

SAFETY DATA SHEET (EC 1907/2006)

TEGOPREN 6923

VA-No.

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

1.1. Product identifier

Trade name : TEGOPREN 6923
Chemical Name : Substantive organommodified siloxane

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

Relevant applications identified : Additives for textile

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

Substantive organommodified siloxane

3.1. Substances

-

3.2. Mixtures

4. First aid measures

4.1. Description of first aid measures

General advice : Remove contaminated clothing.
Inhalation : Ensure supply of fresh air.
Skin contact : In case of contact with skin wash off immediately with soap and water

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Consult a doctor if skin irritation persists.

Eye contact : In case of contact with eyes rinse thoroughly with plenty of water. If symptoms persist, seek medical advice.

Ingestion : Call for medical advice immediately; show the container or the label.

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

Symptoms : No information is on file to date regarding acute and/or delayed post-exposure symptoms and effects.

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 : not applicable

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
- Nitrogen oxides (NO_x)

5.3. Advice for firefighters

Do not inhale explosion and/or combustion gases

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 data available

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 : Avoid contact with eyes and skin

7.2. Conditions for safe storage, including any incompatibilities

Prevention of fire and explosion

Information : Keep away from sources of ignition - no smoking

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Take precautionary measures against electrostatic loading.
Cool endangered containers by water spray

Storage

Information :

German storage class : 10

7.3. Specific end use(s)

No further recommendations.

8. Exposure controls/personal protection

8.1. Control parameters

Contains no substances with occupational exposure limit values (Germany).

DNEL : No DNEL/DMEL values on file.

PNEC : No PNEC values on file.

8.2. Exposure controls

Eye protection : tightly fitting safety glasses

Hand protection : PVC gloves

Examples of suitable gloves are those made by the company Kächele-Cama Latex GmbH, Am Kreuzacker 9, D-36124 Eichenzell, e-mail vertrieb@kcl.de, with subsequent specification (test according to EN374); specific workplace conditions must be separately taken into account.

These recommendations apply only to the product mentioned in the material data safety sheet that we supply and the purpose that we indicate.

Glove material: gloves made of natural latex

Break through time: 480 min

Glove thickness: 0,5 mm

Glove material: gloves made of chloroprene (CR, e.g. Neoprene)

Break through time: 480 min

Glove thickness: 0,65 mm

Glove material: gloves made of nitril (NBR)

Break through time: 480 min

Glove thickness: 0,4 mm

Glove material: gloves made of butyl (IIR)

Break through time: 480 min

Glove thickness: 0,7 mm

Glove material: protective gloves made of fluorinated rubber (FKM, e.g. Viton)

Break through time: 480 min

Glove thickness: 0,7 mm

Body Protection : light protective clothing

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

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : liquid

Form : liquid

Colour : yellow-brown

Odour : mild

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Odour Threshold	: not measured
pH	: 6,5 - 8,5 100 g/l Method: DIN 51369
Melting point	: not measured
Boiling point	: not measured
Flash point	: > 101 °C Method: DIN EN 22719 (DIN 51758)
Evaporation rate	:
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	: not measured
Partition coefficient (n-octanol/water)	: not measured
Autoignition temperature	:
Thermal decomposition	: not measured
Viscosity, kinematic	: no data available
Viscosity, dynamic	: <= 10.000 mPa·s (25 °C) Method: Brookfield
Explosive properties	: not measured
Oxidising properties	: not measured

9.2. Other information

Density	: 0,983 g/cm ³ (25 °C) Method: DIN 51757
Metal corrosion	: not measured

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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

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) : LD50
Species: Rat
Dose: > 5.000 mg/kg

Acute toxicity (inhalation) : no data available

Acute toxicity (dermal) : 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.
The toxicological data given are by analogy

12. Ecological information

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Ecotoxicology Assessment

Acute aquatic toxicity : no data available

Chronic aquatic toxicity : no data available

12.1. Toxicity

Aquatoxicity, fish : no data available

Aquatoxicity, invertebrates : Species: Daphnia magna
Exposure duration: 48 h
EC50: > 200 mg/l
Method: OECD 202

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) : 1.710.000 mg/l

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

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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.
The ecological data have been established for similar products.

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 : 5.2.5 (no class)

Major Accident Hazard Legislation : ---

Water contaminating class (Germany) : hazard to waters
Classification acc. to German law

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

Other regulations : none

15.2. Chemical safety assessment

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

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assessment

16. Other information

List of references

Other information : Comply with national laws regulating employee instruction.
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Changes since the last version are highlighted in the margin. This version replaces all previous versions. This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

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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