

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : Saphira UV-Coating High Gloss
Revision date : 31.08.2018
Print date : 05/28/2019

Version (Revision) : 4.0.0 (3.0.0)

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

1.1 Product identifier

(U8701) Saphira UV-Coating High Gloss

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

Relevant identified uses

Sector of uses [SU]

Industrial uses

Product Categories [PC]

Coatings and paints, fillers, putties, thinners

Uses advised against

Do not use for private purposes (household).

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

Hi-Tech Coatings International BV
De Corantijn 12
1689 AP Zwaag
The Netherlands

Hi-Tech Coatings International Limited
Unit 7 Premus
Coldharbour Way
Brunel Park
Aylesbury
Bucks HP 19 8AP
United Kingdom

E-Mail: info@hitechcoatings.net

1.4 Emergency telephone number

National Poison Centre +31 70 245 245 (24/7)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

Eye Dam. 1 ; H318 - Serious eye damage/eye irritation : Category 1 ; Causes serious eye damage.

Skin Sens. 1 ; H317 - Skin sensitisation : Category 1 ; May cause an allergic skin reaction.

Aquatic Chronic 2 ; H411 - Hazardous to the aquatic environment : Chronic 2 ; Toxic to aquatic life with long lasting effects.

2.2 Label elements

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

Hazard pictograms



Corrosion (GHS05) · Environment (GHS09) · Exclamation mark (GHS07)

Signal word

Danger

Hazard components for labelling

Dipropylene glycol diacrylate ; CAS No. : 57472-68-1

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Bisphenol A epoxy Acrylate ; CAS No. : 55818-57-0
2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5
Ethoxylated trimethylolpropane triacrylate ; CAS No. : 28961-43-5
2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5
TRIPHENYLPHOSPHINE ; CAS No. : 603-35-0

Hazard statements

H318 Causes serious eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P272 Contaminated work clothing should not be allowed out of the workplace.
P310 Immediately call a POISON CENTER/doctor
P321 Specific treatment (see on this label).
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description

Mixture of substances listed below with nonhazardous additions.

Hazardous ingredients

Dipropylene glycol diacrylate ; REACH registration No. : 01-2119484629-21 ; EC No. : 260-754-3; CAS No. : 57472-68-1

Weight fraction : $\geq 25 - < 50$ %
Classification 1272/2008 [CLP] : Eye Dam. 1 ; H318 Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317

Bisphenol A epoxy Acrylate ; REACH registration No. : 01-2119490020-53 ; EC No. : 500-130-2; CAS No. : 55818-57-0

Weight fraction : $\geq 10 - < 25$ %
Classification 1272/2008 [CLP] : Skin Sens. 1 ; H317

2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; REACH registration No. : 01-2119489896-11 ; EC No. : 239-701-3; CAS No. : 15625-89-5

Weight fraction : $\geq 10 - < 25$ %
Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Eye Irrit. 2 ; H319 Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

Soybean oil, epoxidized, acrylate ; REACH registration No. : 01-2119966160-42 ; EC No. : 294-415-6; CAS No. : 91722-14-4

Weight fraction : $\geq 2.5 - < 10$ %
Classification 1272/2008 [CLP] : Eye Irrit. 2 ; H319

Ethoxylated trimethylolpropane triacrylate ; REACH registration No. : 01-2119489900-30 ; EC No. : 500-066-5; CAS No. : 28961-43-5

Weight fraction : $\geq 2.5 - < 10$ %
Classification 1272/2008 [CLP] : Skin Sens. 1 ; H317 Eye Irrit. 2 ; H319

2,2'-(METHYLIMINO)DIETHANOL ; EC No. : 203-312-7; CAS No. : 105-59-9

Weight fraction : $\geq 2.5 - < 10$ %
Classification 1272/2008 [CLP] : Eye Irrit. 2 ; H319

Methyl 2-Benzoylbenzoate ; REACH registration No. : 01-2120103325-72 ; EC No. : 210-112-3; CAS No. : 606-28-0

Weight fraction : $\geq 2.5 - < 10$ %

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Classification 1272/2008 [CLP] : STOT RE 2 ; H373 Aquatic Chronic 2 ; H411
2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; REACH registration No. : 01-2119489896-11 ; EC No. : 239-701-3; CAS No. : 15625-89-5
Weight fraction : $\geq 0.1 - < 1 \%$
Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Skin Sens. 1 ; H317 Eye Irrit. 2 ; H319
TRIPHENYLPHOSPHINE ; EC No. : 210-036-0; CAS No. : 603-35-0
Weight fraction : $\geq 0.1 - < 1 \%$
Classification 1272/2008 [CLP] : Acute Tox. 4 ; H302 Skin Sens. 1 ; H317 Aquatic Chronic 4 ; H413

Additional information

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Following inhalation

No special measures are necessary. In case of respiratory tract irritation, consult a physician.

In case of skin contact

Wash immediately with: Water Subsequently wash off with: Water and soap

After eye contact

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. No known symptoms to date.

Information to physician

Treatment

No known symptoms to date.

4.2 Most important symptoms and effects, both acute and delayed

No known symptoms to date.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Suitable extinguishing media ABC-powder Carbon dioxide (CO₂) Full water jet alcohol resistant foam

5.2 Special hazards arising from the substance or mixture

None

5.3 Advice for firefighters

Special protective equipment for firefighters

Use suitable breathing apparatus. Protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. See protective measures under point 7 and 8.

6.2 Environmental precautions

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Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3 Methods and material for containment and cleaning up

For cleaning up

Use approved industrial vacuum cleaner for removal. Wipe up with absorbent material (eg. cloth, fleece). Suitable material for taking up: Sand Kieselguhr Universal binder Sawdust

Other information

Clear spills immediately.

6.4 Reference to other sections

Safe handling: see section 7 Disposal: see section 13 Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Protective measures

Always close containers tightly after the removal of product. If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

Measures to prevent fire

When using do not eat, drink, smoke, sniff.

Measures to prevent aerosol and dust generation

Vapours/aerosols must be exhausted directly at the point of origin.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container. Keep container tightly closed.

Further information on storage conditions

Protect against : UV-radiation/sunlight

7.3 Specific end use(s)

Recommendation

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

DNEL/DMEL and PNEC values

DNEL/DMEL

Limit value type : DNEL/DMEL (Industrial) (Dipropylene glycol diacrylate ; CAS No. : 57472-68-1)

Exposure route : Dermal

Exposure frequency : Long-term (repeated)

Limit value : 2.77 mg/kg

Safety factor : 8 h

Limit value type : DNEL/DMEL (Industrial) (Dipropylene glycol diacrylate ; CAS No. : 57472-68-1)

Exposure route : Inhalation

Exposure frequency : Long-term (repeated)

Limit value : 24.48 mg/m³

Limit value type : DNEL/DMEL (Professional) (Dipropylene glycol diacrylate ; CAS No. : 57472-68-1)

Exposure route : Dermal

Exposure frequency : Long-term (repeated)

Limit value : 1.66 mg/kg

Safety factor : 8 h

Limit value type : DNEL/DMEL (Professional) (Dipropylene glycol diacrylate ; CAS No. : 57472-68-1)

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Exposure route : Inhalation
Exposure frequency : Long-term (repeated)
Limit value : 7.24 mg/m³
Limit value type : DNEL/DMEL (Professional) (Dipropylene glycol diacrylate ; CAS No. : 57472-68-1)
Exposure route : Oral
Exposure frequency : Long-term (repeated)
Limit value : 2.08 mg/kg
Safety factor : 8 h
Limit value type : DNEL Consumer (local and systemic) (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5)
Exposure route : Inhalation
Exposure frequency : Long-term (repeated)
Limit value : 0.87 mg/m³
Limit value type : DNEL Consumer (local and systemic) (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5)
Exposure route : Oral
Exposure frequency : Long-term (repeated)
Limit value : 0.5 mg/kg
Safety factor : 1 day(s)
Limit value type : DNEL Consumer (local and systemic) (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5)
Exposure route : Dermal
Exposure frequency : Long-term (repeated)
Limit value : 42 mg/kg
Safety factor : 1 day(s)
Limit value type : DNEL worker (systemic) (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5)
Exposure route : Inhalation
Exposure frequency : Long-term (repeated)
Limit value : 3.5 mg/m³
Limit value type : DNEL worker (systemic) (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5)
Exposure route : Dermal
Exposure frequency : Long-term (repeated)
Limit value : 84 mg/kg
Safety factor : 1 day(s)
PNEC
Limit value type : PNEC (Aquatic, freshwater) (Dipropylene glycol diacrylate ; CAS No. : 57472-68-1)
Limit value : 0.0034 mg/l
Limit value type : PNEC (Aquatic, intermittent release) (Dipropylene glycol diacrylate ; CAS No. : 57472-68-1)
Limit value : 0.034 mg/l
Limit value type : PNEC (Aquatic, marine water) (Dipropylene glycol diacrylate ; CAS No. : 57472-68-1)
Limit value : 0.00034 mg/l
Limit value type : PNEC (Sediment, freshwater) (Dipropylene glycol diacrylate ; CAS No. : 57472-68-1)
Limit value : 0.00884 mg/kg
Limit value type : PNEC (Sewage treatment plant) (Dipropylene glycol diacrylate ; CAS No. : 57472-68-1)
Limit value : 100 mg/l
Limit value type : PNEC (Aquatic, freshwater) (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5)
Limit value : 0.00147 mg/l
Limit value type : PNEC (Aquatic, intermittent release) (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5)
Limit value : 0.0147 mg/l
Limit value type : PNEC (Aquatic, marine water) (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS

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Limit value : No. : 15625-89-5)
0.00014 mg/l
Limit value type : PNEC (Sediment, freshwater) (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5)
Limit value : 0.029 mg/kg
Limit value type : PNEC (Sediment, marine water) (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5)
Limit value : 0.0029 mg/kg
Limit value type : PNEC (Soil) (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5)
Limit value : 0.0049 mg/kg
Limit value type : PNEC (Sewage treatment plant) (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5)
Limit value : 6.25 mg/l

8.2 Exposure controls

Personal protection equipment



Eye/face protection

Suitable eye protection

Eye glasses with side protection

Skin protection

Hand protection

Suitable gloves type : EN ISO 374

Suitable material : NBR (Nitrile rubber)

Breakthrough time (maximum wearing time) : 240 min.

Thickness of the glove material 0,4mm : Thickness of the glove material 0,4mm

Respiratory protection

Suitable respiratory protection apparatus

Filtering device (full mask or mouthpiece) with filter: Filter type: AX (for group 2 low boilers). In case of a maximum contaminant concentration in inhaled air of 1000 mL/m³ (0.1 % by vol.), group 2 may be used for a maximum of 60 min. In case of a maximum contaminant concentration in inhaled air of 5000 mL/m³ (0.5 % by vol.), group 2 may be used for a maximum of 20 min.

General health and safety measures

When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes. Wash hands before breaks and after work. Immediately remove any contaminated clothing, shoes or stockings. Wash contaminated clothing prior to re-use.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : Liquid

Colour : light yellow

Odour : characteristic

Safety relevant basis data

Melting point/melting range :

not determined

Freezing point :

<

0 °C

Initial boiling point and boiling (1013 hPa)

>

100 °C

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range :					
Decomposition temperature :				not determined	
Flash point :				not applicable	
Ignition temperature :				not determined	
Lower explosion limit :				not determined	
Upper explosion limit :				not determined	
Density :	(20 °C)			1 - 1.1	g/cm ³
Water solubility :	(20 °C)	<		1	Wt %
pH :	(20 °C / 20 g/l)			not applicable	
Flow time :	(20 °C)			30 - 90	s DIN-cup 4 mm
Solid content :		approx.		99.8	Wt %
Odour threshold :				not determined	
Evaporation rate :				not determined	
Maximum VOC content (EC) :		<=		0.2	Wt %

9.2 Other information

None

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

In case of light influence: Danger of polymerisation.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute effects

Acute oral toxicity

Parameter :	ATE (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5)
Exposure route :	Oral
Species :	Rat
Effective dose :	3680 mg/kg
Parameter :	LD50 (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5)
Exposure route :	Oral
Species :	Rat
Effective dose :	3680 mg/kg
Parameter :	LD50 (2,2'-(METHYLIMINO)DIETHANOL ; CAS No. : 105-59-9)
Exposure route :	Oral
Species :	Rat
Effective dose :	4780 mg/kg
Parameter :	LD50 (Methyl 2-Benzoylbenzoate ; CAS No. : 606-28-0)

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Exposure route : Oral
Species : Rat
Effective dose : > 2000 mg/kg

Acute dermal toxicity

Parameter : ATE (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5)
Exposure route : Dermal
Species : Rabbit
Effective dose : 5170 mg/kg
Parameter : LD50 (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5)
Exposure route : Dermal
Species : Rabbit
Effective dose : 5170 mg/kg
Parameter : LD50 (Methyl 2-Benzoylbenzoate ; CAS No. : 606-28-0)
Exposure route : Dermal
Species : Rat
Effective dose : > 2000 mg/kg

Acute inhalation toxicity

Parameter : LC50 (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5)
Exposure route : Inhalation (vapour)
Species : Rat
Effective dose : > 0.55 mg/l

Irritant and corrosive effects

Primary irritation to the skin

Parameter : Primary irritation to the skin (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5)
Species : Rabbit
Effective dose : 0.0005 l
Exposure time : 24 h
Result : Slightly irritant
Method : OECD 404

Irritation to eyes

Parameter : Irritation to eyes (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5)
Species : Rabbit
Effective dose : 0.0001 l
Exposure time : 1 s
Result : Slightly irritant
Method : OECD 405

Assessment/classification Risk of serious damage to eyes. Irritation to eyes

Sensitisation

In case of skin contact

Parameter : Skin sensitisation (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5)
Species : Guinea pig
Result : Sensitising.
Method : OECD 406

In case of skin contact Irritating to skin. May cause an allergic skin reaction.

In case of inhalation

In case of inhalation not sensitising.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

Parameter : Carcinogenicity (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5)

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Exposure route : Dermal
Species : Mouse
Effective dose : 50 mg
Parameter : NOAEL(C) (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5)
Exposure route : Oral
Species : Rat
Effective dose : 300 mg/kg
Exposure time : 24 h
Test result : Negative.
Method : OECD 451
Parameter : NOEL(C) (Methyl 2-Benzoylbenzoate ; CAS No. : 606-28-0)
Exposure route : Oral
Species : Rat
Effective dose : 31.25 mg/kg
Exposure time : 24 h

Germ cell mutagenicity

Genotoxicity

Parameter : Genotoxicity (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5)
Exposure route : In vitro mutagenicity
Species : Escherichia coli
Test result : Negative.
Method : OECD 476
Parameter : Genotoxicity (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5)
Exposure route : In vivo mutagenicity
Species : Mammalian cells (without metabolic activation)
Test result : Negative.
Method : OECD 475

STOT-single exposure

STOT SE 1 and 2

Parameter : NOEL(C) (Methyl 2-Benzoylbenzoate ; CAS No. : 606-28-0)
Exposure route : STOT RE 1 and 2
Species : Rat
Effective dose : 31.25 mg/kg
Exposure time : 24 h

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50 (Methyl 2-Benzoylbenzoate ; CAS No. : 606-28-0)
Species : Brachydanio rerio (zebra-fish)
Effective dose : 9.16 mg/l
Exposure time : 96 h
Parameter : EC50 (Methyl 2-Benzoylbenzoate ; CAS No. : 606-28-0)
Species : Daphnia magna (Big water flea)
Effective dose : 26.8 mg/l
Exposure time : 48 h

Chronic (long-term) fish toxicity

Parameter : NOEC (Methyl 2-Benzoylbenzoate ; CAS No. : 606-28-0)

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Species : Scenedesmus subspicatus
Effective dose : 8.49 mg/l
Exposure time : 72 h

Acute (short-term) daphnia toxicity

Parameter : EC50 (Methyl 2-Benzoylbenzoate ; CAS No. : 606-28-0)
Species : Daphnia magna (Big water flea)
Effective dose : 44.4 mg/l
Exposure time : 24 h

Chronic (long-term) daphnia toxicity

Parameter : NOEC (Methyl 2-Benzoylbenzoate ; CAS No. : 606-28-0)
Species : Brachydanio rerio (zebra-fish)
Effective dose : 4.64 mg/l
Exposure time : 96 h

Parameter : NOEC (Methyl 2-Benzoylbenzoate ; CAS No. : 606-28-0)
Species : Daphnia magna (Big water flea)
Effective dose : 15.5 mg/l
Exposure time : 24 h

Parameter : NOEC (Methyl 2-Benzoylbenzoate ; CAS No. : 606-28-0)
Species : Daphnia magna (Big water flea)
Effective dose : 6.93 mg/l
Exposure time : 48 h

Acute (short-term) algae toxicity

Parameter : EC50 (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5)
Species : Desmodesmus subspicatus
Evaluation parameter : Acute (short-term) fish toxicity
Effective dose : 4.89 mg/l
Exposure time : 96 h

Effects in sewage plants

Parameter : EC20 (2,2-BIS(ACRYLOYLOXYMETHYL)BUTYL ACRYLATE ; CAS No. : 15625-89-5)
Inoculum : Activated sludge
Evaluation parameter : - Effects on Microorganism
Effective dose : 625 mg/l
Exposure time : 30 min
Parameter : EC50 (Methyl 2-Benzoylbenzoate ; CAS No. : 606-28-0)
Inoculum : Activated sludge
Effective dose : > 1000 mg/l
Exposure time : 3 h

12.2 Persistence and degradability

Biodegradation

Parameter : Biodegradation (Methyl 2-Benzoylbenzoate ; CAS No. : 606-28-0)
Inoculum : Half-life time
Degradation rate : 2.8

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

No information available.

12.7 Additional ecotoxicological information

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None

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Delivery to an approved waste disposal company.

Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste codes/waste designations according to EWC/AVV List of proposed waste codes/waste designations in accordance with EWC 08 01 11* : Waste paint and varnish containing organic solvents or other dangerous substances

Waste treatment options

Appropriate disposal / Product

Dispose of waste according to applicable legislation.

13.2 Additional information

Additional information Dispose of waste according to applicable legislation.

SECTION 14: Transport information

14.1 UN number

UN 3082

14.2 UN proper shipping name

Land transport (ADR/RID)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TRIMETHYLOLPROPANE TRIACRYLATE · Methyl 2-Benzoylbenzoate)

Sea transport (IMDG)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TRIMETHYLOLPROPANE TRIACRYLATE · Methyl 2-Benzoylbenzoate)

Air transport (ICAO-TI / IATA-DGR)

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TRIMETHYLOLPROPANE TRIACRYLATE · Methyl 2-Benzoylbenzoate)

14.3 Transport hazard class(es)

Land transport (ADR/RID)

Class(es) : 9
Classification code : M6
Hazard identification number (Kemler No.) : 90
Tunnel restriction code : -
Special provisions : LQ 5 I · E 1 · ADR : - (SP 375 <= 5 l/kg)
Hazard label(s) : 9 / N

Sea transport (IMDG)

Class(es) : 9
EmS-No. : F-A / S-F
Special provisions : LQ 5 I · E 1 · IMDG : - (SP 2.10.2.7 <= 5 l/kg)
Hazard label(s) : 9 / N

Air transport (ICAO-TI / IATA-DGR)

Class(es) : 9
Special provisions : E 1 · IATA : - (SP A197 <= 5 l/kg)
Hazard label(s) : 9 / N

14.4 Packing group

III

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14.5 Environmental hazards

Land transport (ADR/RID) : Yes
Sea transport (IMDG) : Yes (P)
Air transport (ICAO-TI / IATA-DGR) : Yes

14.6 Special precautions for user

None

SECTION 15: Regulatory information

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

None

15.2 Chemical safety assessment

No information available.

15.3 Additional information

TSCA STATUS: YES DSL/NDSL STATUS: YES AICS STATUS: YES KECL STATUS: YES ENCS/METI STATUS: NO
EINECS/NLP STATUS: YES PICCS STATUS: No IECSC STATUS: NO NZIOCS STATUS: NO

SECTION 16: Other information

16.1 Indication of changes

02. Classification of the substance or mixture · 02. Label elements · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] - Hazard components for labelling · 03. Hazardous ingredients · 14. UN proper shipping name - Land transport (ADR/RID) · 14. UN proper shipping name - Sea transport (IMDG) · 14. UN proper shipping name - Air transport (ICAO-TI / IATA-DGR) · 14. Transport hazard class(es) - Land transport (ADR/RID) · 14. Transport hazard class(es) - Sea transport (IMDG) · 14. Transport hazard class(es) - Air transport (ICAO-TI / IATA-DGR) · 15. Restrictions on use · 15. Additional information

16.2 Abbreviations and acronyms

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road
ASTM = American Society of Testing and Materials (US)
CAS No = Chemical Abstracts Service Number (see ACS - American Chemical Society)
DNEL = Derived No-Effect Level
DT50 = Time for 50% loss; half-life
EbC50 = Median effective concentration (biomass, e.g. of algae)
EC50 = Median effective concentration
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified (New) Chemicals (see Tab 7, Background - Guide)
ErC50 = Median effective concentration (growth rate, e.g. of algae)
EWC = European Waste Catalogue
IATA = International Air Transport Association
IC50 = Concentration that produces 50% inhibition
IMDG = International Maritime Dangerous Goods Code
IMO = International Maritime Organization
LC50 = Concentration required to kill 50% of test organisms
LD50 = Dose required to kill 50% of test organisms
LEL = Lower Explosive Limit/Lower Explosion Limit
LOAEL = Lowest observed adverse effect level
MRL = Maximum Residue Limit
NOAEL = No Observed Adverse Effect Level
NOEC = No observed effect concentration
NOEL = No Observable Effect Level
OEL = Occupational Exposure Limits
PBT = Persistent, Bioaccumulative or Toxic

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PNEC = Previsible Non Effect Concentration
STEL = Short-Term Exposure Limit
TWA = Time-Weighted Average
vPvB = Very Persistent and Very Bioaccumulative

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

No information available.

16.5 Relevant H- and EUH-phrases (Number and full text)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

16.6 Training advice

None

16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
