



## Safety Data Sheet according to (EC) No 1907/2006 as amended

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BONDERITE L-CA 696 DIECASTING LUBRICANT ACHESON known  
as DELTACAST 696 1 KG

SDS No. : 325639  
V010.0

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

#### 1.1. Product identifier

BONDERITE L-CA 696 DIECASTING LUBRICANT ACHESON known as DELTACAST 696 1 KG

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

Intended use:

Release agent

#### 1.3. Details of the supplier of the safety data sheet

Henkel AG & Co. KGaA

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40589 Düsseldorf

Germany

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For Safety Data Sheet updates please visit our website <https://mysds.henkel.com/index.html#/appSelection> or [www.henkel-adhesives.com](http://www.henkel-adhesives.com).

[SDSinfo.Adhesive@henkel.com](mailto:SDSinfo.Adhesive@henkel.com)

#### 1.4. Emergency telephone number

The Henkel information service also provides an around-the-clock telephone service on phone no.+49-(0)211-797-3350 for exceptional cases.

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (CLP):

|| The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

#### 2.2. Label elements

##### Label elements (CLP):

|| The substance or mixture is not hazardous according to Regulation (EC) No 1272/2008 (CLP).

##### Supplemental information

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

#### 2.3. Other hazards

None if used properly.

Following substances are present in a concentration  $\geq$  the concentration limit for depiction in Section 3 and fulfill the criteria for PBT/vPvB, or were identified as endocrine disruptor (ED):

This mixture does not contain any substances in a concentration  $\geq$  the concentration limit for depiction in Section 3 that are assessed to be a PBT, vPvB or ED.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Base substances of preparation:

Mineral oil  
polymers  
Pigment

##### Declaration of the ingredients according to CLP (EC) No 1272/2008:

Hazardous components CAS-No. EC Number REACH-Reg No.	Concentration	Classification	Specific Conc. Limits, M-factors and ATEs	Add. Information
Titanium dioxide 13463-67-7 236-675-5 01-2119489379-17	20- 40 %	Carc. 2, Inhalation, H351		
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm <sup>2</sup> /sec (not cmr) 64742-54-7 265-157-1 01-2119484627-25	10- 20 %	Asp. Tox. 1, H304		
Distillates (petroleum), solvent- dewaxed heavy paraffinic < 3%DMSO 64742-65-0 265-169-7 01-2119471299-27	10- 20 %	Asp. Tox. 1, H304		
Propylidyntrimethanol 77-99-6 201-074-9 01-2119486799-10	0,1- < 1 %	Repr. 2, H361fd		

If no ATE values are displayed, please refer to LD/LC50 values in Section 11.  
For full text of the H - statements and other abbreviations see section 16 "Other information".

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### Inhalation:

Move to fresh air, consult doctor if complaint persists.

##### Skin contact:

Immediately wash skin thoroughly with soap and water.

##### Eye contact:

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

**Ingestion:**

Rinse mouth, drink 1-2 glasses of water, do not induce vomiting, consult a doctor.

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

No data available.

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

See section: Description of first aid measures

## SECTION 5: Firefighting measures

**Combustion behaviour:**

Non-flammable (aqueous solution).

**5.1. Extinguishing media**

**Suitable extinguishing media:**

All common extinguishing agents are suitable.

**Extinguishing media which must not be used for safety reasons:**

None known

**5.2. Special hazards arising from the substance or mixture**

May produce fumes like carbon dioxide when heated to decomposition.

**5.3. Advice for firefighters**

Wear protective equipment.

**Additional information:**

Cool endangered containers with water spray jet.

## SECTION 6: Accidental release measures

**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes.

**6.2. Environmental precautions**

Do not empty into drains / surface water / ground water.

**6.3. Methods and material for containment and cleaning up**

Dispose of contaminated material as waste according to Section 13.

Remove with liquid-absorbing material (sand, peat, sawdust).

**6.4. Reference to other sections**

See advice in section 8

## SECTION 7: Handling and storage

**7.1. Precautions for safe handling**

Avoid skin and eye contact.

Ensure that workrooms are adequately ventilated.

See advice in section 8

**Hygiene measures:**

Wash hands before work breaks and after finishing work.

Do not eat, drink or smoke while working.

**7.2. Conditions for safe storage, including any incompatibilities**

Ensure good ventilation/extraction.

Do not store near sources of heat or ignition, or reactive materials.

**7.3. Specific end use(s)**  
Release agent

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Occupational Exposure Limits**

Valid for  
Germany

Ingredient [Regulated substance]	ppm	mg/m <sup>3</sup>	Value type	Short term exposure limit category / Remarks	Regulatory list
Titanium dioxide 13463-67-7			Short Term Exposure Classification:	Category II: substances with a resorptive effect.	TRGS 900
Titanium dioxide 13463-67-7		10	Exposure limit(s):	2 If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7).	TRGS 900
Titanium dioxide 13463-67-7		1,25	Exposure limit(s):	If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7).	TRGS 900
Graphite 7782-42-5			Short Term Exposure Classification:	Category II: substances with a resorptive effect.	TRGS 900
Graphite 7782-42-5		1,25	Exposure limit(s):	If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7).	TRGS 900
Graphite 7782-42-5		10	Exposure limit(s):	2 If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7).	TRGS 900
Silicon dioxide 112945-52-5		4	Exposure limit(s):	If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7).	TRGS 900
Silicon dioxide 112945-52-5			Short Term Exposure Classification:	Category II: substances with a resorptive effect.	TRGS 900
Silicon dioxide 112945-52-5		10	Exposure limit(s):	2 If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7).	TRGS 900
Silicon dioxide 112945-52-5		1,25	Exposure limit(s):	If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7).	TRGS 900
Silicon dioxide 112926-00-8		10	Exposure limit(s):	2 If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7).	TRGS 900
Silicon dioxide 112926-00-8			Short Term Exposure Classification:	Category II: substances with a resorptive effect.	TRGS 900
Silicon dioxide 112926-00-8		1,25	Exposure limit(s):	If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7).	TRGS 900
Silicon dioxide 112926-00-8		4	Exposure limit(s):	If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7).	TRGS 900

Aluminium hydroxide 21645-51-2			Short Term Exposure Classification:	Category II: substances with a resorptive effect.	TRGS 900
Aluminium hydroxide 21645-51-2		10	Exposure limit(s):	2 If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7).	TRGS 900
Aluminium hydroxide 21645-51-2		1,25	Exposure limit(s):	If the AGW and BGW values are complied with, there should be no risk of reproductive damage (see Number 2.7).	TRGS 900

**Predicted No-Effect Concentration (PNEC):**

Name on list	Environmental Compartment	Exposure period	Value				Remarks
			mg/l	ppm	mg/kg	others	
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm <sup>2</sup> /sec (not cmr) 64742-54-7	oral				9,33 mg/kg		
Distillates (petroleum), solvent-dewaxed heavy paraffinic < 3%DMSO 64742-65-0	oral				9,33 mg/kg		
Propylidynetrimethanol 77-99-6	aqua (freshwater)						no hazard identified
Propylidynetrimethanol 77-99-6	aqua (marine water)						no hazard identified
Propylidynetrimethanol 77-99-6	sewage treatment plant (STP)						no hazard identified
Propylidynetrimethanol 77-99-6	sediment (freshwater)						no hazard identified
Propylidynetrimethanol 77-99-6	sediment (marine water)						no hazard identified
Propylidynetrimethanol 77-99-6	Soil						no hazard identified
Propylidynetrimethanol 77-99-6	Air						no hazard identified
Propylidynetrimethanol 77-99-6	Predator						no potential for bioaccumulation

**Derived No-Effect Level (DNEL):**

Name on list	Application Area	Route of Exposure	Health Effect	Exposure Time	Value	Remarks
Titanium dioxide 13463-67-7	Workers	inhalation	Long term exposure - local effects		0,17 mg/m <sup>3</sup>	
Titanium dioxide 13463-67-7	General population	inhalation	Long term exposure - local effects		0,028 mg/m <sup>3</sup>	
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm <sup>2</sup> /sec (not cmr) 64742-54-7	Workers	inhalation	Long term exposure - local effects		5,4 mg/m <sup>3</sup>	
Distillates (petroleum), solvent-dewaxed heavy paraffinic < 3%DMSO 64742-65-0	Workers	inhalation	Long term exposure - local effects		5,4 mg/m <sup>3</sup>	
Distillates (petroleum), solvent-dewaxed heavy paraffinic < 3%DMSO 64742-65-0	General population	inhalation	Long term exposure - local effects		1,2 mg/m <sup>3</sup>	
Propylidynetri-methanol 77-99-6	Workers	inhalation	Long term exposure - systemic effects		3,3 mg/m <sup>3</sup>	no hazard identified
Propylidynetri-methanol 77-99-6	Workers	dermal	Long term exposure - systemic effects		0,94 mg/kg	no hazard identified
Propylidynetri-methanol 77-99-6	General population	Inhalation	Long term exposure - systemic effects		0,58 mg/m <sup>3</sup>	no hazard identified
Propylidynetri-methanol 77-99-6	General population	dermal	Long term exposure - systemic effects		0,34 mg/kg	no hazard identified
Propylidynetri-methanol 77-99-6	General population	oral	Long term exposure - systemic effects		0,34 mg/kg	no hazard identified

**Biological Exposure Indices:**

Ingredient [Regulated substance]	Parameters	Biological specimen	Sampling time	Conc.	Basis of biol. exposure index	Remark	Additional Information
Aluminium hydroxide 21645-51-2	Aluminum	Urine	Sampling time: End of shift.	200 µg/l	DE BAT		

**8.2. Exposure controls:**

Engineering controls:  
Ensure good ventilation/suction at the workplace.

Respiratory protection:  
In case of aerosol formation, we recommend wearing of appropriate respiratory protection equipment with ABEK P2 filter (EN 14387).  
This recommendation should be matched to local conditions.

Hand protection:  
Chemical-resistant protective gloves (EN 374).  
Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374):  
nitrile rubber (NBR; ≥ 0.4 mm thickness)  
Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374):  
nitrile rubber (NBR; ≥ 0.4 mm thickness)  
This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:  
Protective eye equipment should conform to EN166.  
Protective goggles

Skin protection:  
Protective clothing should conform to EN 14605 for liquid splashes or to EN 13982 for dusts.  
Suitable protective clothing

Advices to personal protection equipment:  
The information provided on personal protective equipment is for guidance purposes only. A full risk assessment should be conducted prior to using this product to determine the appropriate personal protective equipment to suit local conditions.  
Personal protective equipment should conform to the relevant EN standard.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Delivery form	paste
Colour	Gray
Odor	Oily
Physical state	liquid
Melting point	Not applicable, Product is a liquid
Solidification temperature	< 0 °C (< 32 °F)
Initial boiling point	> 200 °C (> 392 °F)
Flammability	The product is not flammable.
Explosive limits	Not applicable, The product is not flammable.
Flash point	195 °C (383 °F); no method / method unknown
Auto-ignition temperature	Not applicable, The product is not flammable.
Decomposition temperature	Not applicable, Substance/mixture is not self-reactive, no organic peroxide and does not decompose under foreseen conditions of use
pH	Not applicable, Product is non-soluble (in water).
Viscosity (kinematic) (40 °C (104 °F); )	>= 20,5 mm <sup>2</sup> /s
Viscosity, dynamic ( )	Not available.
Solubility (qualitative) (20 °C (68 °F); Solvent: Water)	Insoluble
Solubility (qualitative)	Negligible
Partition coefficient: n-octanol/water	Not applicable
Vapour pressure (20 °C (68 °F))	Mixture < 1 mbar
Density (20 °C (68 °F))	1,230 g/cm <sup>3</sup> no method / method unknown
Relative vapour density: (20 °C)	> 1
Particle characteristics	Not applicable Product is a liquid

### 9.2. Other information

Other information not applicable for this product

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None if used for intended purpose.

### 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

See section reactivity



**10.4. Conditions to avoid**

No decomposition if used according to specifications.

**10.5. Incompatible materials**

None if used properly.

**10.6. Hazardous decomposition products**

None if used for intended purpose.

In case of fire toxic gases can be released.

**SECTION 11: Toxicological information**

**General toxicological information:**

To the best of our knowledge no harmful effects are to be expected if the product is handled and used properly.

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute oral toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
Titanium dioxide 13463-67-7	LD50	> 5.000 mg/kg	rat	OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure)
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm <sup>2</sup> /sec (not cmr) 64742-54-7	LD50	> 5.000 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)
Distillates (petroleum), solvent-dewaxed heavy paraffinic < 3%DMSO 64742-65-0	LD50	> 5.000 mg/kg	rat	OECD Guideline 401 (Acute Oral Toxicity)
Propylidyntrimethanol 77-99-6	LD50	14.700 mg/kg	rat	not specified

**Acute dermal toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Species	Method
Titanium dioxide 13463-67-7	LD50	> 10.000 mg/kg	rabbit	not specified
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm <sup>2</sup> /sec (not cmr) 64742-54-7	LD50	> 5.000 mg/kg	rabbit	OECD Guideline 402 (Acute Dermal Toxicity)
Distillates (petroleum), solvent-dewaxed heavy paraffinic < 3%DMSO 64742-65-0	LD50	> 5.000 mg/kg	rabbit	OECD Guideline 402 (Acute Dermal Toxicity)
Propylidyntrimethanol 77-99-6	LD50	> 10.000 mg/kg	rabbit	not specified

**Acute inhalative toxicity:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Test atmosphere	Exposure time	Species	Method
Titanium dioxide 13463-67-7	LC50	> 6,82 mg/l	dust	4 h	rat	not specified
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm <sup>2</sup> /sec (not cmr) 64742-54-7	LC50	> 5,53 mg/l	dust/mist	4 h	rat	OECD Guideline 403 (Acute Inhalation Toxicity)
Distillates (petroleum), solvent-dewaxed heavy paraffinic < 3%DMSO 64742-65-0	LC50	> 5,53 mg/l	aerosol	4 h	rat	OECD Guideline 403 (Acute Inhalation Toxicity)
Propylidynetrimethanol 77-99-6	LC50	> 0,85 mg/l	dust/mist	4 h	rat	not specified

**Skin corrosion/irritation:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Titanium dioxide 13463-67-7	not irritating	4 h	rabbit	OECD Guideline 404 (Acute Dermal Irritation / Corrosion)
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm <sup>2</sup> /sec (not cmr) 64742-54-7	not irritating	24 h	rabbit	not specified
Distillates (petroleum), solvent-dewaxed heavy paraffinic < 3%DMSO 64742-65-0	not irritating	24 h	rabbit	not specified
Propylidynetrimethanol 77-99-6	not irritating	24 h	rabbit	not specified

**Serious eye damage/irritation:**

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Exposure time	Species	Method
Titanium dioxide 13463-67-7	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm <sup>2</sup> /sec (not cmr) 64742-54-7	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Distillates (petroleum), solvent-dewaxed heavy paraffinic < 3%DMSO 64742-65-0	not irritating		rabbit	OECD Guideline 405 (Acute Eye Irritation / Corrosion)
Propylidynetrimethanol 77-99-6	not irritating		rabbit	not specified

**Respiratory or skin sensitization:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Test type	Species	Method
Titanium dioxide 13463-67-7	not sensitising	Mouse local lymphnode assay (LLNA)	mouse	equivalent or similar to OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)
Titanium dioxide 13463-67-7	not sensitising	Buehler test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm <sup>2</sup> /sec (not cmr) 64742-54-7	not sensitising	Buehler test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Distillates (petroleum), solvent-dewaxed heavy paraffinic < 3%DMSO 64742-65-0	not sensitising	Buehler test	guinea pig	OECD Guideline 406 (Skin Sensitisation)
Propylidynetrimehtanol 77-99-6	not sensitising	Mouse local lymphnode assay (LLNA)	mouse	OECD Guideline 429 (Skin Sensitisation: Local Lymph Node Assay)

**Germ cell mutagenicity:**

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Titanium dioxide 13463-67-7	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Titanium dioxide 13463-67-7	negative	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Titanium dioxide 13463-67-7	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Titanium dioxide 13463-67-7	negative	in vitro mammalian cell micronucleus test	without		equivalent or similar to OECD Guideline 487 (In vitro Mammalian Cell Micronucleus Test)
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm <sup>2</sup> /sec (not cmr) 64742-54-7	negative	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Distillates (petroleum), solvent-dewaxed heavy paraffinic < 3%DMSO 64742-65-0	negative	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Distillates (petroleum), solvent-dewaxed heavy paraffinic < 3%DMSO 64742-65-0	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Propylidynetrimethanol 77-99-6	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		OECD Guideline 471 (Bacterial Reverse Mutation Assay)
Propylidynetrimethanol 77-99-6	negative	in vitro mammalian chromosome aberration test	with and without		OECD Guideline 473 (In vitro Mammalian Chromosome Aberration Test)
Propylidynetrimethanol 77-99-6	negative	mammalian cell gene mutation assay	with and without		OECD Guideline 476 (In vitro Mammalian Cell Gene Mutation Test)
Titanium dioxide 13463-67-7	negative	oral: gavage		rat	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Distillates (petroleum), solvent-dewaxed heavy paraffinic < 3%DMSO 64742-65-0	negative	oral: gavage		mouse	OECD Guideline 474 (Mammalian Erythrocyte Micronucleus Test)
Propylidynetrimethanol 77-99-6	negative	oral: gavage		rat	OECD Guideline 475 (Mammalian Bone Marrow Chromosome Aberration Test)
Propylidynetrimethanol 77-99-6	positive	oral: gavage		rat	OECD Guideline 489 (In Vivo Mammalian Alkaline Comet Assay)
Propylidynetrimethanol 77-99-6	positive	intraperitoneal		hamster, Chinese	not specified
Propylidynetrimethanol 77-99-6	negative	oral: feed		Drosophila melanogaster	not specified

### Carcinogenicity

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Sex	Method
Titanium dioxide 13463-67-7	not carcinogenic	oral: feed	103 w daily	rat	male/female	not specified
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm <sup>2</sup> /sec (not cmr) 64742-54-7	not carcinogenic	dermal	78 w various	mouse	female	OECD Guideline 451 (Carcinogenicity Studies)

### Reproductive toxicity:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Test type	Route of application	Species	Method
Titanium dioxide 13463-67-7	NOAEL P >= 1.000 mg/kg NOAEL F1 >= 1.000 mg/kg	one-generation study	oral: feed	rat	OECD Guideline 443 (Extended One-Generation Reproductive Toxicity Study)
Propylidynetrimethanol 77-99-6	NOAEL P > 6000 ppm NOAEL F1 > 6000 ppm	screening	oral: drinking water	rat	OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test)
Propylidynetrimethanol 77-99-6	NOAEL P 2200 ppm NOAEL F1 2200 ppm NOAEL F2 740 ppm	one-generation study	oral: drinking water	rat	OECD Guideline 443 (Extended One-Generation Reproductive Toxicity Study)

### STOT-single exposure:

No data available.

### STOT-repeated exposure:

The mixture is classified based on threshold limits referring to the classified substances present in the mixture.

Hazardous substances CAS-No.	Result / Value	Route of application	Exposure time / Frequency of treatment	Species	Method
Titanium dioxide 13463-67-7	NOAEL > 1.000 mg/kg	oral: gavage	92 d daily	rat	OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
Propylidynetrimethanol 77-99-6	NOAEL 67 mg/kg	oral: feed	90 d daily	rat	not specified

### Aspiration hazard:

The mixture is classified based on Viscosity data.

Hazardous substances CAS-No.	Viscosity (kinematic) Value	Temperature	Method	Remarks
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm <sup>2</sup> /sec (not cmr) 64742-54-7	20 mm <sup>2</sup> /s	40 °C	not specified	
Distillates (petroleum), solvent-dewaxed heavy paraffinic < 3%DMSO 64742-65-0	20 mm <sup>2</sup> /s	40 °C	not specified	

**11.2 Information on other hazards**

not applicable

## SECTION 12: Ecological information

### General ecological information:

Do not empty into drains / surface water / ground water.

### 12.1. Toxicity

#### Toxicity (Fish):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Titanium dioxide 13463-67-7	LC50	Toxicity > Water solubility	48 h	Leuciscus idus	OECD Guideline 203 (Fish, Acute Toxicity Test)
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm <sup>2</sup> /sec (not cmr) 64742-54-7	LL50	> 100 mg/l	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Distillates (petroleum), solvent-dewaxed heavy paraffinic < 3%DMSO 64742-65-0	LC50	> 5.000 mg/l	96 h	Oncorhynchus mykiss	OECD Guideline 203 (Fish, Acute Toxicity Test)
Propylidyntrimethanol 77-99-6	LC50	> 1.000 mg/l	96 h	Alburnus alburnus	other guideline:

#### Toxicity (aquatic invertebrates):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Titanium dioxide 13463-67-7	EC50	Toxicity > Water solubility	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm <sup>2</sup> /sec (not cmr) 64742-54-7	EL50	> 10.000 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Distillates (petroleum), solvent-dewaxed heavy paraffinic < 3%DMSO 64742-65-0	EC50	> 1.000 mg/l	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Propylidyntrimethanol 77-99-6	EC50	13.000 mg/l	48 h	Daphnia magna	other guideline:

#### Chronic toxicity (aquatic invertebrates):

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Titanium dioxide 13463-67-7	NOEC	Toxicity > Water solubility	21 d	Daphnia magna	OECD Guideline 202 (Daphnia sp. Chronic Immobilisation Test)
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm <sup>2</sup> /sec (not cmr) 64742-54-7	NOELR	10 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)
Distillates (petroleum), solvent-dewaxed heavy	NOEC	> 1.000 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)

paraffinic < 3%DMSO 64742-65-0					
Propylidyntrimethanol 77-99-6	NOEC	> 1.000 mg/l	21 d	Daphnia magna	OECD 211 (Daphnia magna, Reproduction Test)

#### Toxicity (Algae):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Titanium dioxide 13463-67-7	EC50	Toxicity > Water solubility	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Titanium dioxide 13463-67-7	NOEC	Toxicity > Water solubility	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm <sup>2</sup> /sec (not cmr) 64742-54-7	EL50	> 100 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm <sup>2</sup> /sec (not cmr) 64742-54-7	NOELR	100 mg/l	72 h	Pseudokirchneriella subcapitata	OECD Guideline 201 (Alga, Growth Inhibition Test)
Propylidyntrimethanol 77-99-6	EC50	> 1.000 mg/l	72 h	Selenastrum capricornutum (new name: Pseudokirchneriella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)

#### Toxicity (microorganisms):

The mixture is classified based on calculation method referring to the classified substances present in the mixture.

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Value type	Value	Exposure time	Species	Method
Titanium dioxide 13463-67-7	EC0	Toxicity > Water solubility	24 h	Pseudomonas fluorescens	DIN 38412, part 8 (Pseudomonas Zellvermehrungshemm- Test)
Propylidyntrimethanol 77-99-6	EC10	> 1.000 mg/l	3 h	activated sludge of a predominantly domestic sewage	EU Method C.11 (Biodegradation: Activated Sludge Respiration Inhibition Test)

#### 12.2. Persistence and degradability

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Result	Test type	Degradability	Exposure time	Method
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm <sup>2</sup> /sec (not cmr) 64742-54-7	not readily biodegradable.	aerobic	31 %	28 d	OECD Guideline 301 F (Ready Biodegradability: Manometric Respirometry Test)
Distillates (petroleum), solvent-dewaxed heavy paraffinic < 3%DMSO 64742-65-0	not readily biodegradable.	aerobic	6 %	28 d	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Propylidyntrimethanol 77-99-6	not readily biodegradable.	aerobic	6 %	28 d	OECD Guideline 301 E (Ready biodegradability: Modified OECD Screening Test)
Propylidyntrimethanol 77-99-6	inherently biodegradable	aerobic	100 %	28 d	OECD Guideline 302 B (Inherent biodegradability: Zahn- Wellens/EMPA Test)



### 12.3. Bioaccumulative potential

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	Bioconcentration factor (BCF)	Exposure time	Temperature	Species	Method
Propylidynetrimethanol 77-99-6	< 17	42 d	25 °C	Cyprinus carpio	OECD Guideline 305 C (Bioaccumulation: Test for the Degree of Bioconcentration in Fish)

### 12.4. Mobility in soil

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	LogPow	Temperature	Method
Propylidynetrimethanol 77-99-6	-0,47	26 °C	not specified

### 12.5. Results of PBT and vPvB assessment

The table below presents the data of the classified substances present in the mixture.

Hazardous substances CAS-No.	PBT / vPvB
Titanium dioxide 13463-67-7	According to Annex XIII of regulation (EC) 1907/2006 a PBT and vPvB assessment shall not be conducted for inorganic substances.
Distillates (petroleum), hydrotreated heavy paraffinic, <3% DMSO, <20.5mm <sup>2</sup> /sec (not cmr) 64742-54-7	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Distillates (petroleum), solvent-dewaxed heavy paraffinic < 3%DMSO 64742-65-0	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.
Propylidynetrimethanol 77-99-6	Not fulfilling Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB) criteria.

### 12.6. Endocrine disrupting properties

not applicable

### 12.7. Other adverse effects

The product contains hydrocarbons.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product disposal:

In consultation with the responsible local authority, must be subjected to special treatment.

Waste code

The valid EWC waste code numbers are source-related. The manufacturer is therefore unable to specify EWC waste codes for the articles or products used in the various sectors. The EWC codes listed are intended as a recommendation for users. We will be happy to advise you.

130205

## SECTION 14: Transport information

- 14.1. UN number or ID number**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.2. UN proper shipping name**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.3. Transport hazard class(es)**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.4. Packing group**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.5. Environmental hazards**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.6. Special precautions for user**  
Not hazardous according to RID, ADR, ADN, IMDG, IATA-DGR.
- 14.7. Maritime transport in bulk according to IMO instruments**  
not applicable

## SECTION 15: Regulatory information

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

Ozone Depleting Substance (ODS) (Regulation (EC) No 1005/2009):	Not applicable
Prior Informed Consent (PIC) (Regulation (EU) No 649/2012):	Not applicable
Persistent organic pollutants (Regulation (EU) 2019/1021):	Not applicable
VOC content (2010/75/EU)	0,0 %

### 15.2. Chemical safety assessment

A chemical safety assessment has not been carried out.

### National regulations/information (Germany):

WGK: WGK 1: slightly hazardous to water (Ordinance on facilities for handling substances that are hazardous to water (AwSV) )  
Classification according to AwSV, Annex 1 (5.2)

Storage class according to TRGS 510: 10

## SECTION 16: Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

- H304 May be fatal if swallowed and enters airways.
- H351 Suspected of causing cancer.
- H361fd Suspected of damaging fertility. Suspected of damaging the unborn child.

ED:	Substance identified as having endocrine disrupting properties
EU OEL:	Substance with a Union workplace exposure limit
EU EXPLD 1:	Substance listed in Annex I, Reg (EC) No. 2019/1148
EU EXPLD 2	Substance listed in Annex II, Reg (EC) No. 2019/1148
SVHC:	Substance of very high concern (REACH Candidate List)
PBT:	Substance fulfilling persistent, bioaccumulative and toxic criteria
PBT/vPvB:	Substance fulfilling persistent, bioaccumulative and toxic plus very persistent and very bioaccumulative criteria
vPvB:	Substance fulfilling very persistent and very bioaccumulative criteria

### Further information:

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