

Safety Data Sheet

according to Regulation (EC) No 1907/2006

DW Therm (heat transfer fluid)

Revision date: 05.04.2018

Product code: 26

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

DW Therm (heat transfer fluid)

Further trade names

Für DW-Therm ist kein Sicherheitsdatenblatt gemäß Artikel 31 der REACH-Verordnung erforderlich, die vorliegende Information dient nur zur allgemeinen Information.

DW-Therm does not require a safety data sheet in accordance with Article 31 of REACH Regulation, the present information is for general information only.

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

Heat transfer fluid for industrial use with the Unistat in a hydraulically sealed system

1.3. Details of the supplier of the safety data sheet

Company name:	DWS Dr. Wilharm Synthesetechnik		
Street:	Trentiner Ring 30		
Place:	D-86356 Neusaess		
Telephone:	0821 4504230	Telefax: 0821 4862519	
e-mail:	info@dws-synthese.de		
Contact person:	Dr. Thomas Wilharm		
Internet:	www.dws-synthese.de		

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

This substance is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

2.2. Label elements**SECTION 3: Composition/information on ingredients****3.1. Substances****Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
	Alkoxy Silanes			99,9 %

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Provide fresh air.

After contact with skin

After contact with skin, wash immediately with: Water. Change contaminated clothing.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water. Do NOT induce vomiting.

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After ingestion

Let water be drunken in little sips (dilution effect).

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

not known

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

not known

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide adequate ventilation as well as local exhaustion at critical locations.

Advice on protection against fire and explosion

A static inert gas blanket can used on the expansion vessel (s) of the Unistat. Above a working temperature of 170°C an inert gas blanket must be used.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Store in a dry place.

Advice on storage compatibility

not known

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.2. Exposure controls

Protective and hygiene measures

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

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

Physical state:	liquid
Colour:	colourless
Odour:	characteristic

Test method**Changes in the physical state**

Melting point:	-90 °C	DIN 53736
Initial boiling point and boiling range:	236 °C	OECD 103
Flash point:	101 °C	DIN EN ISO 2719
Ignition temperature:	265 °C	2
Density (at 20 °C):	0,879 g/cm ³	DIN 53420
Viscosity / kinematic: (at 40 °C)	1,57 mm ² /s	DIN EN ISO 3104

SECTION 10: Stability and reactivity**10.2. Chemical stability**

Do not mix with acids.

10.3. Possibility of hazardous reactions

not known

10.4. Conditions to avoid

moisture.

10.5. Incompatible materials

Aluminium. non-ferrous metal

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Toxicokinetics, metabolism and distribution**

not known

Acute toxicity

not known

Sensitising effects

not known

Additional information on tests

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 12: Ecological information**Further information**

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

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Advice on disposal

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

Contaminated packaging

Water (with cleaning agent). Completely emptied packages can be recycled.

SECTION 14: Transport information**Land transport (ADR/RID)****14.3. Transport hazard class(es):** -**14.4. Packing group:** -

Hazard label: -

Classification code: -

Special Provisions: -

Limited quantity: -

Transport category: -

Hazard No: -

Tunnel restriction code: -

Other applicable information (land transport)

No dangerous good in sense of these transport regulations.

Inland waterways transport (ADN)**14.1. UN number:** -**Other applicable information (inland waterways transport)**

No dangerous good in sense of these transport regulations.

Marine transport (IMDG)**14.1. UN number:** -**14.3. Transport hazard class(es):** -**14.4. Packing group:** -

Special Provisions: -

Other applicable information (marine transport)

No dangerous good in sense of these transport regulations.

Air transport (ICAO-TI/IATA-DGR)**Other applicable information (air transport)**

No dangerous good in sense of these transport regulations.

14.6. Special precautions for user

not known

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2004/42/EC (VOC): 0,1 % (0,879 g/l)

Additional information

not relevant

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

For this substance a chemical safety assessment is not required.

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SECTION 16: Other information