SAFETY DATA SHEET

According to regulation (EC) n° 1907/2006 Annex II

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

1.1 Product identifier:

Product name: EVO 300 **Product No.:** 49372187

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

Identified uses: Used for making joints, sealing and gluing.

Uses advised against: None known.

1.3 Details of the supplier of the safety data sheet:

Supplier:

CORTECO GmbH
Badener Straße 4
69493 Hirschberg

Germany

Tel. : +49 6201 25964-0
Fax : +49 6201 25964-11

www.corteco.com

1.4 Emergency telephone number: CHEMTREC UK (24h) : +(44)-870-8200418 National Poison Centre : 111

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

Classification according to Regulation (EC) No 1272/2008 as amended

2.2 Label Elements

Signal word : Warning

Hazard Statement(s) : H229 : Pressurized container : May burst if heated .

Precautionary Statements

Prevention : P210 : Keep away from heat , hot surfaces , sparks , open flames and other ignition sources . No smoking .
P251 : Do not pierce or burn , even after use .

Storage : P410+P412 : Protect from sunlight . Do not expose to temperatures exceeding 50°C/122°F .

Supplemental label information EUH208: Contains 3-Aminopropyltriethoxysilane. May produce an allergic reaction.

Hazard summary

Physical Hazards: No data available.

Health Hazards
Inhalation: No specific symptoms noted

Eye contact: No specific symptoms noted

Skin Contact: The product contains a small amount of sensitizing substance which may provoke an allergic reaction among sensitive individuals in contact with skin.

Ingestion: No specific symptoms noted.

Other Health Effects : No other information noted.

Environmental Hazards: Not regarded as dangerous for the environment.

2.3 Other hazards Meets vPvB criteria

Substance(s) formed under the conditions of use:

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	Notes
2-Pentanone, oxime	<=5%	623-40-5		No data available.	

SECTION 3: Composition/information on ingredients

3.2 Mixtures

General information: Mixture of polydimethylsiloxanes, silica and curing agents.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
2-Pentanone, O,O',O''-(ethenylsilylidyne)trio xime	1 - <5%	58190-62-8		01-2120006148-66-XXXX	No data available	
2-Pentandione, O,O',O''-(methylsilylidyne)triox ime	1 - <5%	37859-55-5		01-2120004323-76-XXXX	No data available	
3-Aminopropyltriethoxy silane	0,1 - <1%	919-30-2	213-048-4	01-2119480479-24-XXXX	No data available	

Decamethylcyclopent asiloxane	0,1 - <1%	541-02-6	208-764-9	01-211951136743-0003	No data available	vPvB
Dodecamethylcycloh exasiloxane	0,1 - <1%	540-97-6	208-762-8	01-211951743542-0002	No data available	vPvB
* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume. .						
# This substance has workplace exposure limit(s).						

Classification

Chemical name	Classification	Notes
2-Pentanone, O,O',O''-(ethenylsilylidyne)trioxime	Acute Tox. 4 H302; Eye Dam. 2 H319; STOT RE 2 H373;	No data available
2-Pentandione, O,O',O''-(methylsilylidyne)trioxime	Acute Tox. 4 H302; Eye Dam. 2 H319; STOT RE 2 H373;	No data available
3-Aminopropyltriethoxysilane	Acute Tox. 4 H302; Skin Sens. 1 H317; Skin Corr. 1B H314;	No data available
Decamethylcyclopentasiloxane	None known.	No data available
Dodecamethylcyclohexasiloxane	None known.	No data available

CLP: Regulation No. 1272/2008.

The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General: Get medical attention if symptoms occur. Contaminated clothing to be placed in closed container until disposal or decontamination

4.1 Description of first aid measures

Inhalation: Move into fresh air and keep at rest.

Skin Contact: Remove contaminated clothing and shoes. Wash with soap and water.

Eye contact: In the event of contact with the eyes, rinse thoroughly with clean water.
Continue to rinse for at least 15 minutes.

Ingestion: Do not induce vomiting. Rinse mouth thoroughly.

4.2 Most important symptoms and effects, both acute and delayed: None known.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards: No specific recommendations

Treatment: No specific recommendations

SECTION 5: Firefighting measures

General Fire Hazards: No specific recommendations.

5.1 Extinguishing media

Suitable extinguishing media: Extinguish with foam, carbon dioxide or dry powder.

Unsuitable extinguishing media: Do not use water as an extinguisher.

5.2 Special hazards arising from the substance or mixture: For further information, refer to section 10: "Stability and Reactivity".

5.3 Advice for firefighters

Special fire fighting procedures: Water spray should be used to cool containers.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

6.1.1 For non-emergency personnel: Use personal protective equipment. Do not breathe vapor. See Section 8 of the SDS for Personal Protective Equipment. Ventilate the area.

6.1.2 For emergency responders: No data available.

6.2 Environmental Precautions: Collect spillage. Do not discharge into drains, water courses or onto the ground.

6.3 Methods and material for containment and cleaning up:

Containers with collected spillage must be properly labelled with correct contents and hazard symbol. Container must be kept tightly closed. Absorb with sand or other inert absorbent. To clean the floor and all objects contaminated by this material, use an appropriate solvent.(cf. : § 9) Flush area with plenty of water. Incinerate in suitable combustion chamber.

6.4 Reference to other sections:

Caution: Contaminated surfaces may be slippery. For waste disposal, see Section 13 of the SDS.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Adequate ventilation should be provided so that exposure limits are not exceeded. Do not smoke, use open fire or other sources of ignition.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

7.3 Specific end use(s):

No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters
Occupational Exposure Limits

None of the components have assigned exposure limits.

Additional exposure limits under the conditions of use

Chemical name	Type	Exposure Limit Values	Source

8.2 Exposure controls
Appropriate Engineering Controls:

Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors. Use engineering controls to reduce air contamination to permissible exposure level.

Individual protection measures, such as personal protective equipment

General information:

Provide sufficient ventilation during operations which cause vapor formation.

Eye/face protection:

Safety Glasses.

Skin protection	
Hand Protection:	Material: Rubber gloves are recommended.
Other:	It is a good industrial hygiene practice to minimize skin contact. Wear appropriate clothing to prevent any possibility of skin contact.
Respiratory Protection:	If ventilation is insufficient, suitable respiratory protection must be provided.
Hygiene measures:	Provide eyewash station and safety shower.
Environmental Controls:	No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties appearance

Physical state:	Paste
Form:	No data available.
Color:	Black
Odor:	Characteristic
Odor Threshold:	No data available.
pH:	No data available.
Melting Point:	No data available.
Boiling Point:	No data available.
Flash Point:	Not applicable
Evaporation Rate:	No data available.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%):	No data available.
Flammability Limit - Lower (%):	No data available.
Vapor pressure:	No data available.
Vapor density (air=1):	No data available.
Density:	Approximate 1,33 kg/dm3 (20 °C)
Solubility(ies)	
Solubility in Water:	Practically Insoluble
Solubility (other):	Acetone: Very slightly soluble. Aliphatic hydrocarbons: Dispersible Aromatic hydrocarbons: Dispersible Chlorinated solvents: Dispersible Ethanol: Very slightly soluble.
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.
Viscosity:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	According to the data on the components Not considered as oxidizing. (evaluation by structure-activity relationship)

9.2 Other information: No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity: Vulcanizes at room temperature on contact with moisture in the air.

10.2 Chemical Stability: Stable at room temperature provided it is not in contact with air.

10.3 Possibility of hazardous reactions: No data available.

10.4 Conditions to avoid: No other information noted.

10.5 Incompatible Materials: Strong oxidizing agents. Water.

10.6 Hazardous Decomposition Products: Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. Amorphous silica. During use or in contact with water, may generate hazardous substances.

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation: No data available.

Ingestion: No data available.

Skin Contact: No data available.

Eye contact: No data available.

11.1 Information on toxicological effects:

Acute toxicity:

Oral :
Product : ATEmix (): 15 997,4 mg/kg

Dermal :
Product : ATEmix 8 860,46 mg/kg

Inhalation:
Product : Composition/information on ingredients

Specified substance(s):

3-aminopropyltriethoxysilane	LC 50 (Rat, Male, 6 h): > 0,045 mg/l VaporLC 50 (Rat, Female, 6 h): > 0,145 mg/l Vapor
Decamethylcyclopentasiloxane	LC 50 (Rat): 8,67 mg/l

Repeated dose toxicity:

Product:	Composition/information on ingredients
Specified substance(s):	
3-aminopropyltriethoxysilane	NOAEL (Rat(Female, Male), Oral): 200 mg/kg Method: OECD 408 LOAEL (Rat(Female, Male), Oral): 600 mg/kg
Decamethylcyclopentasiloxane	NOAEL (Rat, Oral): >= 1 000 mg/kg NOAEL (Rat, Inhalation - vapor): >= 2,42 mg/l NOAEL (Rat, Dermal): >= 1 600 mg/kg
Dodecamethylcyclohexasiloxane	NOAEL (Rat, Oral): >= 1 000 mg/kg Method: OECD 422 NOAEL (Rat, Inhalation - vapor): 0,0182 mg/l Method: OECD 413

Skin Corrosion/Irritation:

Product:	Composition/information on ingredients
Specified substance(s):	
3-aminopropyltriethoxysilane	OECD 404 (Rabbit, 1 h) : Corrosive.
Decamethylcyclopentasiloxane	Rabbit : Not irritating
Dodecamethylcyclohexasiloxane	OECD 404 (Rabbit) : Not irritating

Serious Eye Damage/Eye Irritation:

Product:	Composition/information on ingredients
Specified substance(s):	
3-aminopropyltriethoxysilane	OECD 405 (Rabbit) : Corrosive.
Decamethylcyclopentasiloxane	Rabbit : Not irritating
Dodecamethylcyclohexasiloxane	OECD 405 (Rabbit) : Not irritating

Respiratory or Skin Sensitization:

Product:	Composition/information on ingredients
Specified substance(s):	
3-aminopropyltriethoxysilane	OECD 406 (Guinea Pig) : May cause an allergic skin reaction.
Decamethylcyclopentasiloxane	Not a skin sensitizer.
Dodecamethylcyclohexasiloxane	OECD 406 (Guinea Pig) : Not a skin sensitizer.

Germ Cell Mutagenicity:

In vitro:

Product:	Composition/information on ingredients
Specified substance(s):	
3-aminopropyltriethoxysilane	Bacteria (OECD 471): No mutagenic effects. Chromosomal aberration (OECD 473): No clastogenic effect..
Decamethylcyclopentasiloxane	Chromosomal aberration : No mutagenic components identified. Bacteria : No mutagenic components identified.
Dodecamethylcyclohexasiloxane	Mouse lymphoma cells (OECD 476): negative with and without metabolic activation Bacteria (OECD 471): negative with and without metabolic activation

In vivo:

Product:	No data available.
Specified substance(s):	
3-aminopropyltriethoxysilane	(OECD 474)No mutagenic effects.
Decamethylcyclopentasiloxane	No effects expected.
Dodecamethylcyclohexasiloxane	Mammalian erythrocyte micronucleus test (OECD 474): No mutagenic effects.

Carcinogenicity:

Product:	No data available.

Reproductive toxicity:

Product:	Composition/information on ingredients
Specified substance(s):	
Dodecamethylcyclohexasiloxane	Based on available data, the classification criteria are not met.

Reproductive toxicity (Fertility):

Product:	Composition/information on ingredients
Specified substance(s):	
Decamethylcyclopentasiloxane	Fertility study 2 generations. Rat (Inhalation): NOAEL (parent): 3,64 mg/l NOAEL (F1):None. NOAEL (F2): None. Method: OECD 416
Dodecamethylcyclohexasiloxane	Reproduction/developmental toxicity screening test. Rat (Gavage (Oral)):NOAEL (parent): >= 1 000 mg/kg NOAEL (F1):>= 1 000 mg/kg NOAEL (F2): Method: OECD 422

Developmental toxicity (Teratogenicity):

Product:	Composition/information on ingredients
Specified substance(s):	
3-aminopropyltriethoxysilane	Rat (Ingestion): NOAEL (terato): 100 mg/kg NOAEL (mater): 100 mg/kg Method: OECD 414
Dodecamethylcyclohexasiloxane	Rabbit NOAEL (terato): >= 1 000 mg/kg NOAEL (mater): >= 1 000 mg/kg Method: OECD 414 Rat NOAEL (terato): >= 1 000 mg/kg NOAEL (mater): >= 1 000 mg/kg Method: OECD 414

Specific Target Organ Toxicity - Single Exposure:

Product:	Composition/information on ingredients
Specified substance(s):	
3-aminopropyltriethoxysilane	Not classified
Dodecamethylcyclohexasiloxane	Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Repeated Exposure:

Product:	Composition/information on ingredients
Specified substance(s):	
3-aminopropyltriethoxysilane	Not classified
Dodecamethylcyclohexasiloxane	Based on available data, the classification criteria are not met

Aspiration Hazard:

Product:	No data available.

SECTION 12: Ecological information

12.1 Toxicity:

Acute toxicity:

Fish:

Product :	Composition/information on ingredients
Specified substance(s):	
3-aminopropyltriethoxysilane	LC 50 (Danio rerio, 96 h): > 934 mg/l

Aquatic Invertebrates:

Product :	Composition/information on ingredients
Specified substance(s):	
3-aminopropyltriethoxysilane	EC 50 (Water flea (Daphnia magna), 48 h): 331 mg/l

Chronic toxicity:

Fish:

Product :	Composition/information on ingredients
Specified substance(s):	
Decamethylcyclopentasiloxane	NOEC (Oncorhynchus mykiss, 90 d): >= 0,014 mg/l

Aquatic Invertebrates:

Product :	Composition/information on ingredients
Specified substance(s):	
Dodecamethylcyclohexasiloxane	NOEC (Water flea (Daphnia magna), 21 d): >= 0,0046 mg/l

Toxicity to Aquatic Plants:

Product :	Composition/information on ingredients
Specified substance(s):	
3-aminopropyltriethoxysilane	EC 50 (Green algae (Scenedesmus subspicatus), 72 h): > 1 000 mg/l NOEC (Green algae (Scenedesmus subspicatus), 72 h): 1,3 mg/l
Dodecamethylcyclohexasiloxane	NOEC (Algae (Pseudokirchneriella subcapitata), 72 h): >= 0,002 mg/l EC 50 (Algae (Pseudokirchneriella subcapitata), 72 h): > 0,002 mg/l

12.2 Persistence and Degradability:

Biodegradation:

Product :	Composition/information on ingredients
Specified substance(s):	
3-aminopropyltriethoxysilane	67 % (28 d, According to a standardised method.) The product is not readily biodegradable.
Decamethylcyclopentasiloxane	0,14 % (28 d) The product is not readily biodegradable.
Dodecamethylcyclohexasiloxane	4,5 % (28 d, OECD 310) The product is not readily biodegradable.

BOD/COD Ratio:

Product:	No data available.

12.3 Bioaccumulative potential:

Product:	Composition/information on ingredients
Specified substance(s):	
3-aminopropyltriethoxysilane	Common Carp, Bioconcentration Factor (BCF): 3,4 (OECD 305)
Decamethylcyclopentasiloxane	Fathead Minnow, Bioconcentration Factor (BCF): 7 060
Dodecamethylcyclohexasiloxane	Fathead Minnow, Bioconcentration Factor (BCF): 2 860 (OECD 305) Has the potential to bioaccumulate.

12.4 Mobility in soil: No data available.

12.5 Results of PBT and vPvB assessment: Composition/information on ingredients

Decamethylcyclopentasiloxane	Meets vPvB criteria	REACH (1907/2006) Ax XIII
Dodecamethylcyclohexasiloxane	Meets vPvB criteria	REACH (1907/2006) Ax XIII

12.6 Other adverse effects: No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

General information: The user's attention is drawn to the possible existence of local regulations regarding disposal.

Disposal methods

Disposal instructions: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Incinerate.

Contaminated Packaging: Contaminated packages should be as empty as possible. Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. Recycle following cleaning or dispose of at an authorised site.

SECTION 14: Transport information

This material is not subject to transport regulations.

Other information: No special precautions.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code: Not applicable.

SECTION 15: Regulatory information

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

15.2 Chemical safety assessment: No Chemical Safety Assessment has been carried out.

Inventory Status:

EINECS, ELINCS or NLP: On or in compliance with the inventory.

SECTION 16: Other information

Revision Information: Not relevant.

References

PBT	PBT:persistent, bioaccumulative and toxic substance.
vPvB	vPvB: very persistent and very bioaccumulative substance.

Key abbreviations or acronyms used: No data available.

Key literature references and sources for data: No data available.

Wording of the H-statements in section 2 and 3

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure.

Training information: No data available.

Issue Date: 15.07.2019

SDS No.:

Disclaimer: The information given is based on data available for the material, the components of the material, and similar materials. The information is believed to be correct. It is given in good faith. This information should be used to make an independent determination of the methods to safeguard workers and the environment.