

ADROIT SEAM SEALER

SAFETY DATA SHEET

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

1.1. Product identifier

Product form : Mixture
Product name : SEAM SEALER
Type of product : Sealants

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

1.2.1. Relevant identified uses

Intended for general public

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

ADROIT ENDÜSTRİYEL KİMYA SANAYİ TİC. A.Ş
Ayazağa Mah. Mimar Sinan Sok. Seba Ofis Bulvarı No:21
Dblok Kat:9 64 numaralı ofis Sarıyer – İstanbul
info@adroit.com.tr - www.adroit.com.tr
E-mail address of competent person responsible for the SDS : satis@adroit.com.t

1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Newcastle Centre) Regional Drugs and Therapeutics Centre, Wolfson Unit	Claremont Place Newcastle -upon-Tyne NE1 4LP Newcastle	0344 892 0111	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin sensitisation, Category 1 H317

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

Adverse physicochemical, human health and environmental effects

May cause an allergic skin reaction.

2.2. Label elements

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

Hazard pictograms (CLP) :

Signal word (CLP) : GHS07
: Warning
Hazardous ingredients : Trimethoxyvinylsilane; trimethoxy(vinyl)silane
Hazard statements (CLP) : H317 - May cause an allergic skin reaction.



Precautionary statements (CLP)	: P 102 - Keep out of reach of children. P261 - Avoid breathing dust, fume, gas, mist, spray, vapours. P280 - Wear protective gloves, protective clothing. P302+P352 - IF ON SKIN: Wash with plenty of water. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P501 - Dispose of an approved waste disposal plan, contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Child-resistant fastening	: Not applicable
Tactile warning	: Not applicable

2.3. Other hazards

This product does not contain any substance(s) classified as PBT or vPvB and does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Distillates (petroleum), hydro-treated light	(CAS-No.) 64742-47-8 (EC-No.) 265-149-8 (EC Index-No.) 649-422-00-2	< 7.5	Asp. Tox. 1, H304
trimethoxyvinylsilane	(CAS-No.) 2768-02-7 (EC-No.) 220-449-8	1 - 1.5	Skin Sens. 1B, H317
3-(trimethoxysilyl)propylamine	(CAS-No.) 13822-56-5 (EC-No.) 237-511-5	< 1	Skin Irrit. 2, H315 Eye Dam. 1, H318
dibutyltin dilaurate; dibutyl[bis(dodecanoyloxy)]stannane	(CAS-No.) 77-58-7 (EC-No.) 201-039-8 (EC Index-No.) 050-030-00-3	< 0.15	Muta. 2, H341 Repr. 1B, H360FD STOT RE 1, H372

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

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

No additional information available

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.



Titanium Dioxide (13463-67-7)	
Bulgaria - Occupational Exposure Limits	
Local name	Титанов диоксид
OEL TWA (mg/m ³)	10 mg/m ³ (респирабилен прах)
Croatia - Occupational Exposure Limits	
Local name	Titanov dioksid
GVI (granična vrijednost izloženosti) (mg/m ³)	10 mg/m ³ U (ukupna prašina) 4 mg/m ³ R (respirabilna prašina)
	Pravilnik o izmjenama i dopunama Pravilnika o graničnim vrijednostima izloženosti opasnim tvarima pri radu i o biološkim graničnim vrijednostima (NN 91/2018)
Denmark - Occupational Exposure Limits	
Local name	Titandioxid
Grænsevædi (langvarig) (mg/m ³)	6 mg/m ³ beregnet som Ti
Estonia - Occupational Exposure Limits	
Local name	Titaanoksiid
OEL TWA (mg/m ³)	5mg/m ³
	Vabariigi Valitsuse 18. septembri 2001. a määruse nr 293 (RT I, 30.11.2001, 011, 5)
France - Occupational Exposure Limits	
Local name	Titane (dioxyde de), en Ti
VME (mg/m ³)	10mg/m ³
Note (FR)	Valeurs recommandées/admises
	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)
Greece - Occupational Exposure Limits	
Local name	Τιτανίου διοξειδίου
OEL TWA (mg/m ³)	10 mg/m ³ εισπν 5 mg/m ³ αναπν.
	Π.Δ. 90/1999
Ireland - Occupational Exposure Limits	
Local name	Titanium dioxide
OEL (8 hours ref) (mg/m ³)	10 mg/m ³ total inhalable dust 4 mg/m ³ respirable dust
Latvia - Occupational Exposure Limits	
Local name	Titāna dioksīds
OEL TWA (mg/m ³)	10mg/m ³
Lithuania - Occupational Exposure Limits	
Local name	Titano dioksidas
IPRV (mg/m ³)	mg/m ³
	, 2018-06-12)

Poland - Occupational Exposure Limits	
Local name	Ditlenek tytanu
NDS (mg/m ³)	10 mg/m ³ frakcja wdychalna
Regulatory reference	Dz. U. 2018 poz. 1286
Portugal - Occupational Exposure Limits	
Local name	Dióxido de titânio
OEL TWA (mg/m ³)	10 mg/m ³
Regulatory reference	Norma Portuguesa NP 1796:2014
Romania - Occupational Exposure Limits	
Local name	Dioxid de titan
OEL TWA (mg/m ³)	10 mg/m ³
OEL STEL (mg/m ³)	15 mg/m ³
Regulatory reference	Hotărârea nr. 584/2018
Slovakia - Occupational Exposure Limits	
Local name	Oxid titaničitý
NPHV (priemerná) (mg/m ³)	5 mg/m ³
Regulatory reference	Nariadenie vlády č. 33/2018 Z.z.
Spain - Occupational Exposure Limits	
Local name	Dióxido de titanio
VLA-ED (mg/m ³)	10 mg/m ³
Regulatory reference	Límites de Exposición Profesional para Agentes Químicos en España 2019. INSHT
Sweden - Occupational Exposure Limits	
Local name	Titandioxid
nivågränsvärde (NVG) (mg/m ³)	5 mg/m ³ totaldamm
Regulatory reference	Hygieniska gränsvärden (AFS 2018:1)
United Kingdom - Occupational Exposure Limits	
Local name	Titanium dioxide
WEL TWA (mg/m ³)	4 mg/m ³ respirable 10 mg/m ³ total inhalable
Regulatory reference	EH40/2005 (Third edition, 2018). HSE
Iceland - Occupational Exposure Limits	
Local name	Titandíoxíð, sem Ti
OEL (8 hours ref) (mg/m ³)	6 mg/m ³
Regulatory reference	Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr. 390/2009)
Norway - Occupational Exposure Limits	
Local name	Titandioksid
Grenseverdier (AN) (mg/m ³)	5 mg/m ³
Regulatory reference	FOR-2018-08-21-1255



Titanium Dioxide (13463-67-7)	
Switzerland - Occupational Exposure Limits	
Local name	Dioxyde de titane / Titandioxid
MAK (mg/m ³)	3mg/m ³ (a) / (a)
Critical toxicity	VRI /UAW
Notation	SS _c / SS _c
Remark	NIOSH
	www.suva.ch, 01.07.2019
USA - ACGIH - Occupational Exposure Limits	
Local name	Titanium dioxide
ACGIH TWA (mg/m ³)	10 mg/m ³
Remark (ACGIH)	TLV® Basis: LRT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
	ACGIH 2019
Limestone (1317-65-3)	
Belgium - Occupational Exposure Limits	
Local name	Calcium (carbonate de) # Calciumcarbonaat
Limit value (mg/m ³)	10 mg/m ³
	Koninklijk besluit/Arrêté royal 02/09/2018
Croatia - Occupational Exposure Limits	
Local name	Kalcijev karbonat
GVI (granična vrijednost izloženosti) (mg/m ³)	10 mg/m ³ U (ukupna prašina) 4 mg/m ³ R (respirabilna prašina)
Estonia - Occupational Exposure Limits	
Local name	Kaltsiumkarbonaat
OEL TWA (mg/m ³)	105 mg/m ³ 5 mg/m ³ peentolm
	Vabariigi Valitsuse 18. septembri 2001. a määruse nr 293 (RT I, 30.11.2011, 5)
Greece - Occupational Exposure Limits	
Local name	Μάρμαρο (ανθρακικό ασβέστιο)
OEL TWA (mg/m ³)	10 mg/m ³ εισπ 5 mg/m ³ αναπν. Π.Δ. 90/1999
Hungary - Occupational Exposure Limits	
Local name	KALCIUM-KARBONÁT
AK-érték	10 mg/m ³
	25/2000. (IX. 30.) EüM –SZCSM együttes rendelet a munkahelyek kémiai biztonságáról
Ireland - Occupational Exposure Limits	
Local name	Calcium carbonate
OEL (8 hours ref) (mg/m ³)	10 mg/m ³ total inhalable dust 4 mg/m ³ respirable dust



Limestone (1317-65-3)	
United Kingdom - Occupational Exposure Limits	
Local name	Calcium carbonate (Limestone, Marble)
WEL TWA (mg/m ³)	10 mg/m ³ total inhalable 4 mg/m ³ respirable
	2018). HSE

Titanium Dioxide (13463-67-7)	
MAK (OEL TWA)	mg/m ³
	mg/m ³

OEL TWA	10 mg/m ³ (респирабилен прах)
	Наредба № 13 от 30.12.2003 г. за защита на работещите от рискове, свързани с експозиция на химични агенти при работа (изм. и доп. ДВ. бр.73 от 4 септември 2018 г.)
GVI (OEL TWA) [1]	10 mg/m ³ U (ukupna prašina) 4 mg/m ³ R (respirabilna prašina)
	Pravilnik o izmjenama i dopunama Pravilnika o graničnim vrijednostima izloženosti opasnim tvarima pri radu i o biološkim graničnim vrijednostima (NN 91/2018)
OEL TWA [1]	6 mg/m ³ beregnet som Ti
OEL TWA	mg/m ³
	Vabariigi Valitsuse 18. septembri 2001. a määruse nr 293 (RT I, 30.11.2011, 5)
Remark	
	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)



Titanium Dioxide (13463-67-7)	
Greece - Occupational Exposure Limits	
Local name	Τιτανίου διοξειδίο
OEL TWA	10 mg/m ³ εισπν 5 mg/m ³ αναπν. Π.Δ. 90/1999
Ireland - Occupational Exposure Limits	
Local name	Titanium dioxide
OEL TWA [1]	10 mg/m ³ total inhalable dust 4 mg/m ³ respirable dust
Latvia - Occupational Exposure Limits	
Local name	Titāna dioksīds
OEL TWA	10 mg/m ³ Ministru kabineta 2007.gada 15.maija noteikumiem Nr.325 (Grozījumi Ministru kabineta 2011.gada 1.februārī noteikumiem Nr.92)
Lithuania - Occupational Exposure Limits	
Local name	Titano dioksidas
IPRV (OEL TWA)	mg/m ³ , 2018-06-12)
Poland - Occupational Exposure Limits	
Local name	Ditlenek tytanu
NDS (OEL TWA)	10 mg/m ³ frakcja wdychalna Dz. U. 2018 poz. 1286
Portugal - Occupational Exposure Limits	
Local name	Dióxido de titânio
OEL TWA	10 mg/m ³
Romania - Occupational Exposure Limits	
Local name	Dioxid de titan
OEL TWA	10 mg/m ³
OEL STEL	15 mg/m ³ Hotărârea nr. 584/2018
Slovakia - Occupational Exposure Limits	
Local name	Oxid titaničitý
NPHV (OEL TWA) [1]	5mg/m ³ Nariadenie vlády č. 33/2018 Z.z
Spain - Occupational Exposure Limits	
Local name	Dióxido de titanio
VLA-ED (OEL TWA) [1]	10 mg/m ³ Limites de Exposición Profesional para Agentes Químicos en España 2019 (ISH)



Titanium Dioxide (13463-67-7)	
Sweden - Occupational Exposure Limits	
Local name	Titandioxid
NGV (OEL TWA)	5 mg/m ³ totaldamm
	Hygieniska gränsvärden (AFS 2018:1)
United Kingdom - Occupational Exposure Limits	
Local name	Titanium dioxide
WEL TWA (OEL TWA) [1]	4 mg/m ³ respirable 10 mg/m ³ total inhalable
	2018). HSE
Iceland - Occupational Exposure Limits	
Local name	Titandíoxíð, semTi
OEL TWA	6 mg/m ³
	Reglugerð um mengunarmörk og aðgerðir til að draga úr mengun á vinnustöðum (Nr 390/2009)
Norway - Occupational Exposure Limits	
Local	Titandioksid
	mg/m ³
Switzerland - Occupational Exposure Limits	
Local name	Dioxyde de titane / Titandioxid
MAK (OEL TWA) [1]	3 mg/m ³ (a) / (a)
Critical toxicity	VRI/UAW
Notation	SS _c / SS _c
Remark	NIOSH
	www.suva.ch, 01.07.2019
USA - ACGIH - Occupational Exposure Limits	
Local name	Titanium dioxide
ACGIH OEL TWA	10 mg/m ³
Remark (ACGIH)	TLV® Basis: LRT irr. Notations: A4 (Not classifiable as a Human Carcinogen)
	ACGIH 2019

dibutyltin dilaurate; dibutyl[bis(dodecanoyloxy)] stannane (77-58-7)	
Austria - Occupational Exposure Limits	
Local name	Dibutylzinndilaurat
Remark	Fortpflanzungsgefährdend: F, D
	BGBl. II Nr. 238/2018

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.



Respiratory protection:

Not required

Personal protective equipment symbol(s):



Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Paste.
Colour	: Black. White. Grey. Beige.
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.33 – 1.39 g/ml
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: Not applicable

9.2. Other information



Hand protection:
EN 374. Chemically resistant protective gloves
Eye protection:
Not required
Respiratory protection:
Not required

Personal protective equipment symbol(s):



Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Paste.
Colour	: Black. White. Grey. Beige.
Odour	: No data available
Odour threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.33 – 1.39 g/ml
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: Not applicable

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.



10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

dibutyltin dilaurate; dibutyl[bis(dodecanoyloxy)] stannane (77-58-7)

LD50 oral rat	2071 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1207 - 5106
LD50 dermal rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EU Method B.3 (Acute Toxicity (Dermal))

Distillates (petroleum), hydro- treated light (64742-47-8)

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Guideline: EPA OTS 798.1175 (Acute Oral Toxicity), Guideline: OECD Guideline 420 (Acute Oral Toxicity - Fixed Dose Method)
LD50 dermal rabbit	> 2000 mg/kg bodyweight Animal: rabbit, Guideline: EPA OTS 798.1100 (Acute Dermal Toxicity), Guideline: OECD Guideline 402 (Acute Dermal Toxicity)
LC50 inhalation rat (mg/l)	> 5.28 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), 95% CL: 0,42 -

Titanium Dioxide (13463-67-7)

LD50 oral rat	> 5000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity)
---------------	--

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitisation : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

trimethoxyvinylsilane (2768-02-7)

NOAEL (animal/male, F0/P)	1000 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Combined Repeated Dose and Reproductive / Developmental Toxicity Screening Test (Precursor Protocol of GL 422)
NOAEL (animal/female, F0/P)	250 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Combined Repeated Dose and Reproductive / Developmental Toxicity Screening Test (Precursor Protocol of GL 422)



dibutyltin dilaurate; dibutyl[bis(dodecanoyloxy)] stannane (77-58-7)

NOAEL (animal/male, F0/P)	1.9 – 2.3 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test)
NOAEL (animal/female, F0/P)	1.7 – 2.4 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 421 (Reproduction / Developmental Toxicity Screening Test)

Distillates (petroleum), hydro- treated light (64742-47-8)

NOAEL (animal/male, F0/P)	≥ 3000 mg/kg bodyweight Animal: rat, Animal sex: male
---------------------------	---

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

trimethoxyvinylsilane (2768-02-7)

LOAEL (oral, rat, 90 days)	62.5 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEL (oral, rat, 90 days)	< 62.5 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

3-(trimethoxysilyl)propylamine (13822-56-5)

LOAEL (oral, rat, 90 days)	600 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)
NOAEL (oral, rat, 90 days)	200 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)

Distillates (petroleum), hydro- treated light (64742-47-8)

NOAEL (oral, rat, 90 days)	750 mg/kg bodyweight Animal: rat, Animal sex: female
NOAEC (inhalation, rat, vapour, 90 days)	≥ 0.024 mg/l air Animal: rat, Guideline: OECD Guideline 412 (Subacute Inhalation Toxicity: 28-Day Study)

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

trimethoxyvinylsilane (2768-02-7)

LC50 fish ₁	> 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50 Daphnia 1	168.7 mg/l Test organisms (species): Daphnia magna
EC50 72h algae (1)	> 957 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

3-(trimethoxysilyl)propylamine (13822-56-5)

LC50 fish ₁	> 934 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
------------------------	---



EC50 Daphnia 1	331 mg/l Test organisms (species): Daphnia magna
EC50 72h algae (1)	> 1000 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)
EC50 72h algae (2)	603 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

dibutyltin dilaurate; dibutyl[bis(dodecanoyloxy)] stannane (77-58-7)	
EC50 Daphnia 1	1.7 – 3.4 mg/l Test organisms (species): Daphnia magna
EC50 Daphnia 2	< 463 µg/l Test organisms (species): Daphnia magna
EC50 72h algae (1)	> 1 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)

Titanium Dioxide (13463-67-7)	
LC50 fish 1	155 mg/l Test organisms (species): other:Japanese Medaka
EC50 Daphnia 1	19.3 mg/l Test organisms (species): Daphnia magna
EC50 Daphnia 2	27.8 mg/l Test organisms (species): Daphnia magna
EC50 72h algae (1)	> 100 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)
NOEC (chronic)	≥ 2.92 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable



ADROIT

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with

SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable

