SAFETY DATA SHEET
XIAMETER MEM-8194 EMULSION

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

1.1. Product identifier

Product name XIAMETER MEM-8194 EMULSION

Product number 13661

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

Identified uses Cosmetics

1.3. Details of the supplier of the safety data sheet

Supplier

Univar
Aquarius House
6 Mid Point Business Park
Bradford
BD3 7AY
+44 1274 267300
sds@univar.com
+44 1274 267306

1.4. Emergency telephone number

Emergency Contact Number (Office Hours) +44 1274 267346

Emergency Contact Number (Outside Office Hours) +441865 407333

Sds No. 13661

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards Skin Corr. 1B - H314 Eye Dam. 1 - H318

Environmental hazards Aquatic Acute 1 - H400 Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC) C; R34. N; R50, R51/53

2.2. Label elements

Pictogram

Signal word Danger

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Hazard statements H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents/container in accordance with national regulations.

Contains POLYOXYETHYLATED, C11-14 ALCOHOLS, CETRIMONIUM CHLORIDE

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

DIMETHYL, METHYL(AMINOETHYLAMINOISOBUTYL) SILOXANE WITH METHYLSILSESQUIOXANE,HYDROXY-TERMINATED **10-30%**

CAS number: 863918-80-3

Classification
Skin Irrit. 2 - H315
Eye Irrit. 2 - H319

Classification (67/548/EEC or 1999/45/EC)
Xi;R36/38.

POLYOXYETHYLATED, C11-14 ALCOHOLS **5-10%**

CAS number: 78330-21-9

Classification
Eye Dam. 1 - H318
Acute Tox. 4 - H302

Classification (67/548/EEC or 1999/45/EC)
Xn;R22. Xi;R41.

CETRIMONIUM CHLORIDE **5-10%**

CAS number: 112-02-7 EC number: 203-928-6

M factor (Acute) = 10 M factor (Chronic) = 1

Classification
Acute Tox. 4 - H302
Acute Tox. 3 - H311
Skin Corr. 1B - H314
Eye Dam. 1 - H318
Aquatic Acute 1 - H400
Aquatic Chronic 1 - H410

Classification (67/548/EEC or 1999/45/EC)
Xn;R22,R21/22. N;R50.

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OCTAMETHYLCYCLOTETRASILOXANE		1-5%
CAS number: 556-67-2	EC number: 209-136-7	

Classification	Classification (67/548/EEC or 1999/45/EC)
Repr. 2 - H361f Aquatic Chronic 4 - H413	Repr. Cat. 3;R62 R53

METHANOL		<1%
CAS number: 67-56-1	EC number: 200-659-6	REACH registration number: 01-2119433307-44

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370	F;R11 T;R23/24/25,R39/23/24/25

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

Composition comments The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Move affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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

Ingestion May cause discomfort if swallowed.

Skin contact Prolonged skin contact may cause redness and irritation.

Eye contact Severe irritation, burning and tearing.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor No specific recommendations. If in doubt, get medical attention promptly.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

5.2. Special hazards arising from the substance or mixture

Specific hazards Oxides of the following substances: Carbon.

5.3. Advice for firefighters

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Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. Avoid contact with skin and eyes. Provide adequate ventilation.

6.2. Environmental precautions

Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with inert, damp, non-combustible material. Flush contaminated area with plenty of water. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid inhalation of vapours and spray/mists. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep container tightly closed. Keep only in the original container. Store in closed original container at temperatures between 0°C and 40°C.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

OCTAMETHYLCYCLOTETRASILOXANE

Long-term exposure limit (8-hour TWA): SUP 10 ppm

METHANOL

Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m³
Long-term exposure limit (8-hour TWA): WEL 200 ppm 266 mg/m³
Sk

Sk = Can be absorbed through the skin.
WEL = Workplace Exposure Limit

Ingredient comments WEL = Workplace Exposure Limits

POLYOXYETHYLATED, C11-14 ALCOHOLS (CAS: 78330-21-9)

Ingredient comments No exposure limits known for ingredient(s).

OCTAMETHYLCYCLOTETRASILOXANE (CAS: 556-67-2)

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DNEL

Workers - Inhalation; Short term systemic effects: 73 mg/m³
Workers - Inhalation; Short term local effects: 73 mg/m³
Workers - Inhalation; Long term systemic effects: 73 mg/m³
Workers - Inhalation; Long term local effects: 73 mg/m³
Consumer - Inhalation; Short term systemic effects: 13 mg/m³
Consumer - Inhalation; Short term local effects: 13 mg/m³
Consumer - Inhalation; Long term systemic effects: 13 mg/m³
Consumer - Inhalation; Long term local effects: 13 mg/m³
Consumer - Oral; Short term systemic effects: 3.7 mg/kg/day
Consumer - Oral; Long term systemic effects: 3.7 mg/kg/day

PNEC

- Fresh water; 0.00044 mg/l
- Marine water; 0.000044 mg/l
- Sediment (Freshwater); 0.128 mg/kg
- Sediment (Marinewater); 0.013 mg/kg
- Soil; 0.136 mg/kg
- STP; > 10 mg/l

METHANOL (CAS: 67-56-1)

DNEL

Workers - Inhalation; Long term systemic effects: 260 mg/m³
Workers - Inhalation; Short term systemic effects: 260 mg/m³
Workers - Inhalation; Long term local effects: 260 mg/m³
Workers - Inhalation; Short term local effects: 260 mg/m³
Workers - Dermal; Long term systemic effects: 40 mg/m³
Workers - Dermal; Long term systemic effects: 40 mg/kg/day
General population - Inhalation; Long term systemic effects: 50 mg/m³
General population - Inhalation; Short term systemic effects: 50 mg/m³
General population - Inhalation; Long term local effects: 50 mg/m³
General population - Inhalation; Short term local effects: 50 mg/m³
General population - Dermal; Long term systemic effects: 8 mg/kg/day
General population - Dermal; Short term systemic effects: 8 mg/kg/day

DMEL

Workers - Dermal; Long term systemic effects: 40 mg/kg/day

PNEC

- Fresh water; 20.8 mg/l
- Marine water; 2.08 mg/l
- Intermittent release; 1540 mg/l
- STP; 100 mg/l
- Sediment (Freshwater); 77 mg/kg
- Sediment (Marinewater); 7.7 mg/kg
- Soil; 3.18 mg/kg

8.2. Exposure controls

Protective equipment

Eye/face protection The following protection should be worn: Chemical splash goggles.

Hand protection Use protective gloves.

Other skin and body protection Wear rubber apron. Wear rubber footwear.

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Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	White. to Yellow.
Odour	Fishy.
pH	pH (concentrated solution): 7.8
Initial boiling point and range	> 65°C @
Flash point	> 100°C CC (Closed cup).
Relative density	1.0 @ °C
Viscosity	50 cSt @ 25°C

9.2. Other information

Other information	Not determined.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability	Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Not determined.

10.4. Conditions to avoid

Conditions to avoid	Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid	Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products	Oxides of the following substances: Carbon. Nitrogen.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	2,000
Species	Rat
ATE oral (mg/kg)	3,225.80645161

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	2,000

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Species	Rabbit
ATE dermal (mg/kg)	4,225.35211268

Acute toxicity - inhalation

ATE inhalation (gases ppm)	700,000.0
ATE inhalation (vapours mg/l)	3,000.0
ATE inhalation (dusts/mists mg/l)	500.0

Inhalation	May cause respiratory system irritation.
Ingestion	Swallowing concentrated chemical may cause severe internal injury.
Skin contact	Irritating to skin.
Eye contact	Risk of serious damage to eyes.

Toxicological information on ingredients.

POLYOXYETHYLATED, C11-14 ALCOHOLS

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	3,950
Species	Rat

Inhalation	May cause respiratory system irritation.
Ingestion	Harmful if swallowed. Gastrointestinal symptoms, including upset stomach.
Skin contact	Liquid may irritate skin.
Eye contact	Risk of serious damage to eyes. Irritation of eyes and mucous membranes.
Target organs	Eyes Skin

OCTAMETHYLCYCLOTETRASILOXANE

Other health effects	Toxic to Reproduction Category 3.

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	4,800.0
Species	Rat
ATE oral (mg/kg)	4,800

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	2,500.0
Species	Rabbit
ATE dermal (mg/kg)	2,500.0

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Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} vapours mg/l)	2,971.60
Species	Rabbit
ATE inhalation (vapours mg/l)	2,971.6

Inhalation	May cause respiratory system irritation.
Ingestion	Gastrointestinal symptoms, including upset stomach.
Skin contact	Irritating to skin.
Eye contact	Irritating to eyes.
Medical considerations	Octamethylcyclotetrasiloxane administered to rats by inhalation at concentrations of 500 and 700 ppm resulted in statistically significant decreases in the number of pups born and the live litter size in both the first and second generations. Prolonged estrous cycles, and decreased mating and fertility indices were observed following 700 ppm exposure in the second generation only. There were also increases in the incidence of deliveries of offspring extending over an unusually long time period (dystocia). Results from a 2 year repeated vapor inhalation exposure study to rats of octamethylcyclotetrasiloxane (D4) indicate effects (benign uterine adenomas) in the uterus of female animals. This finding occurred at the highest exposure dose (700 ppm) only. Studies to date have not demonstrated if these effects occur through pathways that are relevant to humans. Based on the available information on its potential to cause harm to human health, Health Canada, in a 2008 screening assessment, has concluded that octamethylcyclotetrasiloxane is not entering the environment in a quantity or concentration or under conditions that constitute or may constitute a danger in Canada to human life or health http://www.ec.gc.ca/substances/ese/eng/challenge/batch2/batch2_556-67-2.cfm). Repeated exposure in rats to D4 resulted in what appears to be protoporphyrin accumulation in the liver. Without knowledge of the specific mechanism leading to the protoporphyrin accumulation the relevance of this finding to humans is unknown.

SECTION 12: Ecological Information

Ecotoxicity The product contains a substance which is very toxic to aquatic organisms.

Ecological information on ingredients.

POLYOXYETHYLATED, C11-14 ALCOHOLS

Ecotoxicity The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

OCTAMETHYLCYCLOTETRASILOXANE

Ecotoxicity The product contains a substance which may cause long-term adverse effects in the environment.

12.1. Toxicity

Toxicity Very toxic to aquatic organisms.

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Ecological information on ingredients.

POLYOXYETHYLATED, C11-14 ALCOHOLS

Acute toxicity - fish	LC_{50}, 96 hours: 1 - 10 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 1 - 10 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC_{50}, 72 hours: 1 - 10 mg/l, Algae

CETRIMONIUM CHLORIDE

Acute aquatic toxicity

LE(C)$_{50}$	0.01 < L(E)C50 ≤ 0.1
M factor (Acute)	10
Acute toxicity - fish	LC_{50}, 96 hours: 0.71 mg/l, Fish

Chronic aquatic toxicity

NOEC	0.01 < NOEC ≤ 0.1
Degradability	Non-rapidly degradable
M factor (Chronic)	1

OCTAMETHYLCYCLOTETRASILOXANE

Toxicity	Not considered toxic to fish.
Acute toxicity - fish	LC_{50}, 96 hours: > 0.022 mg/l, Onchorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: > 0.015 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

Ecological information on ingredients.

POLYOXYETHYLATED, C11-14 ALCOHOLS

Persistence and degradability	The product is biodegradable. The non-ionic surfactant is biodegradable according to the EC screening test (BiAS).

CETRIMONIUM CHLORIDE

Persistence and degradability	The product is biodegradable.

OCTAMETHYLCYCLOTETRASILOXANE

Persistence and degradability	There are no data on the degradability of this product.

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12.3. Bioaccumulative potential

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

Ecological information on ingredients.

POLYOXYETHYLATED, C11-14 ALCOHOLS

Bioaccumulative potential No data available on bioaccumulation.

OCTAMETHYLCYCLOTETRASILOXANE

Partition coefficient : 5.1

12.4. Mobility in soil

Mobility Not determined.

Ecological information on ingredients.

POLYOXYETHYLATED, C11-14 ALCOHOLS

Mobility The product is soluble in water.

OCTAMETHYLCYCLOTETRASILOXANE

Mobility The product contains organic solvents which will evaporate easily from all surfaces.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

Ecological information on ingredients.

POLYOXYETHYLATED, C11-14 ALCOHOLS

Results of PBT and vPvB assessment No information available.

OCTAMETHYLCYCLOTETRASILOXANE

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects Not determined.

Ecological information on ingredients.

POLYOXYETHYLATED, C11-14 ALCOHOLS

Other adverse effects Not determined.

OCTAMETHYLCYCLOTETRASILOXANE

Other adverse effects Not available.

SECTION 13: Disposal considerations

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13.1. Waste treatment methods

General information Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Do not puncture or incinerate, even when empty.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General Wear protective clothing as described in Section 8 of this safety data sheet.

14.1. UN number

UN No. (ADR/RID) 3082

UN No. (IMDG) 3082

UN No. (ICAO) 3082

14.2. UN proper shipping name

Proper shipping name (ADR/RID) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS CETRIMONIUM CHLORIDE, HEXADECYLDIMETHYLAMINE)

Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS CETRIMONIUM CHLORIDE, HEXADECYLDIMETHYLAMINE)

Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS CETRIMONIUM CHLORIDE, HEXADECYLDIMETHYLAMINE)

Proper shipping name (ADN) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS CETRIMONIUM CHLORIDE, HEXADECYLDIMETHYLAMINE)

14.3. Transport hazard class(es)

ADR/RID class 9

ADR/RID subsidiary risk

ADR/RID label 9

IMDG class 9

IMDG subsidiary risk

ICAO class/division 9

ICAO subsidiary risk

Transport labels

14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

14.5. Environmental hazards

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Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user

EmS	F-A, S-F
Emergency Action Code	•3Z
Hazard Identification Number (ADR/RID)	90
Tunnel restriction code	(E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	No information required.

SECTION 15: Regulatory information

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

National regulations	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). This product may impact SEVESO storage regulations.
Guidance	CHIP for everyone HSG228. Workplace Exposure Limits EH40. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131.
Inventory Information	EINECS IECS PICCS AICS DSL KECL ENCS TSCA

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments	NOTE: Lines within the margin indicate significant changes from the previous revision.
Revision date	09/04/2015
Revision	02
Supersedes date	12/12/2011
SDS number	13661
SDS status	Approved.
Signature	Jitendra Panchal

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Risk phrases in full

R21/22 Harmful in contact with skin and if swallowed.
R34 Causes burns.
R50 Very toxic to aquatic organisms.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard statements in full

H225 Highly flammable liquid and vapour.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H361f Suspected of damaging fertility.
H370 Causes damage to organs .
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.

TURKISH SIGNATURE