according to Regulation (EC) No. 1907/2006



# **ARALDITE® 2028-1 POLYOL**

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

#### 1.1 Product identifier

Trade name : ARALDITE® 2028-1 POLYOL

Unique Formula Identifier

(UFI)

: K2V0-J0Y5-2007-61EN

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

Use of the : Component of a Polyurethane System.

Substance/Mixture

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

Company : Huntsman Advanced Materials (Europe)BVBA

Address : Everslaan 45 3078 Everberg

Belgium

Telephone : +41 61 299 20 41

Telefax : +41 61 299 20 40

E-mail address of person

responsible for the SDS

: Global\_Product\_EHS\_AdMat@huntsman.com

#### 1.4 Emergency telephone number

Emergency telephone number : Centres Antipoison et de Toxicovigilance:

ANGERS: 02 41 48 21 21 BORDEAUX: 05 56 96 40 80 LILLE: 0 825 812 822

LYON: 04 72 11 69 11 MARSEILLE 04 91 75 25 25 NANCY: 03 83 32 36 36 PARIS: 01 40 05 48 48 RENNES: 02 99 59 22 22 STRASBOURG: 03 88 37 37 37 TOULOUSE: 05 61 77 74 47 EUROPE: +32 35 75 1234

France ORFILA: +33(0)145425959

ASIA: +65 6336-6011 China: +86 20 39377888 +86 532 83889090

India: + 91 22 42 87 5333 Australia: 1800 786 152 New Zealand: 0800 767 437 USA: +1/800/424.9300

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## **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Eye irritation, Category 2 H319: Causes serious eye irritation.

#### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms

Signal word : Warning

Hazard statements : H319 Causes serious eye irritation.

Precautionary statements : **Prevention:** 

P264 Wash skin thoroughly after handling. P280 Wear eye protection/ face protection.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with

water for several minutes. Remove contact lenses, if present and easy to do. Continue

rinsing.

P337 + P313 If eye irritation persists: Get medical advice/

attention.

#### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher

#### **SECTION 3: Composition/information on ingredients**

## 3.2 Mixtures

#### **Hazardous components**

Chemical name	CAS-No.	Classification	Concent
	EC-No.		ration
	Index-No.		(% w/w)
	Registration number		(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,

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[3-(2,3- epoxypropoxy)propyl]trimethoxy silane	2530-83-8 219-784-2 01-2119513212-58	Eye Dam. 1; H318 Aquatic Chronic 3; H412	>= 1 - < 2,5
propylidynetrimethanol	77-99-6 201-074-9	Repr. 2; H361	>= 1 - < 3
	01-2119486799-10		-

For explanation of abbreviations see section 16.

#### **SECTION 4: First aid measures**

# 4.1 Description of first aid measures

General advice : Move out of dangerous area.

Consult a physician.

Show this safety data sheet to the doctor in attendance.

Treat symptomatically.

Get medical attention if symptoms occur.

Protection of first-aiders : First Aid responders should pay attention to self-protection

and use the recommended protective clothing

If potential for exposure exists refer to Section 8 for specific

personal protective equipment.

No action shall be taken involving any personal risk or without

suitable training.

If inhaled : If inhaled, remove to fresh air.

Get medical attention if symptoms occur.

In case of skin contact : Wash with water and soap as a precaution.

In case of eye contact : Immediately flush eye(s) with plenty of water.

Remove contact lenses.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed : Induce vomiting immediately and call a physician.

Keep respiratory tract clear.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician. Take victim immediately to hospital.

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

None known.

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

Treatment : Treat symptomatically.

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# **SECTION 5: Firefighting measures**

## 5.1 Extinguishing media

Suitable extinguishing media : Water spray

Alcohol-resistant foam Carbon dioxide (CO2)

Dry chemical

Unsuitable extinguishing

media

Exercise caution when using a high volume water jet as it may

scatter and spread fire

#### 5.2 Special hazards arising from the substance or mixture

Specific hazards during

firefighting

Do not allow run-off from fire fighting to enter drains or water

courses.

Hazardous combustion

products

No hazardous combustion products are known

#### 5.3 Advice for firefighters

Special protective equipment :

for firefighters

Wear self-contained breathing apparatus for firefighting if

necessary.

Specific extinguishing

methods

Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Further information : Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

#### **SECTION 6: Accidental release measures**

## 6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

Refer to protective measures listed in sections 7 and 8.

#### 6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform

respective authorities.

# 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel,

acid binder, universal binder, sawdust).

Keep in suitable, closed containers for disposal.

according to Regulation (EC) No. 1907/2006



Enriching lives through innovation

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#### 6.4 Reference to other sections

For disposal considerations see section 13., See Section 1 for emergency contact information., For personal protection see section 8.

# **SECTION 7: Handling and storage**

## 7.1 Precautions for safe handling

Advice on safe handling Do not breathe vapours/dust.

Avoid exposure - obtain special instructions before use.

Avoid contact with skin and eyes. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the

application area.

Dispose of rinse water in accordance with local and national

regulations.

fire and explosion

Advice on protection against : Normal measures for preventive fire protection.

Hygiene measures When using do not eat or drink. When using do not smoke.

Wash hands before breaks and at the end of workday.

#### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage

areas and containers

Keep container tightly closed in a dry and well-ventilated place. Observe label precautions. Keep in properly labelled

containers.

Advice on common storage For incompatible materials please refer to Section 10 of this

SDS.

Further information on

storage stability

Stable under normal conditions.

Recommended storage

temperature

: 2 - 40 °C

#### 7.3 Specific end use(s)

Specific use(s) : No data available

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

#### 8.1 Control parameters

Contains no substances with occupational exposure limit values.

## Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
.epsilon Caprolactone,	Workers	Inhalation	Long-term systemic effects	3,5 mg/m3

according to Regulation (EC) No. 1907/2006



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oligomeric reaction products with propylidynetrimethano				
•	Workers	Dermal	Long-term systemic effects	1,1 mg/kg
	Consumers	Inhalation	Long-term systemic effects	1 mg/m3
	Consumers	Dermal	Long-term systemic effects	0,6 mg/kg
	Consumers	Oral	Long-term systemic effects	0,6 mg/kg
[3-(2,3- epoxypropoxy)propyl]t rimethoxysilane	Workers	Dermal	Systemic effects, Long-term exposure	21 mg/kg bw/day
	Workers	Inhalation	Systemic effects, Long-term exposure	147 mg/m3
	Consumers	Oral	Systemic effects, Long-term exposure	12,5 mg/kg bw/day
	Consumers	Inhalation	Systemic effects, Long-term exposure	43,5 mg/kg bw/day
	Consumers	Dermal	Systemic effects, Long-term exposure	12,5 mg/kg bw/day
propylidynetrimethano I	Workers	Inhalation	Long-term systemic effects	3,3 mg/m3
	Workers	Dermal	Long-term systemic effects	0,94 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	0,58 mg/m3
	Consumers	Dermal	Long-term systemic effects	0,34 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	0,34 mg/kg bw/day

# Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
.epsilonCaprolactone, oligomeric reaction products with propylidynetrimethanol	Fresh water	0,15 mg/l
	Marine water	0,015 mg/l
	Freshwater - intermittent	1,5 mg/l
	Sewage treatment plant	670 mg/l
[3-(2,3- epoxypropoxy)propyl]trimethoxys ilane	Fresh water	1 mg/l
	Marine water	0,1 mg/l
	Freshwater - intermittent	1 mg/l
	Sewage treatment plant	10 mg/l
	Fresh water sediment	3,6 mg/kg
	Marine sediment	0,36 mg/kg
	Soil	0,14 mg/kg

#### 8.2 Exposure controls

Personal protective equipment

according to Regulation (EC) No. 1907/2006



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Eye protection : Eye wash bottle with pure water

Tightly fitting safety goggles

Wear face-shield and protective suit for abnormal processing

problems.

Hand protection

butyl-rubber Material

Break through time > 8 h

Nitrile rubber Material Break through time 10 - 480 min

: Ethyl Vinyl Alcohol Laminate (EVAL) Material

Break through time : > 8 h

Remarks : Chemical-resistant, impervious gloves complying with an

> approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection Impervious clothing

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection Use respiratory protection unless adequate local exhaust

> ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines

Recommended Filter type:

Combined particulates and organic vapour type

Filter type Filter type A-P

#### **SECTION 9: Physical and chemical properties**

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

Physical state : liquid

Colour colourless

Odour : slight

Odour Threshold : No data is available on the product itself.

pΗ : substance/mixture is non-soluble (in water)

Melting point/freezing point : No data available

Initial boiling point and boiling

range

: No data available

: > 100 °C Flash point

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Method: closed cup

Flammability (solid, gas) : No data is available on the product itself.

Upper explosion limit / Upper

flammability limit

: No data is available on the product itself.

Lower explosion limit / Lower

flammability limit

: No data is available on the product itself.

Vapour pressure : No data is available on the product itself.

Relative vapour density : No data is available on the product itself.

Relative density : No data is available on the product itself.

Density : 1,1 g/cm3 (25 °C)

Solubility(ies)

Water solubility : insoluble (20 °C)

Solubility in other solvents : No data is available on the product itself.

Partition coefficient: n-

octanol/water

: No data is available on the product itself.

Auto-ignition temperature : No data is available on the product itself.

Decomposition temperature : No data is available on the product itself.

Viscosity

Viscosity, dynamic : 4 000 - 5 000 mPa.s (25 °C)

9.2 Other information

Explosive properties : No data is available on the product itself.

Oxidizing properties : No data is available on the product itself.

Burning rate : No data is available on the product itself.

Evaporation rate : No data is available on the product itself.

Molecular weight : No data available

#### **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

# 10.2 Chemical stability

Stable under normal conditions.

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10.3 Possibility of hazardous reactions

Hazardous reactions : No hazards to be specially mentioned.

10.4 Conditions to avoid

Conditions to avoid : None known.

10.5 Incompatible materials

Materials to avoid : None known.

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

# **SECTION 11: Toxicological information**

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

#### **Acute toxicity**

#### **Components:**

#### [3-(2,3-epoxypropoxy)propyl]trimethoxysilane:

Acute oral toxicity : LD50 (Rat, male and female): 8 025 mg/kg

Method: OECD Test Guideline 401

Assessment: The substance or mixture has no acute oral

toxicity

Acute inhalation toxicity : LC50 (Rat, male and female): > 5,3 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: OECD Test Guideline 403

Assessment: The substance or mixture has no acute

inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit, male): 4 250 mg/kg

Method: OECD Test Guideline 402

propylidynetrimethanol:

Acute oral toxicity : LD50 (Rat, male): ca. 14 700 mg/kg

Method: OECD Test Guideline 401

GLP: no

Assessment: The substance or mixture has no acute oral

toxicity

Acute inhalation toxicity : LC50 (Rat, male): > 850 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: Directive 67/548/EEC, Annex V, B.2.

GLP: no

Assessment: The substance or mixture has no acute

inhalation toxicity

Acute dermal toxicity : LD50 (Rabbit): > 10 000 mg/kg

Method: OECD Test Guideline 402

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GLP: no

Assessment: The substance or mixture has no acute dermal

toxicity

#### Skin corrosion/irritation

## **Components:**

# [3-(2,3-epoxypropoxy)propyl]trimethoxysilane:

Species : Rabbit

Method : OECD Test Guideline 404

Result : No skin irritation

#### propylidynetrimethanol:

Species : Rabbit Exposure time : 24 h

Assessment : No skin irritation

Method : Directive 67/548/EEC, Annex V, B.4.

Result : No skin irritation

## Serious eye damage/eye irritation

#### **Components:**

## [3-(2,3-epoxypropoxy)propyl]trimethoxysilane:

Species : Rabbit

Assessment : Severe eye irritation

Method : OECD Test Guideline 405

Result : Risk of serious damage to eyes.

# propylidynetrimethanol:

Species : Rabbit

Assessment : No eye irritation Result : No eye irritation

GLP : no

# Respiratory or skin sensitisation

## **Components:**

#### [3-(2,3-epoxypropoxy)propyl]trimethoxysilane:

Exposure routes : Skin Species : Guinea pig

Method : OECD Test Guideline 406

Result : Does not cause skin sensitisation.

## propylidynetrimethanol:

Test Type : Local lymph node assay (LLNA)

Exposure routes : Skin Species : Mouse

Assessment : Did not cause sensitisation on laboratory animals.

Method : OECD Test Guideline 429

Result : Did not cause sensitisation on laboratory animals.

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GLP : yes

#### Germ cell mutagenicity

#### Components:

## [3-(2,3-epoxypropoxy)propyl]trimethoxysilane:

Genotoxicity in vitro : Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 476

Result: positive

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: positive

Genotoxicity in vivo : Application Route: Intraperitoneal injection

Method: OECD Test Guideline 474

Result: positive

Application Route: Intraperitoneal injection

Dose: 1600 mg/kg Result: negative

Application Route: Oral

Result: negative

## propylidynetrimethanol:

Genotoxicity in vitro : Test Type: reverse mutation assay

Test system: Salmonella tryphimurium and E. coli

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 471

Result: negative

GLP: yes

Test Type: Chromosome aberration test in vitro

Test system: Chinese hamster lung cells

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 473

Result: negative

GLP: yes

Test Type: In vitro mammalian cell gene mutation test

Test system: Chinese hamster lung cells

Metabolic activation: with and without metabolic activation

Method: OECD Test Guideline 476

Result: negative GLP: yes

#### Carcinogenicity

#### **Components:**

[3-(2,3-epoxypropoxy)propyl]trimethoxysilane:

Species : Mouse, male

according to Regulation (EC) No. 1907/2006



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Application Route : Dermal
Exposure time : 482 days
Dose : 5 mg/kg
Frequency of Treatment : 3 daily
Result : negative

#### Reproductive toxicity

#### **Components:**

## [3-(2,3-epoxypropoxy)propyl]trimethoxysilane:

Effects on fertility : Species: Rat, male and female

Application Route: Oral

Method: OECD Test Guideline 415

Result: No effects on fertility and early embryonic

development were detected.

Effects on foetal development

Species: Rabbit, female Application Route: Oral

General Toxicity Maternal: NOAEL: 200 mg/kg body weight

Method: OECD Test Guideline 414 Result: No teratogenic effects

#### propylidynetrimethanol:

Effects on fertility : Test Type: Reproduction / Developmental Toxicity Screening

Test

Species: Rat. male and female

Application Route: Oral

Dose: 0/250/500/1000 mg/kg bw/day Frequency of Treatment: 7 days/week

General Toxicity - Parent: NOAEL: > 1 000 mg/kg body weight General Toxicity F1: NOAEL: > 1 000 mg/kg body weight

Method: OECD Test Guideline 421

Result: negative

GLP: yes

Species: Rat, male and female Application Route: Oral

Dose: 0/740/2200/6600 ppm

Frequency of Treatment: 7 days/week General Toxicity - Parent: NOAEL: 2 200 ppm General Toxicity F1: NOAEL: 2 200 ppm

General Toxicity F2: NOAEL: 740 parts per million

Method: OECD Test Guideline 443

GLP: yes

Effects on foetal development

: Test Type: Pre-natal Species: Rabbit, female Application Route: Oral

Duration of Single Treatment: 24 d Frequency of Treatment: 7 days/week

General Toxicity Maternal: NOAEL: >= 450 mg/kg body weight Developmental Toxicity: NOAEL: 450 mg/kg body weight

Method: OECD Test Guideline 414

GLP: yes

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Test Type: Pre-natal Species: Rat, female Application Route: Oral

Dose: 0 / 100 / 300/ 1000 mg/kg bw/ Duration of Single Treatment: 15 d Frequency of Treatment: 7 days/week

General Toxicity Maternal: NOAEL: 100 mg/kg body weight Developmental Toxicity: NOEL: 100 mg/kg body weight

Method: OECD Test Guideline 414

GLP: yes

Reproductive toxicity -

Assessment

Some evidence of adverse effects on sexual function and fertility, and/or on development, based on animal experiments.

#### STOT - single exposure

No data available

#### STOT - repeated exposure

No data available

#### Repeated dose toxicity

#### **Components:**

#### [3-(2,3-epoxypropoxy)propyl]trimethoxysilane:

Species : Rat, male and female
NOEC : > 1000 mg/m3
Application Route : Inhalation
Test atmosphere : dust/mist
Exposure time : 672 h
Number of exposures : 5 d

Method : OECD Test Guideline 412

Species : Rat, male and female

NOAEL : 1000 mg/kg/d Application Route : Ingestion Exposure time : 2 160 h

Number of exposures : 7 d

Method : Subchronic toxicity

# propylidynetrimethanol:

Species : Rat, male and female

NOEC : 67 mg/kg
Application Route : oral (feed)
Exposure time : 90 d
Number of exposures : 7 days/week

Dose : 20, 67, 200, 667 mg/kg bw/d

Method : Subchronic toxicity

#### **Aspiration toxicity**

No data available

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#### 11.2 Information on other hazards

#### **Endocrine disrupting properties**

**Product:** 

Assessment : The substance/mixture does not contain components

considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

levels of 0.1% or higher

## **Experience with human exposure**

No data available

#### Toxicology, Metabolism, Distribution

No data available

#### **Neurological effects**

No data available

#### **Further information**

No data available

# **SECTION 12: Ecological information**

# 12.1 Toxicity

#### **Components:**

## [3-(2,3-epoxypropoxy)propyl]trimethoxysilane:

Toxicity to fish : LC50 (Cyprinus carpio (Carp)): 55 mg/l

Exposure time: 96 h
Test Type: semi-static test
Test substance: Fresh water

Method: Directive 67/548/EEC, Annex V, C.1.

Toxicity to daphnia and other :

aquatic invertebrates

LC50: 324 mg/l Exposure time: 48 h Test Type: static test

Test substance: Fresh water

Toxicity to algae/aquatic

plants

EC50 : 119 mg/l

Exposure time: 168 h Test Type: static test

Test substance: Fresh water

Toxicity to daphnia and other :

aquatic invertebrates (Chronic toxicity)

NOEC: >= 100 mg/l Exposure time: 21 d

Species: Daphnia magna (Water flea)

Test Type: semi-static test Test substance: Fresh water Method: OECD Test Guideline 211

# **Ecotoxicology Assessment**

Acute aquatic toxicity : This product has no known ecotoxicological effects.

according to Regulation (EC) No. 1907/2006



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Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

propylidynetrimethanol:

Toxicity to fish : LC50 (Fish): > 1 000 mg/l

Exposure time: 96 h Test Type: static test

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 13 000 mg/l

Exposure time: 48 h Test Type: static test

Test substance: Fresh water Method: ASTM Method, other

GLP: no

Toxicity to algae/aquatic

plants

EbC50 (Selenastrum capricornutum (green algae)): > 1 000

mg/l

Exposure time: 72 h

Test substance: Fresh water Method: OECD Test Guideline 201

GLP: no

Toxicity to microorganisms : EC50 : > 1 000 mg/l

Exposure time: 3 h

Test substance: Fresh water

Method: Directive 67/548/EEC, Annex V, C.11

Toxicity to daphnia and other :

aquatic invertebrates (Chronic toxicity)

NOEC: > 1 000 mg/l Exposure time: 21 d

Species: Daphnia magna (Water flea)

Test Type: static test
Test substance: Fresh water

GLP: no

#### 12.2 Persistence and degradability

#### **Components:**

# [3-(2,3-epoxypropoxy)propyl]trimethoxysilane:

Biodegradability : Inoculum: activated sludge

Result: Not readily biodegradable.

Biodegradation: 37 % Exposure time: 28 d

Method: Directive 67/548/EEC Annex V, C.4.A.

Stability in water : Degradation half life (DT50): 6,5 hrs (24,5 °C)

pH: 7

Method: OECD Test Guideline 111

Remarks: Fresh water

Degradation half life (DT50): 0,15 hrs (24,5 °C)

pH: 5

Method: OECD Test Guideline 111

Remarks: Fresh water

according to Regulation (EC) No. 1907/2006



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Degradation half life (DT50): 0,13 hrs (24,5 °C)

pH: 9

Method: OECD Test Guideline 111

Remarks: Fresh water

propylidynetrimethanol:

Biodegradability : Test Type: aerobic

Inoculum: activated sludge Concentration: 100 mg/l

Result: Inherently biodegradable.

Biodegradation: 100 %

Related to: Dissolved organic carbon (DOC)

Exposure time: 28 d

Method: OECD Test Guideline 302B

GLP: yes

Inoculum: activated sludge, non-adapted

Concentration: 19 mg/l

Result: Not readily biodegradable.

Biodegradation: 6 %

Related to: Dissolved organic carbon (DOC)

Exposure time: 28 d

Method: OECD Test Guideline 301E

GLP: yes

#### 12.3 Bioaccumulative potential

#### **Components:**

#### [3-(2,3-epoxypropoxy)propyl]trimethoxysilane:

Partition coefficient: n-

octanol/water

: log Pow: -2,6 (25 °C)

# propylidynetrimethanol:

Bioaccumulation : Species: Cyprinus carpio (Carp)

Exposure time: 42 d

Bioconcentration factor (BCF): < 17 Test substance: Marine water Method: flow-through test

Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-

octanol/water

: log Pow: -0,47 (26 °C)

## 12.4 Mobility in soil

No data available

## 12.5 Results of PBT and vPvB assessment

#### **Product:**

Assessment : This substance/mixture contains no components considered

to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of

0.1% or higher.

according to Regulation (EC) No. 1907/2006



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#### 12.6 Endocrine disrupting properties

#### **Product:**

Assessment : The substance/mixture does not contain components

considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

levels of 0.1% or higher

#### 12.7 Other adverse effects

No data available

## **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Product : Dispose of contents and container in accordance with all local,

regional, national and international regulations.

Do not dispose of waste into sewer.

Do not contaminate ponds, waterways or ditches with

chemical or used container.

Contaminated packaging : Empty remaining contents.

Dispose of as unused product. Do not re-use empty containers.

#### **SECTION 14: Transport information**

## 14.1 UN number or ID number

Not regulated as dangerous goods

#### 14.2 UN proper shipping name

Not regulated as dangerous goods

#### 14.3 Transport hazard class(es)

Not regulated as dangerous goods

#### 14.4 Packing group

Not regulated as dangerous goods

#### 14.5 Environmental hazards

Not regulated as dangerous goods

#### 14.6 Special precautions for user

Remarks : Not classified as dangerous in the meaning of transport

regulations.

#### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

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## **SECTION 15: Regulatory information**

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

REACH - List of substances subject to authorisation : Not applicable

(Annex XIV)

REACH - Candidate List of Substances of Very High

Concern for Authorisation (Article 59).

: This product does not contain substances of very high concern

(Regulation (EC) No

1907/2006 (REACH), Article 57).

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Not applicable

Occupational Illnesses (R-

461-3, France)

: Not applicable

#### The components of this product are reported in the following inventories:

DSL : This product contains one or several components listed in the

Canadian NDSL.

AIIC : On the inventory, or in compliance with the inventory

NZIoC : On the inventory, or in compliance with the inventory

ENCS : Not in compliance with the inventory

KECI : On the inventory, or in compliance with the inventory

PICCS : On the inventory, or in compliance with the inventory

IECSC : On the inventory, or in compliance with the inventory

TCSI : On the inventory, or in compliance with the inventory

TSCA : All substances listed as active on the TSCA inventory

#### Inventories

AICS (Australia), AIIC (Australia), DSL (Canada), IECSC (China), ENCS (Japan), KECI (Korea), NZIOC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (United States of America (USA))

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# 15.2 Chemical safety assessment

Chemical Safety Assessments for all substances in this product are either Complete or Not applicable.

#### **SECTION 16: Other information**

#### **Full text of H-Statements**

H318 : Causes serious eye damage.

H361 : Suspected of damaging fertility or the unborn child. H412 : Harmful to aquatic life with long lasting effects.

#### Full text of other abbreviations

Aquatic Chronic : Chronic aquatic toxicity
Eye Dam. : Serious eye damage
Repr. : Reproductive toxicity

#### **Further information**

Classification of the mixture: Classification procedure:

Eye Irrit. 2 H319 Calculation method

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