

HIT-ICE

Safety information for 2-Component-products

Issue date: 25/07/2023 Revision date: 25/07/2023 Supersedes: 11/11/2022 Version: 8.0

SECTION 1: Kit identification

1.1 Product identifier

Product name HIT-ICE
Product code BU Anchor



1.2 Details of the supplier of the Safety information for 2-Component-products

Storage temperature : 5 - 25 °C

A SDS for each of these components is included. Please do not separate any component SDS from this cover page

This Kit should be handled in accordance with good laboratory practices and appropriate personal protective equipment should be used

SECTION 3: Kit contents

Classification of the Product

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

Org. Perox. E H242
Eye Irrit. 2 H319
Skin Sens. 1 H317
Aquatic Acute 1 H400
Aquatic Chronic 1 H410

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

Label elements

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

Hazard pictograms (CLP)







V----

Signal word (CLP) Warning

Hazardous ingredients methacrylates, dibenzoyl peroxide
Hazard statements (CLP) H242 - Heating may cause a fire.

H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation.

 $\mbox{H}410$ - $\mbox{\sc Very}$ toxic to a quatic life with long lasting effects.

Precautionary statements (CLP) P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking.

P280 - Wear eye protection, protective clothing, protective gloves.

P262 - Do not get in eyes, on skin, or on clothing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P337+P313 - If eye irritation persists: Get medical advice/attention.

26/07/2023 IE - en 1/32



HIT-ICF

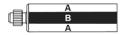
Kit Safety Information Sheet (SIS)

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

Extra phrases

Additional information

Plastic-cartridge, contains: Methacrylate resin, inorganic filler Dibenzoyl peroxide, phlegmatized



Name	General description	Quantity	Unit	Classification according to Regulation (EC) No. 1272/2008 [CLP]
HIT-ICE, A		1	pcs (pieces)	Skin Sens. 1, H317 Aquatic Chronic 3, H412
HIT-ICE, B		1	pcs (pieces)	Org. Perox. E, H242 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

SECTION 4: General information

General advice For professional users only

SECTION 5: Safe handling advice

Spilled material may present a slipping hazard General measures Environmental precautions Prevent entry to sewers and public waters

Notify authorities if liquid enters sewers or public waters

Storage conditions Keep cool. Protect from sunlight. Precautions for safe handling Wear personal protective equipment

Avoid contact with skin and eyes

Wash hands and other exposed areas with mild soap and water before eating, drinking or

smoking and when leaving work

Provide good ventilation in process area to prevent formation of vapour

This material and its container must be disposed of in a safe way, and as per local legislation Methods for cleaning up

Mechanically recover the product Store away from other materials.

For containment Collect spillage. Incompatible materials Sources of ignition Direct sunlight Strong bases Incompatible products Strong acids

SECTION 6: First aid measures

First-aid measures after eye contact Rinse immediately with plenty of water

Remove contact lenses, if present and easy to do. Continue rinsing.

Obtain medical attention if pain, blinking or redness persists

First-aid measures after ingestion Rinse mouth

> Get medical advice/attention. Do not induce vomiting

Obtain emergency medical attention

First-aid measures after inhalation Remove person to fresh air and keep comfortable for breathing.

Allow affected person to breathe fresh air

Allow the victim to rest

First-aid measures after skin contact Wash contaminated clothing before reuse.

26/07/2023 IE - en 2/32



HIT-ICE

Kit Safety Information Sheet (SIS)

Wash with plenty of water/...

If skin irritation or rash occurs. Get medical advice/attention.

First-aid measures general Take off immediately all contaminated clothing.

Never give anything by mouth to an unconscious person

If you feel unwell, seek medical advice (show the label where possible)

Symptoms/effects after eye contact Causes serious eye irritation.

Symptoms/effects after skin contact May cause an allergic skin reaction.

SECTION 7: Fire fighting measures

Exercise caution when fighting any chemical fire

Prevent fire fighting water from entering the environment

Protection during firefighting Self-contained breathing apparatus

Do not enter fire area without proper protective equipment, including respiratory protection

Hazardous decomposition products in case of

fire

Thermal decomposition generates : Carbon dioxide Carbon monoxide

SECTION 8: Other information

No data available

26/07/2023 IE - en 3/32



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Issue date: 25/07/2023 Revision date: 25/07/2023 Supersedes version of: 11/11/2022 Version: 8.0

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

1.1. Product identifier

Product form Mixture Product name HIT-ICE, B

WJ5R-003C-FX00-5UAV

Product code **BU** Anchor

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

1.2.1. Relevant identified uses

Main use category Professional use

Use of the substance/mixture Composite mortar component for fasteners in the construction industry

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Department issuing data specification sheet Supplier

Hilti (Fastening Systems) Limited Hilti Entwicklungsgesellschaft mbH Hiltistraße 6

Unit C4 North City Business Park, Finglas

IE- 11 Dublin DE- 86916 Kaufering Deutschland

T +353 188 64101 T +49 8191 906876 1850-287 387 Call Save - F +353 183 03569 anchor.hse@hilti.com

iesales@hilti.com

1.4. Emergency telephone number

Emergency number Schweizerisches Toxikologisches Informationszentrum – 24h Service

+41 44 251 51 51 (international)

+353 188 64101 1850-287 387 Call Save

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre	PO Box 1297	+353 1 809 2566	
	Beaumont Hospital	Beaumont Road 9 Dublin	(Healthcare professionals- 24/7)	
			+353 1 809 2166 (public,	
			8am - 10pm, 7/7)	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Organic Peroxides, Type E H242 Serious eye damage/eye irritation, Category 2 H319 Skin sensitisation, Category 1 H317 Hazardous to the aquatic environment - Acute Hazard, Category 1 H400 Hazardous to the aquatic environment - Chronic Hazard, Category 1 H410

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

Adverse physicochemical, human health and environmental effects

No additional information available



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

2.2. Label elements

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

Hazard pictograms (CLP)





GHS07



Signal word (CLP)

Contains

Hazard statements (CLP)

Precautionary statements (CLP)

Warning

dibenzoyl peroxide

H242 - Heating may cause a fire.

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H410 - Very toxic to aquatic life with long lasting effects.

P210 - Keep away from heat, hot surfaces, open flames, sparks. - No smoking.

P280 - Wear eye protection, protective clothing, protective gloves.

P262 - Do not get in eyes, on skin, or on clothing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

a of REACH regulation, annex XIII a of REACH regulation, annex XIII

The mixture 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 at a concentration equal to or greater than 0,1 %

Component	
	The substance is not 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



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
dibenzoyl peroxide	CAS-No.: 94-36-0 EC-No.: 202-327-6 EC Index-No.: 617-008-00-0 REACH-no: 01-2119511472- 50	25 – 40	Org. Perox. B, H241 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)

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

SECTION 4: First aid measures

4 4	D	- 6 6 4 - ! -!	
4.1	. Description	of first aid	measures

First-aid measures general Take off immediately all contaminated clothing. Never give anything by mouth to an

unconscious person. If you feel unwell, seek medical advice (show the label where

possible).

First-aid measures after inhalation Remove person to fresh air and keep comfortable for breathing. Allow affected person to

breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact

Wash contaminated clothing before reuse. Wash with plenty of water/.... If skin irritation or

rash occurs: Get medical advice/attention.

First-aid measures after eye contact Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do.

Continue rinsing. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion Rinse mouth. Get medical advice/attention. Do not induce vomiting. Obtain emergency

medical attention.

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

Symptoms/effects after skin contact May cause an allergic skin reaction. Symptoms/effects after eye contact May cause severe irritation.

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. Carbon dioxide. Dry powder. Foam. Sand.

Unsuitable extinguishing media Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire Thermal decomposition generates : Carbon dioxide. Carbon monoxide.

5.3. Advice for firefighters

Firefighting instructions

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting Self-contained breathing apparatus. Do not enter fire area without proper protective

equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures Spilled material may present a slipping hazard.

25/07/2023 (Version: 8.0) EN (English) 6/32



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

6.1.1. For non-emergency personnel

Emergency procedures Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment Use personal protective equipment as required. Equip cleanup crew with proper protection.

Emergency procedures Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment Collect spillage.

Methods for cleaning up

This material and its container must be disposed of in a safe way, and as per local

legislation. Mechanically recover the product. Store away from other materials.

Other information Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling Wear personal protective equipment. Avoid contact with skin and eyes. Wash hands and

other exposed areas with mild soap and water before eating, drinking or smoking and when

leaving work. Provide good ventilation in process area to prevent formation of vapour.

Hygiene measures

Do not eat, drink or smoke when using this product. Always wash hands after handling the

product. Contaminated work clothing should not be allowed out of the workplace. Wash

contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

Keep cool. Protect from sunlight.

Incompatible products

Strong bases. Strong acids.

Incompatible materials

Sources of ignition. Direct sunlight.

Storage temperature 5-25 °C

Heat and ignition sources Keep away from heat and direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional information The product has a pasty consistency. Exposure limit values for respirable dusts are not

relevant for this product.

8.1.1. National occupational exposure and biological limit values

HIT-ICE, B		
Ireland - Occupational Exposure Limits		
Local name	Dibenzoyl peroxide [Benzoyl peroxide]	
OEL TWA [1]	5 mg/m³	



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

HIT-ICE, B	
Remark	Sens. (In the workplace respiratory or dermal exposures to sensitising agents may occur. Sensitizers may evoke respiratory or dermal reactions, e.g. asthma, rhinitis and allergic contact dermatitis. The notation does not distinguish between respiratory or dermal sensitisation. Chemical agents that are sensitizers present special problems in the workplace. Should an employee become sensitised, subsequent exposure may cause intense responses, even at low exposure concentrations well below the OELV. Exposure should be eliminated or significantly reduced through control measures such as engineering and process controls and use of personal protective equipment (PPE))
Regulatory reference	Chemical Agents Code of Practice 2021

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure adequate ventilation.

8.2.2. Personal protection equipment

Personal protective equipment:

Safety glasses. Gloves. Protective clothing. Avoid all unnecessary exposure.

Personal protective equipment symbol(s):







8.2.2.1. Eye and face protection

Eye protection:

Wear security glasses which protect from splashes

Eye protection			
Туре	Field of application	Characteristics	Standard
Safety glasses	Droplet	clear	EN 166, EN 170

8.2.2.2. Skin protection

Hand protection:

Wear protective gloves. The permeation time is not the maximum wearing time! Generally speaking, it must be reduced. Contact with either mixtures of substances or different substances may shorten the protective function's effective duration.



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0,12		EN ISO 374

8.2.2.3. Respiratory protection

No additional information available

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Consumer exposure controls:

Avoid contact during pregnancy/while nursing.

Other information:

Particle size distribution

Do not eat, drink or smoke during use. No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Solid Colour white.

AppearanceThixotropic paste.Odourcharacteristic.Odour thresholdNot determinedMelting pointNot availableFreezing point≥ -25 °CBoiling pointNot availableFlammabilityFlammable

Explosive properties Heating may cause a fire.

Oxidising properties May cause fire or explosion; strong oxidiser.

Explosive limits Not applicable Lower explosion limit Not applicable Upper explosion limit Not applicable Flash point Not applicable Auto-ignition temperature Not self-igniting Not available Decomposition temperature SADT > 50 °C Not available рΗ pH solution Not available Viscosity, kinematic Not applicable

Viscosity, dynamic 55 – 95 mPa·s (HN 570-1) Solubility Water: Not miscible

Partition coefficient n-octanol/water (Log Kow)
Vapour pressure
Vapour pressure at 50°C
Not available
Not available
Not available
1.35 g/ml DIN 51757
Relative density
Relative vapour density at 20°C
Not available
Not available
Not available
Not available

25/07/2023 (Version: 8.0) EN (English) 9/32

Not available



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Particle shape Not available
Particle aspect ratio Not available
Particle aggregation state Not available
Particle agglomeration state Not available
Particle specific surface area Not available
Particle dustiness Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

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

SECTION 11: Toxicological information

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

Acute toxicity (oral)

Acute toxicity (dermal)

Acute toxicity (inhalation)

Not classified

Not classified

Not classified

Not classified

Not classified

Additional information Based on available data, the classification criteria are not met

Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitisation May cause an allergic skin reaction.

Germ cell mutagenicity Not classified

Additional information Based on available data, the classification criteria are not met

Carcinogenicity Not classified

Additional information Based on available data, the classification criteria are not met

dibenzoy	peroxide	(94-36-0)
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IARC group 3 - Not classifiable

Reproductive toxicity Not classified STOT-single exposure Not classified

Additional information Based on available data, the classification criteria are not met



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

STOT-repeated exposure

Not classified Additional information Based on available data, the classification criteria are not met

Aspiration hazard Not classified

Additional information Based on available data, the classification criteria are not met

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

11.2.2. Other information

Potential adverse human health effects and

symptoms

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term

(acute)

Very toxic to aquatic life.

Hazardous to the aquatic environment, long-term

(chronic)

Very toxic to aquatic life with long lasting effects.

dibenzoyl peroxide (94-36-0)		
LC50 - Fish [2]	0.0602 mg/l (96h; Oncorhynchus mykiss; ECHA)	
EC50 - Crustacea [1]	0.11 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)	
ErC50 algae	0.0711 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)	
NOEC (acute)	0.0316 mg/l (96h; Oncorhynchus mykiss; ECHA)	
NOEC chronic fish	0.001 mg/l	

12.2. Persistence and degradability

HIT-ICE, B	
Persistence and degradability Not established.	
dibenzoyl peroxide (94-36-0)	
Persistence and degradability	Readily biodegradable in water. Not established. May cause long-term adverse effects in the environment.

12.3. Bioaccumulative potential

HIT-ICE, B		
Bioaccumulative potential Not established.		
dibenzoyl peroxide (94-36-0)		
Partition coefficient n-octanol/water (Log Pow) 3.71		
Bioaccumulative potential	Low bioaccumulation potential (Log Kow < 4).	

12.4. Mobility in soil

dibenzoyl peroxide (94-36-0)	
Surface tension	No data available (test not performed)



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

dibenzoyl peroxide (94-36-0)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.8 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)
Ecology - soil	Low potential for mobility in soil.

12.5. Results of PBT and vPvB assessment

HIT-ICE, B

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)

Disposal must be done according to official regulations.

Product/Packaging disposal recommendations

After curing, the product can be disposed of with household waste. Full or only partially emptied cartridges must be disposed of as special waste in accordance with official regulations. Packaging contaminated by the product: Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials Avoid release to the environment.

European List of Waste (LoW) code

08 04 09* - waste adhesives and sealants containing organic solvents or other dangerous

substances

HP Code

20 01 27* - paint, inks, adhesives and resins containing dangerous substances

HP1 - "Explosive:" waste which is capable by chemical reaction of producing gas at such a temperature and pressure and at such a speed as to cause damage to the surroundings. Pyrotechnic waste, explosive organic peroxide waste and explosive self-reactive waste is

included.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID

ADR	IMDG	IATA	RID	
14.1. UN number or ID num	ber			
UN 3108	UN 3108	UN 3108	UN 3108	
14.2. UN proper shipping n	ame			
ORGANIC PEROXIDE TYPE E, SOLID (dibenzoyl peroxide)				



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

ADR	IMDG	IATA	RID
Transport document descr	iption		1
UN 3108 ORGANIC PEROXIDE TYPE E, SOLID (dibenzoyl peroxide), 5.2, (D), ENVIRONMENTALLY	UN 3108 ORGANIC PEROXIDE TYPE E, SOLID (dibenzoyl peroxide), 5.2, MARINE POLLUTANT/ENVIRONME	UN 3108 Organic peroxide type E, solid (dibenzoyl peroxide), 5.2, ENVIRONMENTALLY HAZARDOUS	UN 3108 ORGANIC PEROXIDE TYPE E, SOLID (dibenzoyl peroxide), 5.2, ENVIRONMENTALLY
HAZARDOUS	NTALLY HAZARDOUS		HAZARDOUS
14.3. Transport hazard class	ss(es)		
5.2	5.2	5.2	5.2
52	5.2	5.2	5.2
14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazard	ds		
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information	n available		1

14.6. Special precautions for user

Overland transport

Classification code (ADR)	P1
Special provisions (ADR)	122, 274
Limited quantities (ADR)	500g
Packing instructions (ADR)	P520
Mixed packing provisions (ADR)	MP4
Transport category (ADR)	2
Tunnel restriction code (ADR)	D

Transport by sea

Special provisions (IMDG)	122, 274
Limited quantities (IMDG)	500 g
Packing instructions (IMDG)	P520
EmS-No. (Fire)	F-J
EmS-No. (Spillage)	S-R
Stowage category (IMDG)	D
MFAG-No	145

Air transport

PCA packing instructions (IATA)	570
PCA max net quantity (IATA)	10kg
CAO packing instructions (IATA)	570
Special provisions (IATA)	A20

Rail transport

Special provisions (RID) 122, 274



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Limited quantities (RID) 500g
Packing instructions (RID) P520

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes			
Section	Changed item	Change	Comments
1.1	UFI	Modified	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.2	Hazard pictograms (CLP)	Removed	
2.2	Hazard statements (CLP)	Removed	



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Indication of changes			
Section	Changed item	Change	Comments
3.2	Composition/information on ingredients	Modified	

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC50	Median effective concentration	
IARC	International Agency for Research on Cancer	
IATA	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
vPvB	Very Persistent and Very Bioaccumulative	

Other information None.

Full text of H- and EUH-statements:	
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H241	Heating may cause a fire or explosion.



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Full text of H- and EUH-s	Full text of H- and EUH-statements:	
H242	Heating may cause a fire.	
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
Org. Perox. B	Organic Peroxides, Type B	
Org. Perox. E	Organic Peroxides, Type E	
Skin Sens. 1	Skin sensitisation, Category 1	

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Org. Perox. E	H242	Expert judgement
Eye Irrit. 2	H319	Calculation method
Skin Sens. 1	H317	Calculation method
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 1	H410	Calculation method

SDS_EU_Hilti

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Issue date: 25/07/2023 Revision date: 25/07/2023 Supersedes version of: 11/11/2022 Version: 6.8

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

1.1. Product identifier

Product form Mixture Product name HIT-ICE, A

6VVQ-V0D8-HX01-ACGC

Product code **BU** Anchor

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

1.2.1. Relevant identified uses

Main use category Professional use

Use of the substance/mixture Composite mortar component for fasteners in the construction industry

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Hilti (Fastening Systems) Limited

Unit C4 North City Business Park, Finglas

IE- 11 Dublin

T +353 188 64101

1850-287 387 Call Save - F +353 183 03569

iesales@hilti.com

Department issuing data specification sheet

Hilti Entwicklungsgesellschaft mbH

Hiltistraße 6

DE- 86916 Kaufering

Deutschland

T +49 8191 906876

anchor.hse@hilti.com

1.4. Emergency telephone number

Emergency number Schweizerisches Toxikologisches Informationszentrum – 24h Service

+41 44 251 51 51 (international)

+353 188 64101

1850-287 387 Call Save

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	

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 H412

Hazardous to the aquatic environment – Chronic Hazard, Category 3

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

Adverse physicochemical, human health and environmental effects

No additional information available



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

2.2. Label elements

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

Hazard pictograms (CLP)

GHS07

Signal word (CLP)

Contains

Hazard statements (CLP)

Precautionary statements (CLP)

Warning

2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol, Methyl methyacrylate

H317 - May cause an allergic skin reaction.

H412 - Harmful to aquatic life with long lasting effects.

P280 - Wear eye protection, protective clothing, protective gloves.

P262 - Do not get in eyes, on skin, or on clothing.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove

contact lenses, if present and easy to do. Continue rinsing. P302+P352 - IF ON SKIN: Wash with plenty of water.

P337+P313 - If eye irritation persists: Get medical advice/attention.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

Component		
Ethoxylated Bisphenol A Dimethacrylate (41637-38-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
1,6-hexanediyl bismethacrylate (6606-59-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
1,1,1-Trimethylolpropane trimethacrylate (3290-92-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
Methyl methyacrylate (80-62-6)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

The mixture 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 at a concentration equal to or greater than 0,1 %

Component		
Ethoxylated Bisphenol A Dimethacrylate(41637-38-1)	The substance is not 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	



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Component		
1,6-hexanediyl bismethacrylate(6606-59-3)	The substance is not 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	
2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol(27813-02-1)	The substance is not 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	
1,1,1-Trimethylolpropane trimethacrylate(3290-92-4)	The substance is not 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	
1,1'-(p-tolylimino)dipropan-2-ol(38668-48-3)	The substance is not 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	
Methyl methyacrylate(80-62-6)	The substance is not 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]
Ethoxylated Bisphenol A Dimethacrylate	CAS-No.: 41637-38-1 REACH-no: 01-2119980659- 17	10 – 25	Not classified
1,6-hexanediyl bismethacrylate	CAS-No.: 6606-59-3 EC-No.: 229-551-7	5 – 10	Aquatic Chronic 3, H412
2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol	CAS-No.: 27813-02-1 EC-No.: 248-666-3 EC Index-No.: 607-125-00-5 REACH-no: 01-2119490226- 37	5 – 10	Eye Irrit. 2, H319 Skin Sens. 1, H317
1,1,1-Trimethylolpropane trimethacrylate	CAS-No.: 3290-92-4 EC-No.: 221-950-4 REACH-no: 01-2119542176- 41	3 – 5	Aquatic Chronic 2, H411
1,1'-(p-tolylimino)dipropan-2-ol	CAS-No.: 38668-48-3 EC-No.: 254-075-1 REACH-no: 01-2119980937- 17	0.1 – 1	Acute Tox. 2 (Oral), H300 (ATE=25 mg/kg bodyweight) Eye Irrit. 2, H319 Aquatic Chronic 3, H412



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Methyl methyacrylate substance with national workplace exposure limit(s) (IE); substance with a Community workplace exposure limit	CAS-No.: 80-62-6 EC-No.: 201-297-1 EC Index-No.: 607-035-00-6	0 – 0.5	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335

Specific concentration limits:		
Name	Product identifier	Specific concentration limits
1,6-hexanediyl bismethacrylate	CAS-No.: 6606-59-3 EC-No.: 229-551-7	(10 ≤C < 100) STOT SE 3, H335

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

SECTION 4: First aid measures

11	Description	of first aid	moscuroc
4.1.	Description	of first aid	measures

First-aid measures general Take off immediately all contaminated clothing. Never give anything by mouth to an

unconscious person. If you feel unwell, seek medical advice (show the label where

possible).

First-aid measures after inhalation Remove person to fresh air and keep comfortable for breathing. Allow affected person to

breathe fresh air. Allow the victim to rest.

First-aid measures after skin contact

Wash contaminated clothing before reuse. Wash with plenty of water/.... If skin irritation or

rash occurs: Get medical advice/attention.

First-aid measures after eye contact Rinse immediately with plenty of water. Remove contact lenses, if present and easy to do.

Continue rinsing. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion Rinse mouth. Get medical advice/attention. Do not induce vomiting. Obtain emergency

medical attention.

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

Symptoms/effects after skin contact May cause an allergic skin reaction. Symptoms/effects after eye contact May cause severe irritation.

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. Carbon dioxide. Dry powder. Foam. Sand.

Unsuitable extinguishing media Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire Thermal decomposition generates : Carbon dioxide. Carbon monoxide.

5.3. Advice for firefighters

Firefighting instructions

Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting Self-contained breathing apparatus. Do not enter fire area without proper protective

equipment, including respiratory protection.



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures Spilled material may present a slipping hazard.

6.1.1. For non-emergency personnel

Emergency procedures Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment Use personal protective equipment as required. Equip cleanup crew with proper protection.

Emergency procedures Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment Collect spillage.

Methods for cleaning up

This material and its container must be disposed of in a safe way, and as per local

legislation. Mechanically recover the product. Store away from other materials.

Other information Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling Wear personal protective equipment. Avoid contact with skin and eyes. Wash hands and

other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour.

Hygiene measures Do not eat, drink or smoke when using this product. Always wash hands after handling the

product. Contaminated work clothing should not be allowed out of the workplace. Wash

contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions

Keep cool. Protect from sunlight.

Incompatible products

Strong bases. Strong acids.

Incompatible materials

Sources of ignition. Direct sunlight.

Storage temperature 5 – 25 °C

Heat and ignition sources Keep away from heat and direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional information The product has a pasty consistency. Exposure limit values for respirable dusts are not

relevant for this product.

8.1.1. National occupational exposure and biological limit values

HIT-ICE, A	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Methyl methacrylate



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

HIT-ICE, A			
IOEL TWA [ppm]	50 ppm		
IOEL STEL [ppm]	100 ppm		
Regulatory reference	COMMISSION DIRECTIVE 2009/161/EU		
Ireland - Occupational Exposure Limits			
Local name	Methyl methacrylate		
OEL TWA [2]	50 ppm		
OEL STEL [ppm]	100 ppm		
Remark	IOELV (Indicative Occupational Exposure Limit Values), Sens. (In the workplace respiratory or dermal exposures to sensitising agents may occur. Sensitizers may evoke respiratory or dermal reactions, e.g. asthma, rhinitis and allergic contact dermatitis. The notation does not distinguish between respiratory or dermal sensitisation. Chemical agents that are sensitizers present special problems in the workplace. Should an employee become sensitised, subsequent exposure may cause intense responses, even at low exposure concentrations well below the OELV. Exposure should be eliminated or significantly reduced through control measures such as engineering and process controls and use of personal protective equipment (PPE))		
Regulatory reference	Chemical Agents Code of Practice 2021		
Methyl methyacrylate (80-62-6)			
EU - Indicative Occupational Exposure Limit (IOEL)			
Local name	Methyl methacrylate		
IOEL TWA [ppm]	50 ppm		
IOEL STEL [ppm]	100 ppm		
Ireland - Occupational Exposure Limits			
Local name	Methyl methacrylate		
OEL TWA [2]	50 ppm		
OEL STEL [ppm]	100 ppm		

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure adequate ventilation.



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

8.2.2. Personal protection equipment

Personal protective equipment:

Safety glasses. Gloves. Protective clothing. Avoid all unnecessary exposure.

Personal protective equipment symbol(s):







8.2.2.1. Eye and face protection

Eye protection:

Wear security glasses which protect from splashes

Eye protection			
Туре	Field of application	Characteristics	Standard
Safety glasses	Droplet	clear	EN 166, EN 170

8.2.2.2. Skin protection

Hand protection:

Wear protective gloves. The permeation time is not the maximum wearing time! Generally speaking, it must be reduced. Contact with either mixtures of substances or different substances may shorten the protective function's effective duration.

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0,12		EN ISO 374

8.2.2.3. Respiratory protection

No additional information available

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

Consumer exposure controls:

Avoid contact during pregnancy/while nursing.

Other information:

Do not eat, drink or smoke during use.

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state Solid Colour Grey.

Appearance Thixotropic paste.

Odour characteristic.

Odour threshold Not determined

Melting point Not available



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Freezing point Not available
Boiling point Not available
Flammability Flammable

Explosive properties Product is not explosive.

Not applicable **Explosive limits** Not applicable Lower explosion limit Upper explosion limit Not applicable Not applicable Flash point Not self-igniting Auto-ignition temperature Not available Decomposition temperature Not available pH solution Not available Viscosity, kinematic 32544.379 mm²/s Viscosity, dynamic 55 Pa·s HN-0333 Solubility Water: Not miscible Partition coefficient n-octanol/water (Log Kow) Not available Vapour pressure Not available Vapour pressure at 50°C Not available

1.69 g/ml DIN 51757 Density Relative density Not available Relative vapour density at 20°C Not applicable Not available Particle size Particle size distribution Not available Not available Particle shape Not available Particle aspect ratio Not available Particle aggregation state Particle agglomeration state Not available Particle specific surface area Not available Particle dustiness Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

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



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

SECTION 11: Toxicological information

### Acute toxicity (oral) Acute toxicity (oralation) Acu	SECTION 11: Toxicological information		
Acute toxicity (cmal) Acute toxicity (cmmal) Acute toxicity (inhalation) Ethocystated Bisphenol A Dimethacrylate (41537-38-1) LD50 oral rat 2000 mg/kg LD50 oral rat 2000 mg/kg LD50 oral rat 2-2000 mg/kg Acute toxicity (inhalation) 1,5-hexanediyi bismethacrylate (6606-59-3) LD50 oral rat 2-2000 mg/kg (Rat; Literature study) 2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2	11.1. Information on hazard classes as define	ed in Regulation (EC) No 1272/2008	
Ethoxylatid Bisphenol A Dimethacrylate (41637-38-1)			
Ethoxylated Bisphenol A Dimethacrylate (41637-38-1) LD50 oral rat > 2000 mg/kg	Acute toxicity (dermal)	Not classified	
LD50 oral rat 2000 mg/kg	Acute toxicity (inhalation)	Not classified	
LD50 dermal rat > 2000 mg/kg (Rat; Literature study) 2-Propencic acid, 2-methyl-, monoester with 1.2-propanediol (27813-22-1) LD50 oral rat > 5000 mg/kg (Rat; DECD 401; Acute Oral Toxicity; Literature study; >=2000 mg/kg bodyweight; Rat; Experimental value) LD50 dermal rabbit > 5000 mg/kg (Rat; DECD 401; Acute Oral Toxicity; Literature study; >=2000 mg/kg bodyweight; Rat; Experimental value) 1.1.1-Trimethyloipropane trimethacrylate (3290-92-4) LD50 oral rat 5000 mg/kg 1.10-10-10-10-10-10-10-10-10-10-10-10-10-1	Ethoxylated Bisphenol A Dimethacrylate (41637-38	-1)	
1.6-hexanedlyl bismethacrylate (6606-59-3) LD50 oral rat > 15000 mg/kg (Rat; Literature study) 2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1) LD50 oral rat > 50000 mg/kg (Rat; CECD 401: Acute Oral Toxicity; Literature study; >=2000 mg/kg bodyweight; Rat; Experimental value) LD50 dermal rabbit > 5000 mg/kg bodyweight (Rabbit; Experimental value) 1.1.1-Trimethylolpropane trimethacrylate (3290-92-4) LD50 oral rat > 50000 mg/kg LD50 dermal rat > 3000 mg/kg 1.1-(p-tolylimino)dipropan-2-ol (38668-48-3) LD50 oral rat 25 mg/kg Methyl methyacrylate (80-62-6) LD50 oral rat > 6000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; 7900 mg/kg bodyweight; Rat; Equivalent or similar to OECD 401; Weight of evidence; 8400 mg/kg bodyweight; Rat; Weight of evidence) LD50 dermal rabbit > 75500 mg/kg (Rabbit; Literature study; Equivalent or similar to OECD 402; >5000 mg/kg bodyweight; Rabbit; Experimental value) LC50 Inhalation - Rat 27.5 mg/l/4h (Rat; Literature study; Equivalent or similar to OECD 402; >5000 mg/kg bodyweight; Rabbit; Experimental value) LC50 Inhalation - Rat 27.5 mg/l/4h (Rat; Literature study; Equivalent or similar to OECD 402; >5000 mg/kg bodyweight; Rabbit; Experimental value) LC50 Inhalation - Rat 27.5 mg/l/4h (Rat; Literature study; Equivalent or similar to OECD 402; >5000 mg/kg bodyweight; Rabbit; Experimental value) LC50 Inhalation - Rat 27.5 mg/l/4h (Rat; Literature study; Equivalent or similar to OECD 402; >5000 mg/kg bodyweight; Rabbit; Experimental value) LC50 Inhalation - Rat 27.5 mg/l/4h (Rat; Literature study; Equivalent or similar to OECD 402; >5000 mg/kg bodyweight; Rabbit; Experimental value) LC50 Inhalation - Rat 27.5 mg/l/4h (Rat; Literature study; Equivalent or similar to OECD 402; >5000 mg/kg bodyweight; Rabbit; Experimental value) LC50 Inhalation - Rat 27.5 mg/l/4h (Rat; Literature study; Equivalent or similar to OECD 402; >5000 mg/kg bodyweight; Rabbit; Experimental value; 27.5 mg/l/4h (Rat; Literature study;	LD50 oral rat	> 2000 mg/kg	
2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-92-1) D50 oral rat	LD50 dermal rat	> 2000 mg/kg	
2-Propencia acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1) LD50 oral rat	1,6-hexanediyl bismethacrylate (6606-59-3)		
LD50 oral rat S000 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Literature study; >=2000 mg/kg bodyweight; Rat; Experimental value)	LD50 oral rat	> 15000 mg/kg (Rat; Literature study)	
bodyweight; Rat; Experimental value) 1,1,1-Trimethylolpropane trimethacrylate (3290-92-4) LD50 oral rat > 5000 mg/kg > 5000 mg/kg LD50 oral rat > 5000 mg/kg 1,1-(p-tolylimino)dipropan-2-ol (38668-48-3) LD50 oral rat 25 mg/kg LD50 oral rat > 2000 mg/kg Methyl methyacrylate (80-62-6) LD50 oral rat > 6000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; 7900 mg/kg Mothyl methyacrylate (80-62-6) LD50 oral rat > 6000 mg/kg (Rat; Equivalent or similar to OECD 401; Weight of evidence; 8400 mg/kg bodyweight; Rat; Weight of evidence) LD50 dermal rabbit > 7550 mg/kg (Rabbit; Literature study; Equivalent or similar to OECD 402; >5000 mg/kg bodyweight; Rat; Weight of evidence) LC50 Inhalation - Rat 27.5 mg/l/4h (Rat; Literature study) Skin corrosion/irritation Not classified Additional information Based on available data, the classification criteria are not met Not classified May cause an allergic skin reaction. Germ cell mutagenicity Not classified Additional information Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met Not classified Additional informatio	2-Propenoic acid, 2-methyl-, monoester with 1,2-pr	opanediol (27813-02-1)	
LD50 dermal rabbit > 5000 mg/kg bodyweight (Rabbit; Experimental value) 1,1,1-Trimethylolpropane trimethacrylate (3290-92-4) LD50 dermal rat > 5000 mg/kg LD50 dermal rat > 3000 mg/kg LD50 dermal rat 25 mg/kg LD50 dermal rat 25 mg/kg LD50 dermal rat > 2000 mg/kg Methyl methyacrylate (80-62-6) LD50 oral rat > 6000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; 7900 mg/kg bodyweight; Rat; Equivalent or similar to OECD 401; Weight of evidence; 8400 mg/kg bodyweight; Rat; Weight of evidence) LD50 dermal rabbit > 7550 mg/kg (Rabbit; Literature study; Equivalent or similar to OECD 402; >5000 mg/kg bodyweight; Rat; Weight of evidence) LD50 dermal rabbit > 7550 mg/kg (Rabbit; Literature study; Equivalent or similar to OECD 402; >5000 mg/kg bodyweight; Rat; Weight of evidence) LC50 Inhalation - Rat 27.5 mg/l/4h (Rat; Literature study) Skin corrosion/irritation Not classified Additional information Based on available data, the classification criteria are not met Not classified Not classified Respiratory or skin sensitisation May cause an allergic skin reaction. Not classified Not classified Additional information Based on available data, the classification criteria are not met Not classified Not classified Additional information Based on available data, the classification criteria are not met Not classified Not classified Additional information Based on available data, the classification criteria are not met Not classified Not classified Additional information Based on available data, the classification criteria are not met Not classified Not classified Additional information Based on available data, the classification criteria are not met Not classified	LD50 oral rat		
1,1,1-Trimethylolpropane trimethacrylate (3290-92-4) LD50 oral rat	LDE0 darmal rabbit		
LD50 oral rat > 5000 mg/kg			
LD50 dermal rat 25 mg/kg LD50 oral rat 25 mg/kg Methyl methyacrylate (80-62-6) LD50 oral rat 26 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; 7900 mg/kg bodyweight; Rat; Equivalent or similar to OECD 401; Weight of evidence; 8400 mg/kg bodyweight; Rat; Weight of evidence) LD50 dermal rabbit 27 550 mg/kg (Rabbit; Literature study; Equivalent or similar to OECD 402; >5000 mg/kg bodyweight; Rat; Weight of evidence) LD50 dermal rabbit 27.5 mg/l/4h (Rat; Literature study; Equivalent or similar to OECD 402; >5000 mg/kg bodyweight; Rabbit; Experimental value) LC50 Inhalation - Rat 27.5 mg/l/4h (Rat; Literature study) Skin corrosion/irritation Not classified Additional information Based on available data, the classification criteria are not met Not classified Additional information Germ cell mutagenicity Not classified Additional information Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met Methyl methyacrylate (80-62-6) STOT-single exposure May cause respiratory irritation.	1,1,1-Trimethylolpropane trimethacrylate (3290-92-	4)	
LD50 oral rat Sequence of the sequen	LD50 oral rat	> 5000 mg/kg	
LD50 oral rat LD50 dermal rat 25 mg/kg Methyl methyacrylate (80-62-6) LD50 oral rat > 6000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; 7900 mg/kg bodyweight; Rat; Equivalent or similar to OECD 401; Weight of evidence; 8400 mg/kg bodyweight; Rat; Weight of evidence) LD50 dermal rabbit > 7550 mg/kg (Rabbit; Literature study; Equivalent or similar to OECD 402; >5000 mg/kg bodyweight; Rabbit; Experimental value) LC50 Inhalation - Rat 27.5 mg/l/4h (Rat; Literature study) Skin corrosion/irritation Additional information Based on available data, the classification criteria are not met Serious eye damage/irritation Additional information Based on available data, the classification criteria are not met Respiratory or skin sensitisation May cause an allergic skin reaction. Germ cell mutagenicity Not classified Additional information Based on available data, the classification criteria are not met Carcinogenicity Not classified Additional information Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met Methyl methyacrylate (80-62-6) STOT-single exposure May cause respiratory irritation.	LD50 dermal rat	> 3000 mg/kg	
Methyl methyacrylate (80-62-6)	1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3)		
Methyl methyacrylate (80-62-6) LD50 oral rat > 6000 mg/kg (Rat; Equivalent or similar to OECD 401; Literature study; 7900 mg/kg bodyweight; Rat; Equivalent or similar to OECD 401; Weight of evidence; 8400 mg/kg bodyweight; Rat; Weight of evidence) LD50 dermal rabbit > 7550 mg/kg (Rabbit; Literature study; Equivalent or similar to OECD 402; >5000 mg/kg bodyweight; Rabbit; Experimental value) LC50 Inhalation - Rat 27.5 mg/l/4h (Rat; Literature study) Skin corrosion/irritation Additional information Based on available data, the classification criteria are not met Serious eye damage/irritation Additional information Based on available data, the classification criteria are not met Respiratory or skin sensitisation Germ cell mutagenicity Additional information Based on available data, the classification criteria are not met Carcinogenicity Additional information Based on available data, the classification criteria are not met Reproductive toxicity Not classified Additional information Based on available data, the classification criteria are not met Reproductive toxicity Not classified Additional information Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met Methyl methyacrylate (80-62-6) STOT-single exposure May cause respiratory irritation.	LD50 oral rat	25 mg/kg	
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bodyweight; Rat; Equivalent or similar to OECD 401; Weight of evidence; 8400 mg/kg bodyweight; Rat; Weight of evidence) LD50 dermal rabbit > 7550 mg/kg (Rabbit; Literature study; Equivalent or similar to OECD 402; >5000 mg/kg bodyweight; Rabbit; Experimental value) LC50 Inhalation - Rat 27.5 mg/l/4h (Rat; Literature study) Skin corrosion/irritation Not classified Additional information Based on available data, the classification criteria are not met Serious eye damage/irritation Additional information Based on available data, the classification criteria are not met Respiratory or skin sensitisation May cause an allergic skin reaction. Germ cell mutagenicity Not classified Additional information Based on available data, the classification criteria are not met Carcinogenicity Not classified Additional information Based on available data, the classification criteria are not met Reproductive toxicity Not classified Additional information Based on available data, the classification criteria are not met Reproductive toxicity Not classified Additional information Based on available data, the classification criteria are not met STOT-single exposure Not classified Methyl methyacrylate (80-62-6) STOT-single exposure May cause respiratory irritation.	Methyl methyacrylate (80-62-6)		
bodyweight; Rabbit; Experimental value) LC50 Inhalation - Rat 27.5 mg/l/4h (Rat; Literature study) Skin corrosion/irritation Not classified Additional information Based on available data, the classification criteria are not met Serious eye damage/irritation Additional information Based on available data, the classification criteria are not met Respiratory or skin sensitisation May cause an allergic skin reaction. Germ cell mutagenicity Not classified Additional information Based on available data, the classification criteria are not met Carcinogenicity Not classified Additional information Based on available data, the classification criteria are not met Reproductive toxicity Additional information Based on available data, the classification criteria are not met STOT-single exposure Not classified May cause respiratory irritation.	LD50 oral rat	bodyweight; Rat; Equivalent or similar to OECD 401; Weight of evidence; 8400 mg/kg	
Skin corrosion/irritation Additional information Based on available data, the classification criteria are not met Serious eye damage/irritation Additional information Based on available data, the classification criteria are not met Respiratory or skin sensitisation May cause an allergic skin reaction. Germ cell mutagenicity Additional information Based on available data, the classification criteria are not met Carcinogenicity Additional information Based on available data, the classification criteria are not met Reproductive toxicity Additional information Based on available data, the classification criteria are not met Reproductive toxicity Additional information Based on available data, the classification criteria are not met STOT-single exposure Additional information Based on available data, the classification criteria are not met Methyl methyacrylate (80-62-6) STOT-single exposure May cause respiratory irritation.	LD50 dermal rabbit		
Additional information Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met Respiratory or skin sensitisation May cause an allergic skin reaction. Germ cell mutagenicity Additional information Based on available data, the classification criteria are not met Carcinogenicity Additional information Based on available data, the classification criteria are not met Reproductive toxicity Additional information Based on available data, the classification criteria are not met Reproductive toxicity Additional information Based on available data, the classification criteria are not met STOT-single exposure Additional information Based on available data, the classification criteria are not met Methyl methyacrylate (80-62-6) STOT-single exposure May cause respiratory irritation.	LC50 Inhalation - Rat	27.5 mg/l/4h (Rat; Literature study)	
Serious eye damage/irritation Additional information Based on available data, the classification criteria are not met Respiratory or skin sensitisation May cause an allergic skin reaction. Germ cell mutagenicity Additional information Based on available data, the classification criteria are not met Carcinogenicity Additional information Based on available data, the classification criteria are not met Reproductive toxicity Additional information Based on available data, the classification criteria are not met Reproductive toxicity Additional information Based on available data, the classification criteria are not met STOT-single exposure Additional information Based on available data, the classification criteria are not met Methyl methyacrylate (80-62-6) STOT-single exposure May cause respiratory irritation.	Skin corrosion/irritation	Not classified	
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Respiratory or skin sensitisation Germ cell mutagenicity Additional information Carcinogenicity Additional information Based on available data, the classification criteria are not met Carcinogenicity Additional information Based on available data, the classification criteria are not met Reproductive toxicity Additional information Based on available data, the classification criteria are not met STOT-single exposure Additional information Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met Methyl methyacrylate (80-62-6) STOT-single exposure May cause respiratory irritation.	Serious eye damage/irritation	Not classified	
Germ cell mutagenicity Additional information Based on available data, the classification criteria are not met Carcinogenicity Additional information Based on available data, the classification criteria are not met Reproductive toxicity Additional information Based on available data, the classification criteria are not met STOT-single exposure Additional information Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met Methyl methyacrylate (80-62-6) STOT-single exposure May cause respiratory irritation.	Additional information	Based on available data, the classification criteria are not met	
Additional information Carcinogenicity Additional information Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met STOT-single exposure Additional information Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met Methyl methyacrylate (80-62-6) STOT-single exposure May cause respiratory irritation.	•	May cause an allergic skin reaction.	
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Reproductive toxicity Additional information Based on available data, the classification criteria are not met Not classified Additional information Based on available data, the classification criteria are not met Methyl methyacrylate (80-62-6) STOT-single exposure May cause respiratory irritation.	3		
Additional information STOT-single exposure Additional information Based on available data, the classification criteria are not met Not classified Based on available data, the classification criteria are not met Methyl methyacrylate (80-62-6) STOT-single exposure May cause respiratory irritation.			
STOT-single exposure Additional information Methyl methyacrylate (80-62-6) STOT-single exposure Not classified Based on available data, the classification criteria are not met Methyl methyacrylate (80-62-6) STOT-single exposure May cause respiratory irritation.	•		
Additional information Based on available data, the classification criteria are not met Methyl methyacrylate (80-62-6) STOT-single exposure May cause respiratory irritation.			
Methyl methyacrylate (80-62-6) STOT-single exposure May cause respiratory irritation.	• ,		
STOT-single exposure May cause respiratory irritation.			
STOT-repeated exposure Not classified		May cause respiratory irritation.	
	STOT-repeated exposure	Not classified	



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Additional information Based on available data, the classification criteria are not met

Aspiration hazard Not classified

Additional information Based on available data, the classification criteria are not met

32544.379 mm²/s

HIT-ICE, A

Viscosity, kinematic 11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

11.2.2. Other information

Potential adverse human health effects and

symptoms

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term

(acute)

Hazardous to the aquatic environment, long-term

Not classified

Harmful to aquatic life with long lasting effects.

(chronic)			
Ethoxylated Bisphenol A Dimethacrylate (41637-38-1)			
LC50 - Fish [1]	> 100 mg/l		
EC50 - Crustacea [1]	> 100 mg/l		
NOEC (acute)	> 100 mg/l		
1,6-hexanediyl bismethacrylate (6606-59-3)			
LC50 - Fish [1]	4.5 mg/l (96 h; Brachydanio rerio)		
EC50 - Crustacea [1]	11.9 mg/l (48 h, Daphnia magna, QSAR)		
EC50 72h - Algae [1]	5.33 mg/l (Algae, QSAR)		
2-Propenoic acid, 2-methyl-, monoester with 1,2-pro	opanediol (27813-02-1)		
LC50 - Fish [1]	493 mg/l (48 h; Leuciscus idus; GLP)		
EC50 - Crustacea [1]	> 143 mg/l (48 h; Daphnia magna; GLP)		
ErC50 algae	97.2 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)		
Threshold limit - Algae [1]	> 97.2 mg/l (72 h; Pseudokirchneriella subcapitata; GLP)		
Threshold limit - Algae [2]	> 97.2 mg/l (72 h; Pseudokirchneriella subcapitata; GLP)		
1,1,1-Trimethylolpropane trimethacrylate (3290-92-	4)		
LC50 - Fish [1]	2 mg/l		
ErC50 algae	3.88 mg/l		
NOEC chronic fish	0.138 mg/l		
NOEC chronic crustacea	0.177 mg/l		
1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3)			
LC50 - Fish [1]	≈ 17 mg/l		



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3)		
LC50 - Other aquatic organisms [1]	245 mg/l	
EC50 - Crustacea [1]	28.8 mg/l	
NOEC (acute)	57.8 mg/l	
Methyl methyacrylate (80-62-6)		
LC50 - Fish [1]	130 mg/l (96 h; Pimephales promelas; Lethal)	
LC50 - Fish [2]	191 mg/l (96 h; Lepomis macrochirus)	
EC50 - Crustacea [1]	69 mg/l (48 h; Daphnia magna; GLP)	
EC50 - Crustacea [2]	502 mg/l (24 h; Daphnia magna)	
EC50 72h - Algae [1]	> 110 mg/l (OECD 201: Alga, Growth Inhibition Test, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Growth rate)	
TLM - Fish [1]	159 mg/l (96 h; Pimephales promelas)	
Threshold limit - Other aquatic organisms [1]	100 mg/l (16 h; Pseudomonas putida)	
Threshold limit - Algae [1]	37 mg/l (168 h; Scenedesmus quadricauda; Toxicity test)	
Threshold limit - Algae [2]	120 mg/l (192 h; Microcystis aeruginosa)	

12.2. Persistence and degradability

HIT-ICE, A		
Persistence and degradability	Not established.	
2-Propenoic acid, 2-methyl-, monoester with 1,2-pro	ppanediol (27813-02-1)	
Persistence and degradability	Readily biodegradable in water.	
Methyl methyacrylate (80-62-6)		
Biochemical oxygen demand (BOD)	0.14 g O₂/g substance	
ThOD	1.9 g O ₂ /g substance	

12.3. Bioaccumulative potential

HIT-ICE, A			
Bioaccumulative potential	Not established.		
Ethoxylated Bisphenol A Dimethacrylate (41637-3	18-1)		
Bioconcentration factor (BCF REACH)	52.13		
Partition coefficient n-octanol/water (Log Pow)	3.43 – 5.62 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)		
Partition coefficient n-octanol/water (Log Kow)	5.3		
1,6-hexanediyl bismethacrylate (6606-59-3)	1,6-hexanediyl bismethacrylate (6606-59-3)		
BCF - Fish [1]	228.6 l/kg (BCFBAF v3.01, Pisces, QSAR, Fresh weight)		
Partition coefficient n-octanol/water (Log Pow)	4.08 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)		
2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1)			
BCF - Fish [1]	≤ 100		



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1)			
BCF - Fish [2]	3.2 Quantitative structure-activity relationship (QSAR)		
Partition coefficient n-octanol/water (Log Pow)	0.97 (OECD 102 method)		
Bioaccumulative potential	Low bioaccumulation potential (BCF < 500).		
1,1,1-Trimethylolpropane trimethacrylate (3290-92-4	l)		
BCF - Fish [2]	366 l/kg		
Partition coefficient n-octanol/water (Log Pow)	3.53		
Partition coefficient n-octanol/water (Log Kow)	4.39		
1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3)			
Partition coefficient n-octanol/water (Log Kow)	2.1		
Methyl methyacrylate (80-62-6)			
BCF - Fish [1]	2.97 – 3.5 (Pisces)		
Partition coefficient n-octanol/water (Log Pow)	1.32 – 1.38 (Experimental value; OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method; 20 °C)		
Bioaccumulative potential	Low bioaccumulation potential (Log Kow < 4).		

12.4. Mobility in soil

12.4. Mobility in soil			
Ethoxylated Bisphenol A Dimethacrylate (41637-38-1)			
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.56 (2.56 – 3.88)		
Ecology - soil	Low potential for adsorption in soil.		
1,6-hexanediyl bismethacrylate (6606-59-3)			
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.7 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)		
Ecology - soil	Low potential for adsorption in soil.		
2-Propenoic acid, 2-methyl-, monoester with 1,2-p	ropanediol (27813-02-1)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	1.9 (log Koc, Calculated value)		
Ecology - soil	Highly mobile in soil.		
Methyl methyacrylate (80-62-6)			
Surface tension	61 mN/m (OECD 115: Surface Tension of Aqueous Solutions)		
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	0.94 – 1.86 (log Koc, EPA OTS 796.2750: Sediment and Soil Adsorption Isotherm, Experimental value, GLP)		
Ecology - soil	Highly mobile in soil.		

12.5. Results of PBT and vPvB assessment

HIT-ICE, A
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)

Product/Packaging disposal recommendations

Ecology - waste materials
European List of Waste (LoW) code

HP Code

Disposal must be done according to official regulations.

After curing, the product can be disposed of with household waste. Full or only partially emptied cartridges must be disposed of as special waste in accordance with official regulations. Packaging contaminated by the product: Dispose in a safe manner in accordance with local/national regulations.

Avoid release to the environment.

 $08\ 04\ 09^*$ - waste adhesives and sealants containing organic solvents or other dangerous substances

20 01 27 * - paint, inks, adhesives and resins containing dangerous substances HP3 - "Flammable:"

- flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;
- flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;
- flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;
- flammable gaseous waste: gaseous waste which is flammable in air at 20 $^{\circ}\text{C}$ and a standard pressure of 101.3 kPa;
- water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;
- other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID

ADR	IMDG	IATA	RID	
14.1. UN number or ID num	ber			
Not applicable	Not applicable	Not applicable	Not applicable	
14.2. UN proper shipping n	ame			
Not applicable	Not applicable	Not applicable	Not applicable	
14.3. Transport hazard class	ss(es)			
Not applicable	Not applicable	Not applicable	Not applicable	
14.4. Packing group	14.4. Packing group			
Not applicable	Not applicable	Not applicable	Not applicable	
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	
No supplementary information available				



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

14.6. Special precautions for user

Overland transport

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

Rail transport

Not applicable

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

EU restriction list (REACH Annex XVII)		
Reference code	Applicable on	
3(a)	Methyl methyacrylate	
3(b)	2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol ; Methyl methyacrylate	
3(c)	1,6-hexanediyl bismethacrylate ; 1,1,1-Trimethylolpropane trimethacrylate	
40.	Methyl methyacrylate	

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:		
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways	
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road	
ATE	Acute Toxicity Estimate	
BCF	Bioconcentration factor	
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008	
DMEL	Derived Minimal Effect level	
DNEL	Derived-No Effect Level	
EC50	Median effective concentration	
IARC	International Agency for Research on Cancer	
IATA	International Air Transport Association	
IMDG	International Maritime Dangerous Goods	
LC50	Median lethal concentration	
LD50	Median lethal dose	
LOAEL	Lowest Observed Adverse Effect Level	
NOAEC	No-Observed Adverse Effect Concentration	
NOAEL	No-Observed Adverse Effect Level	
NOEC	No-Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
PBT	Persistent Bioaccumulative Toxic	
PNEC	Predicted No-Effect Concentration	
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006	
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail	
SDS	Safety Data Sheet	
vPvB	Very Persistent and Very Bioaccumulative	

Other information None.

Full text of H- and EUH-statements:		
Acute Tox. 2 (Oral)	Acute toxicity (oral), Category 2	
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2	
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3	



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Full text of H- and EUH-statements:		
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2	
Flam. Liq. 2	Flammable liquids, Category 2	
H225	Highly flammable liquid and vapour.	
H300	Fatal if swallowed.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
H335	May cause respiratory irritation.	
H411	Toxic to aquatic life with long lasting effects.	
H412	Harmful to aquatic life with long lasting effects.	
Skin Irrit. 2	Skin corrosion/irritation, Category 2	
Skin Sens. 1	Skin sensitisation, Category 1	
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:					
Skin Sens. 1	H317	Calculation method			
Aquatic Chronic 3	H412	Calculation method			

SDS_EU_Hilti

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.