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

1.1. Product identifier

Trade name	:	TEGO FOAMEX 1488 MF
Chemical Name	:	emulsion of organo-modified polysiloxanes

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

Relevant applications identified	:	Industrial Use
Applications which are not advised	:	None known.

1.3. Details of the supplier of the safety data sheet

Company	:	Evonik Nutrition & Care GmbH Goldschmidtstr. 100 D-45127 Essen
Telephone	:	+49 (0)201 173-01
Telefax	:	+49 (0)201 173-3000
E-mail	:	productsafety-cs@evonik.com

1.4. Emergency telephone number

+49 (0)2365 49-2232 (TUIS - Interpreting service available)

+49 (0)2365 49-4423 (TUIS - Fax)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Not a hazardous substance or mixture.

2.2. Label elements

Not a hazardous substance or mixture.

2.3. Other hazards

None known

SECTION 3: Composition/information on ingredients

emulsion of organo-modified polysiloxanes

3.1. Substances

-

3.2. Mixtures

Information on ingredients / Hazardous components as per EU-CLP Regulation (EC) No. 1272/2008

Chemical Name	CAS-No. EC-No. REACH-No.	Concentration	Classification
Octadecan-1-ol,	9005-00-9	>= 1 % - < 2,5 %	Aquatic Chronic, 2 , H411

ethoxylated, < 2.5 EO	500-017-8 01-2119977092-34		

Texts of H phrases, see in Chapter 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice : Remove soiled or soaked clothing immediately

Inhalation : Ensure supply of fresh air.
In the event of symptoms seek medical advice.

Skin contact : In case of contact with skin wash off with soap and water.
In the event of symptoms seek medical advice.

Eye contact : In case of contact with eyes rinse thoroughly with water.
In the event of symptoms seek medical advice.

Ingestion : Thoroughly clean the mouth with water
In the event of symptoms seek medical advice.

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

Symptoms : No special hints.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : foam, carbon dioxide, dry powder, water spray.

Unsuitable extinguishing media : Full water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released:
- Carbon monoxide, carbon dioxide, silicon dioxide

5.3. Advice for firefighters

Do not inhale explosion and/or combustion gases
Use self-contained breathing apparatus

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

6.2. Environmental precautions

Do not allow to enter drains or waterways
Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder)
Dispose of absorbed material in accordance with the regulations.

6.4. Reference to other sections

For further information on exposure monitoring and disposal see sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling	:	No special measures necessary if stored and handled as prescribed.
Hygiene measures	:	Wash hands before breaks and after work. Do not eat, drink or smoke when working. Remove soiled or soaked clothing immediately.
General protective measures	:	Do not inhale gases/vapours/aerosols. Avoid contact with eyes and skin

7.2. Conditions for safe storage, including any incompatibilities

Prevention of fire and explosion

Information	:	No special measures required.

Storage

Information	:	none
Further information on storage conditions	:	Keep container tightly closed PROTECT FROM FREEZING!

7.3. Specific end use(s)

No further recommendations.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

DNEL : **Octadecan-1-ol, ethoxylated, < 2.5 EO**
End Use: worker
Routes of exposure: inhalation, long term
Possible health damage: systemic effects
DNEL/DMEL values: 8 h
Dose: 294 mg/m3

End Use: worker
Routes of exposure: dermal, long-term
Possible health damage: systemic effects
DNEL/DMEL values: 8 h
Dose: 2080 mg/kg

End Use: consumer
Routes of exposure: inhalation, long term
Possible health damage: systemic effects
DNEL/DMEL values: 24 h
Dose: 87 mg/m3

End Use: consumer
Routes of exposure: dermal, long-term
Possible health damage: systemic effects
DNEL/DMEL values: 24 h
Dose: 1250 mg/kg

End Use: consumer
Routes of exposure: oral, long-term
Possible health damage: systemic effects

DNEL/DMEL values: 24 h
Dose: 25 mg/kg

PNEC : **Octadecan-1-ol, ethoxylated, < 2.5 EO**
Environmental compartment: marine water
Dose: 0,0019 mg/l

Environmental compartment: freshwater
Dose: 0,0019 mg/l

Environmental compartment: intermittent release
Dose: 0,1 mg/l

Environmental compartment: Wastewater treatment plant
Dose: 1,4 mg/l

Environmental compartment: marine water sediment
Dose: 81,1 mg/kg

Environmental compartment: Fresh water sediment
Dose: 81,1 mg/kg

8.2. Exposure controls

Eye protection : This product is not classified as a hazardous substance. Any necessity for eye protection must be determined within the scope of a risk assessment.

Hand protection : PVC gloves
The protective gloves to be worn must satisfy the specifications of EC Guideline 89/686/EEC and the resulting Standard EN374.
Specific workplace situations must be considered separately.

Body Protection : protective clothing

Respiratory protection : in case of formation of vapours/aerosols:
Short term: filter apparatus, combination filter A-P2

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	liquid
Form	:	liquid
Colour	:	white
Odour	:	slight, typical
Odour Threshold	:	not measured
pH	:	7 - 9 100 g/l Remarks: delivered form
Melting point	:	ca. 0 °C
Boiling point	:	Boiling temperature ca. 100 °C
Flash point	:	not applicable

Evaporation rate	:	not measured
Flammability	:	no data available
Upper Explosion/Ignition Limit	:	not applicable
Lower explosion limit	:	not applicable
Vapour pressure	:	not measured
Relative vapour density	:	not measured
Relative density	:	No data available
Solubility(ies)	:	not measured
Water solubility	:	miscible
Partition coefficient: n-octanol/water	:	not measured
Autoignition temperature	:	not measured
Thermal decomposition	:	not measured
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	50 - 250 mPa·s (20 °C)
Explosive properties	:	not measured
Oxidising properties	:	not measured
Density	:	ca. 1 g/cm3 (20 °C)

9.2. Other information

Metal corrosion	:	not measured
Ignition temperature	:	not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

see section "Possibility of hazardous reactions"

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

No hazardous reactions with proper storage and handling.

10.4. Conditions to avoid

Unknown

10.5. Incompatible materials

Unknown

10.6. Hazardous decomposition products

None with proper storage and handling.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	No data available
Acute toxicity (inhalation)	:	no data available
Acute toxicity (dermal)	:	no data available
Irritation/corrosion of the skin	:	no data available
Serious eye damage/ eye irritation	:	no data available
Respiratory/skin sensitization	:	no data available
Repeated dose toxicity	:	no data available

CMR assessment

Carcinogenicity	:	No data available
Mutagenicity	:	no data available
Teratogenicity	:	No data available
Toxicity to reproduction	:	No data available
Specific Target Organ Toxicity - Single exposure	:	no data available
Specific Target Organ Toxicity - Repeated exposure	:	no data available
Aspiration hazard	:	No aspiration toxicity classification
Other information	:	Proper use provided, no adverse health effects have been observed or have been come to our knowledge. Eye contact may produce an oil film over the eye-ball causing a harmless reversible shortlasting dimness of sight.

SECTION 12: Ecological information

Ecotoxicology Assessment

Acute aquatic toxicity	:	This product has no known ecotoxicological effects.
Chronic aquatic toxicity	:	Labelling not required according to EU-CLP Ordinance (1272/2008).

12.1. Toxicity

Aquatoxicity, fish	:	No data available

Aquatoxicity, invertebrates	:	No data available
Aquatoxicity, algae / aquatic plants	:	No data available
Toxicity in microorganisms	:	No data available
chronic toxicity in fish	:	No data available
Chronic toxicity in aquatic Invertebrates	:	No data available
Toxicity in organisms which live in the soil	:	No data available
Toxicity in terrestrial plants	:	No data available
Toxicity to Above-Ground Organisms	:	No data available

12.2. Persistence and degradability

Photodegradation	:	No data available
Biological degradability	:	No data available
Physico-chemical removability	:	No data available
Biochemical Oxygen Demand (BOD)	:	No data available
Chemical Oxygen Demand (COD)	:	No data available
relation of BOD/COD	:	No data available
Dissolved organic carbon (DOC)	:	No data available
Adsorbed organic bound halogens (AOX)	:	No data available
Distribution among environmental compartments	:	No data available

12.3. Bioaccumulative potential

Bioaccumulation : No data available

12.4. Mobility in soil

Environmental distribution : No data available

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6. Other adverse effects

General Information : The product is considered to be a weak water pollutant (German law).
Do not allow to enter soil, waterways or waste water canal.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product : In accordance with local authority regulations, take to special waste incineration plant

Contaminated packaging : If empty contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards.

SECTION 14: Transport information

Not dangerous according to transport regulations.

14.1.	UN number:	**--**
14.2.	UN proper shipping name:	**--**
14.3.	Transport hazard class(es):	**--**
14.4.	Packing group:	**--**
14.5.	Environmental hazards:	**--**
14.6	Special precautions for user:	No

SECTION 15: Regulatory information

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

National legislation

Technical instructions on Air Quality : 5.2.5 (no class)

Major Accident Hazard Legislation : ---

Water contaminating class (Germany) : slightly water endangering
Classification acc. to German law

Risk classification according to BetrSichV (Germany) : ---

15.2. Chemical safety assessment

Chemical safety assessment : No chemical safety assessment was carried out for this product.

SECTION 16: Other information

List of references

Other information : Comply with national laws regulating employee instruction.

Classification and applied procedure to derive the classification of mixtures according to EU Regulation (EC) No. 1272/2008 (CLP)

Relevant H phrases from chapter 3

H411 : Toxic to aquatic life with long lasting effects.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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Legend

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADNR	European agreement concerning the international carriage of dangerous goods by inland waterways (ADN)
ASTM	American Society for Testing and Materials
ATP	Adaptation to Technical Progress
BCF	Bioconcentration factor
BetrSichV	German Ordinance on Industrial Safety and Health
c.c.	closed cup
CAS	Chemical Abstract Services
CESIO	European Committee of Organic Surfactants and their Intermediates
ChemG	German Chemicals Act
CMR	carcinogenic-mutagenic-toxic for reproduction
DIN	German Institute for Standardization
DMEL	Derived minimum effect level
DNEL	Derived no effect level
EINECS	European Inventory of Existing Commercial Chemical Substances
EC50	half maximal effective concentration
GefStoffV	German Ordinance on Hazardous Substances
GGVSEB	German ordinance for road, rail and inland waterway transportation of dangerous goods
GGVSee	German ordinance for sea transportation of dangerous goods
GLP	Good Laboratory Practice
GMO	Genetic Modified Organism
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
ISO	International Organization For Standardization
LOAEL	Lowest observed adverse effect level
LOEL	Lowest observed effect level
NOAEL	No observed adverse effect level
NOEC	no observed effect concentration
NOEL	no observed effect level
o. c.	open cup
OECD	Organisation for Economic Cooperation and Development
OEL	Occupational Exposure Limit
PBT	Persistent, bioaccumulative, toxic
PEC	Predicted effect concentration
PNEC	Predicted no effect concentration
REACH	REACH registration
RID	Convention concerning International Carriage by Rail
STOT	Specific Target Organ Toxicity
SVHC	Substances of Very High Concern
TA	Technical Instructions
TPR	Third Party Representative (Art. 4)
TRGS	Technical Rules for Hazardous Substances
VCI	German chemical industry association
vPvB	very persistent, very bioaccumulative
VOC	volatile organic compounds
VwVwS	German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes
WGK	Water Hazard Class
WHO	World Health Organization