

Material Safety Data Sheet

SDS date: 29-11-2017

SDS version: 1.3

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

1.1. Product Identifier

Trade Name: Ultra-Seal

Product- no.: -

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

Recommended uses: Sealant for car tires.

1.3. Details of the supplier of the safety data sheet

Company and address

DSV Road Holding NV

Regional SSC

IZ Puurs 533 - Schoonmansveld 40

BE-2870 Puurs

Phone: + 32 38 08 70 18

Email: info@ultra-seal.eu

Web: www.ultra-seal.eu

Contact person and E-mail:

Flemming Steiness, flemming.steiness@dsv.com

The Safety data sheet is completed and validated by:

mediator A/S, Centervej 2, DK-6000 Kolding. Consultant: LMJ

1.4. Emergency telephone number

Use your national or local emergency number - See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP (1272/2008): Acute Tox. 4; H302.

For the wording of the H phrases refer to section 16.

2.2. Label elements



Signal word:

Warning

Harmful if swallowed. (H302)

Do not eat, drink or smoke when using this product. (P270)

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. (P301+P312)

Rinse mouth. (P330)

2.3. Other hazards

The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication.

Additional labelling:

-

Additional warnings:

-

SECTION 3: Composition/information on ingredients

3.1./3.2. Substances/Mixtures

Substance	EU-Index no.	Cas / EINECS no.	CLP-classification	w/w%	Note
Ethanediol	603-027-00-1	107-21-1 / 203-473-3	Acute Tox. 4;H302	0-30	1

1 = Organic solvent.

For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:	Seek fresh air. Keep victim under observation. Seek medical advice in case of discomfort.
Ingestion:	Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice immediately.
Skin contact:	Remove contaminated clothing. Wash skin thoroughly with soap and water. Seek medical advice in case of discomfort.
Eye contact:	Flush with water (preferably using eye wash equipment) until irritation subsides. Remove contact lenses. Seek medical advice if symptoms persist.
Additional information:	When obtaining medical advice, show the safety data sheet or label.

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

Harmful if swallowed.

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

When obtaining medical advice, show the safety data sheet or label.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Surrounding fire: Extinguish with powder, foam or carbon dioxide. Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

The product is not directly flammable. Avoid inhalation of vapour and fumes – seek fresh air. Product decomposes in fire conditions and toxic gases such as CO_x may be released. Exposure to decomposition products may cause a health hazard.

5.3. Advice for firefighters

Send contaminated extinguishing water for destruction. If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See section 8 for type of protective equipment. Emergency-response personnel: protective suit equivalent to EN 368, type 3, is recommended.

6.2. Environmental precautions

Do not discharge large quantities of concentrated spills and residue into drains. See section 12.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. Further handling of waste – see section 13.

Tires, which are treated with the product, can be rinsed with water. The diluted product (wash water) may be discharged into the public sewer.

6.4. Reference to other sections

See above.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

See section 8 for information about precautions for use and personal protective equipment. Use the product under well-ventilated conditions. Running water and eye wash equipment should be available.

7.2. Conditions for safe storage, including any incompatibilities

Keep in tightly closed original packaging. Store in a dry, cool, well-ventilated area. Store frost-free. Do not expose to heat (e.g. sunlight).

7.3. Specific end use(s)

See section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits:

Substance	Long-term exposure limit	Short-term exposure limit	Note
Ethenediol - vapour	20 ppm – 52 mg/m ³	40 ppm – 104 mg/m ³	Sk

Sk = The substance can be absorbed through the skin.

DNEL and PNEC values:

DNEL – Ethenediol:

Dermal	Long Term	Systemic effects	Workers	106 mg/kg bw/day
Inhalation	Long Term	Local effects	Workers	35 mg/m ³
Dermal	Long Term	Systemic effects	General population	53 mg/kg bw/day
Inhalation	Long Term	Local effects	General population	7 mg/m ³

PNEC – Ethenediol:

Water	Fresh	10 mg/L
Water	Marine	1 mg/L
Water	Intermittent releases	10 mg/L
Soil	-	1.53 mg/kg soil dw

8.2. Exposure controls

There are no exposure scenarios for this product.

Appropriate engineering controls:

Wash hands before breaks, before using restroom facilities, and at the end of the work. Wear personal protective equipment as specified in below section till material is hardened.

Personal protective equipment:



Breathing equipment:	In case of insufficient ventilation, wear fresh air respiratory protective equipment. (SCBA).
Hand protection:	Recommended: nitrile rubber, butyl rubber, neoprene rubber. Penetration time: Unknown. Change gloves immediately if contaminated, and wash hands with soap and water.
Eye protection:	Wear safety goggles if there is a risk of eye splash.
Body and skin protection:	Suitable protective clothing should be worn.

Environmental exposure controls:

Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Appearance:	Viscous liquid - Multiple colours (Blue, green, red and yellow)
Odour:	Of glycol
Odour threshold:	25 ppm
pH:	8,5-9,0 (20 °C)
Melting point/ Freezing Point (°C):	-45 - -35
Initial boiling point and boiling range (°C):	121-127
Flash point (°C):	-
Evaporation rate (water=1):	Approx. 1
Flammability (solid, gas)	-
Upper / lower flammability or explosion limits (vol-%):	-
Vapour pressure (mmHg, 20 °C):	<20
Vapour density (air=1)	-
Relative density (Water = 1.0):	1,08
Solubility(ies)	90 % soluble in water (20 °C)
Partition coefficient: n-octanol/water:	-
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	-
Viscosity (mm ² /sek):	-
Explosive properties:	-
Oxidising properties:	-

9.2. Other information

Content of solids (%):	-
Surface tension (mN/m, 25 °C):	-

SECTION 10: Stability and reactivity**10.1. Reactivity**

No data.

10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

Avoid contact with strong oxidising agents, strong acids, strong bases, water-reactive substances, perchloric acid and phosphorus(V) sulfide.

10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and toxic gases such as CO_x may be released.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance	Route of exposure	Species	Test	Result
Ethenediol	Oral	Rat	LD50	7712 mg/kg bw
Ethenediol	Dermal	Mouse	LD50	> 3500 mg/kg bw
Ethenediol	Inhalation	Rat	LC50 / 6h	> 2.5 mg/L air

Symptoms:

Inhalation: Inhalation of vapours may cause irritation to the upper airways. At high concentrations, the vapours may cause headache and intoxication.

Ingestion: Harmful if swallowed.

Skin contact: May cause slight irritation. Can be absorbed through the skin with the same symptoms as for ingestion.

Eye contact: May cause eye irritation.

Long term effects:

Prolonged or repeated exposure by skin contact or inhalation of vapours may cause damage to the central nervous system.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Test duration	Species	Test	Result
Ethenediol	96 h	Fish	LC50	72860 mg/L
Ethenediol	48 h	Daphnia	EC50	> 100 mg/L
Ethenediol	96 h	Algae	EC50	6500-13000 mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
Ethenediol	Yes	OECD Guideline 301 A	90-100% after 10

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow	BCF
Ethenediol	No	-1,36	-

12.4. Mobility in soil

-

12.5. Results of PBT and vPvB assessment

An environmental risk assessment of the product has been conducted, which finds that it poses no risk to the environment because ethylene glycol does not bioaccumulate, it has low toxicity for aquatic organisms, and it is rapidly biodegradable.

12.6. Other adverse effects

None.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Contact the local authorities.

EWC Code

Concentrated product: 16 01 21

The diluted product: 16 01 22

The diluted product (wash water) may be discharged into the public sewer.

Specific labelling

-

Contaminated packaging:

Uncleansed packaging is to be disposed of via the local waste-removal scheme.

SECTION 14: Transport information

The product is not covered by the rules for transport of dangerous goods by road and sea according to ADR and IMDG.

14.1 -14.4.

-

14.5. Environmental hazards

-

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant.

SECTION 15: Regulatory information

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

-

Restrictions for application:

-

Demands for specific education:

-

Additional labelling:

-

15.2. Chemical safety assessment

Chemical safety assessment has not been performed.

SECTION 16: Other information

Other information:

Sources:

EC regulation 1907/2006 (REACH).

Directive 2000/532/EC.

EC Regulation 1272/2008 (CLP).

EH40/2005 WELs (United Kingdom (UK), 8/2007).

Full text of H-phrases as mentioned in section 2+3:

H302 - Harmful if swallowed.

Other

-

Minor changes have been made in following sections:

12.

This material safety data sheet replaces version:

1.2 (21-09-2017).
