation method***
Acute dermal toxicity***	Calculation method***
Acute inhalation toxicity - gas***	Calculation method***
Acute inhalation toxicity - vapour***	Calculation method***
Acute inhalation toxicity - dust/mist***	Calculation method***
Skin corrosion/irritation***	Calculation method***
Serious eye damage/eye irritation***	Calculation method***
Respiratory sensitisation***	Calculation method***
Skin sensitisation***	Calculation method***
Mutagenicity***	Calculation method***
Carcinogenicity***	Calculation method***
Reproductive toxicity***	Calculation method***
STOT - single exposure***	Calculation method***
STOT - repeated exposure***	Calculation method***
Acute aquatic toxicity***	Calculation method***
Chronic aquatic toxicity***	Calculation method***
Aspiration hazard***	Calculation method***
Ozone***	Calculation method***

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
EPA (Environmental Protection Agency)
Acute Exposure Guideline Level(s) (AEGL(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
Organisation for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Prepared By Lisa Bland***

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This material safety data sheet complies with the requirements of UK REACH Regulations (SI 2019/758 as amended)
Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Disclaimer

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.

End of Safety Data Sheet