1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : TEGO ANTIFOAM 7001

Chemical Name : Polyether siloxane emulsion

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

Relevant applications identified : Industrial applications

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

Emergency information : +49 (0)201 173-01 (Phone)
+49 (0)201 173-1854 (Fax)

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 according to Regulation (EC) No. 1272/2008.

Classification according to EU Directives 67/548/EEC or 1999/45/EC

No particular hazards known.

2.2. Label elements

The product does not require a hazard warning label in accordance with GHS. The normal safety precautions for the handling of chemicals must be observed.

2.3. Other hazards

None known

3. Composition/information on ingredients

Polyether siloxane emulsion

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
Octamethylcyclotetrasiloxane	556-67-2 209-136-7 01-2119529238-36	>= 0,1 % - < 0,5 %	H361f, 2 , Repr. H413, 4 , Aquatic Chronic H226, 3 , Flam. Liq.

Information on ingredients / Hazardous components as per Directive 67/548/EC or Directive 1999/45/EC

Chemical Name	CAS-No. EC-No. REACH-No.	Concentration	Classification
Octamethylcyclotetrasiloxane	556-67-2 209-136-7 01-2119529238-36	>= 0,1 % - < 0,5 %	Xn; R53, R62

Texts of H phrases, see in Chapter 16
See chapter 16 for text of risk phrases

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.

5. Fire-fighting 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

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.

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	:	Do not eat, drink or smoke when working. Wash hands before breaks and after work. 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
German storage class	:	10

7.3. Specific end use(s)

No further recommendations.

8. Exposure controls/personal protection

8.1. Control parameters

DNEL	:	No DNEL/DMEL values on file.
PNEC	:	No PNEC values on file.

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

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	liquid
Form	:	liquid

Colour	:	white
Odour	:	characteristic
Odour Threshold	:	not measured
pH	:	8 - 10 (25 °C)
Melting point	:	not measured
Boiling point	:	not measured
Flash point	:	> 100 °C Method: DIN EN 22719 (DIN 51758)
Evaporation rate	:	not measured
Flammability	:	no data available
Upper Explosion/Ignition Limit	:	not measured
Lower explosion limit	:	not measured
Vapour pressure	:	not measured
Relative vapour density	:	not measured
Relative density	:	no data available
Solubility	:	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	:	ca. 150 mPa·s (25 °C)
Explosive properties	:	not measured
Oxidising properties	:	not measured

9.2. Other information

Density	:	ca. 1 g/cm3 (25 °C) Method: DIN 51757
Metal corrosion	:	not measured

Ignition temperature : not measured

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.

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. - Contains Octamethylcyclotetrasiloxane - Rats that have had octamethylcyclotetrasiloxane administered repeatedly by

inhalative or oral methods showed an increase of liver weights.No other symptoms to the liver had been observed.Further studies on rabbits and guinea pigs did not show effects to the liver.
In range-finding studies Octamethylcyclotetrasiloxane affected the reproduction of laboratory animals exposed to high vapour concentrations of 500 and 700 ppm, but not in lower concentrations.
Effects on maternal animals (systemic toxicity) were already seen with 300 ppm and higher concentrations. The significanceof these findings to humans is doubtful.
In developmental toxicity studies in which rats and rabbits were exposed to Octamethylcyclotetrasiloxane by vapour inhalation of high concentrations up to 700 ppm and 500 ppm respectively, no teratogenic effects (no malformations) were observed.

12. Ecological information

Ecotoxicology Assessment

Acute aquatic toxicity	:	no data available
Chronic aquatic toxicity	:	no data available

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	:	No data available

12.6. Other adverse effects

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

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.

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

15. Regulatory information

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

National legislation

Technical instructions on Air Quality	:	Section 5.2.5 Class II
Major Accident Hazard Legislation	:	---
Water contaminating class (Germany)	:	hazard to waters Classification acc. to German law

Risk classification according to BetrSichV (Germany)	:	---
Other regulations	:	Observe employment restrictions for young persons. Observe employment restrictions for child bearing mothers and nursing mothers. Observe employment restrictions for women in child bearing age.

15.2. Chemical safety assessment

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

16. Other information

List of references

Other information	:	Comply with national laws regulating employee instruction.
Revision date	:	26.05.2014

Relevant H phrases from chapter 3

H226	:	Flammable liquid and vapour.
H361f	:	Suspected of damaging fertility.
H413	:	May cause long lasting harmful effects to aquatic life.

Relevant R phrases from chapter 3

R53	:	May cause long-term adverse effects in the aquatic environment.
R62	:	Possible risk of impaired fertility.

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