according to Regulation (EC) No 1907/2006

DW Therm (Wärmeträgerflüssigkeit)			
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SECTION 1: Identification of the substance/mixture and of the company/undertaking			
1.1. Product identifier			
DW Therm (Wärmeträg	erflüssigkeit)		
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

Classification according to Directive 67/548/EEC or 1999/45/EC

This substance is not classified as hazardous according to Directive 67/548/EEC.

Classification according to Regulation (EC) No. 1272/2008 [CLP]

This substance is not classified as hazardous according to Regulation (EC) No. 1272/2008.

2.2. Label elements

SECTION 3: Composition/information on ingredients

3.1. Substances

Hazardous components

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
	Alkoxy Silanes	99,9 %

Full text of R-, H- and EUH-phrases: 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.

After ingestion

If swallowed, immediately drink: Water.

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Caution if victim vomits: Risk of aspiration!

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

Extinguishing materials should be selected according to the surrounding area.

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 empty into drains or the aquatic environment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation.

6.2. Environmental precautions

Do not empty into drains or the aquatic environment.

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 assimilated material according to the section on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide for sufficient ventilation and punctiform suction at critical points.

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 at the end of work. When using do not eat or drink.

according to Regulation (EC) No 1907/2006

	according to Regulatior	1 (EC) NO 1907/2006		
	DW Therm (Wärme	trägerflüssigkeit)		
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SECTION 9: Physical and chemic	al properties			
9.1. Information on basic physical a	nd chemical properties			
Physical state:	liquid			
Colour:	colourless			
Odour:	characteristic			
Changes in the physical state			Test method	
Melting point:		-90 °C	DIN 53736	
Initial boiling point and boiling rang	е .		OECD 103	
Flash point:	0.		DIN EN ISO 2719	
Ignition temperature:		265 °C		
Density (at 20 °C):		0,879 g/cm ³	DIN 53420	
SECTION 10: Stability and reactive	vity			
10.2. Chemical stability				
Do not mix with acids				
10.3. Possibility of hazardous reaction	ons			
not known				
10.4. Conditions to avoid				
moisture.				
10.5. Incompatible materials				
Aluminium. non-ferrou	us metal			
SECTION 11: Toxicological inform	nation			
11.1. Information on toxicological ef	fects			
Toxicocinetics, metabolism and o	distribution			
not known				
Acute toxicity				
not known				
Sensitising effects				
not known				
Additional information on tests				
I he classification was Preparations Directive	s undertaken in accordance wit e (1999/45/EC).	th the calculation method gove	rned by the	
SECTION 12: Ecological informa	. ,			
-				
Further information	undentelsen in ereentere "		mand by the	
Preparations Directive	s undertaken in accordance wit e (1999/45/EC).	in the calculation method gove	rned by the	
SECTION 13: Disposal considera	tions			
13.1. Waste treatment methods				
Advice on disposal				
-	ins or the aquatic environment	. Waste disposal according to	official state	
regulations.		C C		

according to Regulation (EC) No 1907/2006

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Contaminated packaging

Water (with cleaning agent). Completely emptied packings can be re-cycled.

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)

Not a hazardous material with respect to these transportation regulations.

Inland waterways transport (ADN)

14.1. UN number:

Other applicable information (inland waterways transport)

Not a hazardous material with respect to these transportation 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)

Not a hazardous material with respect to these transportation regulations.

Air transport (ICAO)

Other applicable information (air transport)

Not a hazardous material with respect to these transportation 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 irrelevant	
National regulatory information	
Water contaminating class (D):	1 - slightly water contaminating
15.2. Chemical safety assessment	
For this substance a cl	nemical safety assessment is not required.

SECTION 16: Other information