



Safety information for 2-Component-products

Issue date: 11/08/2022 Revision date: 11/08/2022 Supersedes: 22/02/2017 Version: 2.0

SECTION 1: Kit identification

1.1 Product identifier

Product name HIT-1
Product code BU Anchor

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

Hilti (Fastening Systems) Limited
Unit C4
North City Business Park, Finglas
11 Dublin - Irland
T +353 188 64101
1850-287 387 Call Save - F +353 183 03569
iesales@hilti.com

SECTION 2: General information

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]

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)





GHS09

Signal word (CLP)

Warning

Hazardous ingredients

methacrylates, dibenzoyl peroxide

Hazard statements (CLP) H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

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

12/08/2022 IE - en 1/29



HIT-1

Kit SIS (Safety Information Sheet)

P280 - Wear eye protection, protective clothing, protective gloves. Precautionary statements (CLP)

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

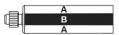
contact lenses, if present and easy to do. Continue rinsing. P302+P352 - IF ON SKIN: Wash with plenty of water.

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

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-1, A		1	pcs (pieces)	Skin Sens. 1, H317 Aquatic Chronic 3, H412
HIT-1, B		1	pcs (pieces)	Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

SECTION 4: General information

For professional users only General advice

SECTION 5: Safe handling advice

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

Notify authorities if liquid enters sewers or public waters

Storage conditions Keep cool. Protect from sunlight. Wear personal protective equipment Precautions for safe handling 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. Sources of ignition Incompatible materials Direct sunlight Incompatible products Strong bases Strong acids

SECTION 6: First aid measures

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

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

12/08/2022 IE - en 2/29



HIT-1

Kit SIS (Safety Information Sheet)

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.

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 May cause severe 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

12/08/2022 IE - en 3/29



HIT-1, B Safety Data Sheet

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

Issue date: 11/08/2022 Revision date: 11/08/2022 Supersedes version of: 22/02/2017

Version: 2.0

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

1.1. Product identifier

Product form Mixture
Product name HIT-1, B
Product code BU Anchor

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

1.2.1. Relevant identified uses

Industrial/Professional use spec For professional use only

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

11 Dublin - Irland 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

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	PO Box 1297	+353 1 809 2566	
	Beaumont Hospital	Beaumont Road	(Healthcare	
		9 Dublin	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]

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

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)





GHS09

Signal word (CLP)

Contains

Hazard statements (CLP)

Precautionary statements (CLP)

GHS07 Warning

dibenzoyl peroxide

H317 - May cause an allergic skin reaction.

H319 - Causes serious eye irritation.

H410 - Very toxic 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

Component	
dibenzoyl peroxide (94-36-0)	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	
dibenzoyl peroxide(94-36-0)	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]
dibenzoyl peroxide	CAS-No. 94-36-0	5 – <15	Org. Perox. B, H241
	EC-No. 202-327-6		Eye Irrit. 2, H319
	EC Index-No. 617-008-00-0		Skin Sens. 1, H317
	REACH-no 01-2119511472-		Aquatic Acute 1, H400 (M=10)
	50		Aquatic Chronic 1, H410 (M=10)

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



Safety Data Sheet

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

SECTION 4 First aid measures

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.

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

First-aid measures after ingestion

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

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.

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.

11/08/2022 (Version: 2.0) EN (English) 6/29



Hygiene measures

Safety Data Sheet

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

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. 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 conditionsKeep cool. Protect from sunlight.Incompatible productsStrong bases. Strong acids.Incompatible materialsSources 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

8.1.1. National occupational exposure and biological limit values

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

relevant for this product.

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



Safety Data Sheet

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

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

Skin and body protection

Wear suitable protective clothing

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.

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



Safety Data Sheet

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

Colour Black.

Appearance Thixotropic paste. Odour Not available Odour threshold Not available Melting point Not available Freezing point Not available Not available Boiling point Flammability Not available **Explosive limits** Not applicable Lower explosive limit (LEL) Not applicable Upper explosive limit (UEL) Not applicable Flash point Not applicable Auto-ignition temperature Not applicable Not available Decomposition temperature Not available pH solution Not available Viscosity, kinematic Not applicable Solubility Not available Not available Partition coefficient n-octanol/water (Log Kow) Vapour pressure Not available Vapour pressure at 50 °C Not available Density 1.59 g/cm³ Relative density Not available Relative vapour density at 20 °C Not applicable Particle size Not available Particle size distribution Not available 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

VOC content 4.3 % (DIN EN ISO 11890-2)

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.



Safety Data Sheet

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

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

Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitisation May cause an allergic skin reaction.

Germ cell mutagenicity

Not classified
Carcinogenicity

Not classified

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

Reproductive toxicity

STOT-single exposure

STOT-repeated exposure

Aspiration hazard

Not classified

Not classified

Not classified

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

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

Very toxic to aquatic life.

(acute)

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

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

dibenzoyl peroxide (94-36-0)	
Partition coefficient n-octanol/water (Log Pow)	3.71
Bioaccumulative potential	Low bioaccumulation potential (Log Kow < 4).



Safety Data Sheet

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

12.4. Mobility in soil

dibenzoyl peroxide (94-36-0)	
Surface tension	No data available (test not performed)
Organic Carbon Normalized Adsorption Coefficient	3.8 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on
(Log Koc)	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

Component	
dibenzoyl peroxide (94-36-0)	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

No additional information available

SECTION 13 Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)

Disposal must be done according to official regulations.

Product/Packaging disposal recommendations

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.

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

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

substances

20 01 27 $\!\!\!^\star$ - paint, inks, adhesives and resins containing dangerous substances

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID

ADR	IMDG	IATA	RID
14.1. UN number or ID number			
UN 3077	UN 3077	UN 3077	UN 3077
14.2. UN proper shipping name			
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dibenzoyl peroxide)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dibenzoyl peroxide)	Environmentally hazardous substance, solid, n.o.s. (dibenzoyl peroxide)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dibenzoyl peroxide)
Transport document description			
UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dibenzoyl peroxide), 9, III, (-)	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dibenzoyl peroxide), 9, III, MARINE POLLUTANT	UN 3077 Environmentally hazardous substance, solid, n.o.s. (dibenzoyl peroxide), 9, III	UN 3077 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (dibenzoyl peroxide), 9, III
14.3. Transport hazard class(es)			
9	9	9	9



Safety Data Sheet

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

ADR	IMDG	IATA	RID	
14.4. Packing group				
III	III	III	III	
14.5. Environmental hazards				
Dangerous for the environment: Yes Dangerous for the environment: Yes Marine pollutant: Yes Dangerous for the environment: Yes Yes Dangerous for the environment: Yes Yes Yes Yes				
not restricted according ADR Special Provision SP375, IATA-DGR Special Provision A197 and IMDG-Code 2.10.2.7				

14.6. Special precautions for user

Overland transport

Classification code (ADR) : M7

Special provisions (ADR) : 274, 335, 375, 601

Limited quantities (ADR) : 5kg

Packing instructions (ADR) : P002, IBC08, LP02, R001

Mixed packing provisions (ADR) : MP10
Transport category (ADR) : 3

Transport category (ADR) : 3
Orange plates :

3077

Tunnel restriction code (ADR) : -

Transport by sea

Special provisions (IMDG) : 274, 335, 966, 967, 969

Limited quantities (IMDG) : 5 kg
Packing instructions (IMDG) : LP02, P002
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-F
Stowage category (IMDG) : A
Stowage and handling (IMDG) : SW23

Air transport

PCA packing instructions (IATA) : 956
PCA max net quantity (IATA) : 400kg
CAO packing instructions (IATA) : 956

Special provisions (IATA) : A97, A158, A179, A197, A215

Rail transport

Special provisions (RID) : 274, 335, 375, 601

Limited quantities (RID) : 5kg

Packing instructions (RID) : P002, IBC08, LP02, R001

14.7. Maritime transport in bulk according to IMO instruments

Not applicable



Safety Data Sheet

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

SECTION 15 Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content

4.3 % (DIN EN ISO 11890-2)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16 Other information

Indication of changes:

Section	Changed item	Change	Comments
	SDS EU format according to COMMISSION	Modified	
	REGULATION (EU) 2020/878		
2.1	Classification according to Regulation (EC)	Added	
	No. 1272/2008 [CLP]		
2.2	UFI	Added	
2.2	Hazard statements (CLP)	Modified	
3	Composition/information on ingredients	Modified	
13.1	European List of Waste (LoW) code	Added	
14	Transport information	Added	

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	



Safety Data Sheet

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

Abbreviations and acronyms	
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative

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.	
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	
Skin Sens. 1	Skin sensitisation, Category 1	

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]		
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: 11/08/2022 Revision date: 11/08/2022 Supersedes version of: 22/02/2017

Version: 2.0

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

1.1. Product identifier

Product form Mixture
Product name HIT-1, A
Product code BU Anchor

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

1.2.1. Relevant identified uses

Industrial/Professional use spec For professional use only

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

11 Dublin - Irland 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

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	PO Box 1297	+353 1 809 2566	
	Beaumont Hospital	Beaumont Road	(Healthcare	
		9 Dublin	professionals-24/7)	
			+353 1 809 2166 (public,	
			9am 10nm 7/7)	

H412

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

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

2.2. Label elements

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

Hazard pictograms (CLP)





Safety Data Sheet

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

GHS07
Signal word (CLP)
Warning

Contains 2-Propenoic acid, 2-methyl-, 1,4-butanediyl ester, ethylenedimethacrylate, stabilized, 2-

Propenoic acid, 2-methyl-, monoester with 1,2-propanediol, Reaction mass of 2,2'-[(4-methyl-, monoeste

 $methyl phenyl) imino] bisethanol\ and\ Ethanol,\ 2-[[2-(2-hydroxyethoxy)ethyl] (4-hydroxyethoxy) and\ Ethanol\ and\ and\ Ethanol\ and\ and\$

methylphenyl)amino]-

Hazard statements (CLP) H317 - May cause an allergic skin reaction.

H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (CLP) 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.

6HU0-U08J-8516-E4WW

2.3. Other hazards

UFI

Component		
2-Propenoic acid, 2-methyl-, 1,4-butanediyl ester (2082-81-7)	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	
vinyltoluene (25013-15-4)	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	
ethylenedimethacrylate, stabilized (97-90-5)	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'-(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	
Reaction mass of 2,2'-[(4-methylphenyl)imino]bisethanol and Ethanol, 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-	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	
2,2,4-trimethyl-1,3-pentanedioldiisobutyrate (6846-50-0)	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	
1,4-naphthoquinone (130-15-4)	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	

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	
2-Propenoic acid, 2-methyl-, 1,4-butanediyl	The substance is not included in the list established in accordance with Article 59(1) of
ester(2082-81-7)	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	
vinyltoluene(25013-15-4)	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
ethylenedimethacrylate, stabilized(97-90-5)	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-	The substance is not included in the list established in accordance with Article 59(1) of
propanediol(27813-02-1)	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
Reaction mass of 2,2'-[(4-	The substance is not included in the list established in accordance with Article 59(1) of
methylphenyl)imino]bisethanol and Ethanol, 2-[[2-(2-	REACH for having endocrine disrupting properties, or is not identified as having
hydroxyethoxy)ethyl](4-methylphenyl)amino]-	endocrine disrupting properties in accordance with the criteria set out in Commission
	Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605
2,2,4-trimethyl-1,3-pentanedioldiisobutyrate(6846-	The substance is not included in the list established in accordance with Article 59(1) of
50-0)	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
1,4-naphthoquinone(130-15-4)	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

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]
2-Propenoic acid, 2-methyl-, 1,4-butanediyl ester	CAS-No. 2082-81-7	5 – <15	Skin Sens. 1B, H317
	EC-No. 218-218-1		
	REACH-no 01-2119967415-		
	30		
vinyltoluene	CAS-No. 25013-15-4	1 – <6	Flam. Liq. 3, H226
substance with national workplace exposure limit(s)	EC-No. 246-562-2		Acute Tox. 4 (Inhalation), H332
(IE)	REACH-no 01-2119622074-		(ATE=1.5 mg/l/4h)
	50		Skin Irrit. 2, H315
			Eye Irrit. 2, H319
			Aquatic Acute 1, H400
			Aquatic Chronic 2, H411
ethylenedimethacrylate, stabilized	CAS-No. 97-90-5	1 – <5	Skin Sens. 1, H317
	EC-No. 202-617-2		STOT SE 3, H335
	EC Index-No. 607-114-00-5		Aquatic Chronic 3, H412
2-Propenoic acid, 2-methyl-, monoester with 1,2-	CAS-No. 27813-02-1	< 2.5	Eye Irrit. 2, H319
propanediol	EC-No. 248-666-3		Skin Sens. 1, H317
	EC Index-No. 607-125-00-5		
	REACH-no 01-2119490226-		
	37		



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]
1,1'-(p-tolylimino)dipropan-2-ol	CAS-No. 38668-48-3	< 0.5	Acute Tox. 2 (Oral), H300 (ATE=25
	EC-No. 254-075-1		mg/kg bodyweight)
	REACH-no 01-2119980937-		Eye Irrit. 2, H319
	17		Aquatic Chronic 3, H412
Reaction mass of 2,2'-[(4-	EC-No. 911-490-9	< 0.5	Acute Tox. 4 (Oral), H302 (ATE=500
methylphenyl)imino]bisethanol and Ethanol, 2-[[2-(2-	REACH-no 01-2119979579-		mg/kg bodyweight)
hydroxyethoxy)ethyl](4-methylphenyl)amino]-	10		Skin Irrit. 2, H315
			Eye Dam. 1, H318
			Skin Sens. 1, H317
			Aquatic Chronic 3, H412
2,2,4-trimethyl-1,3-pentanedioldiisobutyrate	CAS-No. 6846-50-0	< 0.5	Repr. 2, H361
	EC-No. 229-934-9		Aquatic Chronic 3, H412
1,4-naphthoquinone	CAS-No. 130-15-4	< 0.05	Acute Tox. 3 (Oral), H301 (ATE=124
	EC-No. 204-977-6		mg/kg bodyweight)
			Acute Tox. 1 (Inhalation), H330
			Skin Corr. 1C, H314
			Eye Dam. 1, H318
			Skin Sens. 1, H317
			STOT SE 3, H335
			Aquatic Acute 1, H400 (M=10)
			Aquatic Chronic 1, H410

Specific concentration limits:

Name	Product identifier	Specific concentration limits
ethylenedimethacrylate, stabilized	CAS-No. 97-90-5	(10 ≤C < 100) STOT SE 3, H335
	EC-No. 202-617-2	
	EC Index-No. 607-114-00-5	

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

SECTION 4 First aid measures

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.



Safety Data Sheet

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

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.

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. 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)

Hygiene measures

No additional information available

11/08/2022 (Version: 2.0) EN (English) 19/29



Safety Data Sheet

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

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

Additional information

The product has a pasty consistency. Exposure limit values for respirable dusts are not relevant for this product.

HIT-1, A		
Ireland - Occupational Exposure Limits		
Local name	Methylstyrene, all isomers [Vinyl toluene, all isomers]	
OEL TWA [1]	242 mg/m³	
OEL TWA [2]	50 ppm	
OEL STEL	483 mg/m³	
OEL STEL [ppm]	10 ppm	
Remark	BOELV (Binding Occupational Exposure Limit Values)	
Regulatory reference	ce Chemical Agents Code of Practice 2021	
vinyltoluene (25013-15-4)		
Ireland - Occupational Exposure Limits		
Local name	Methylstyrene, all isomers	
OEL TWA [1]	242 mg/m³	
OEL TWA [2]	50 ppm	
OEL STEL	483 mg/m³	
OEL STEL [ppm]	10 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.

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

Eve protection

Wear security glasses which protect from splashes

Eye protection:

=yo protootion:			
Туре	Field of application	Characteristics	Standard
Safety glasses	Droplet	clear	EN 166, EN 170



Safety Data Sheet

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

8.2.2.2. Skin protection

Skin and body protection

Wear suitable protective clothing

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.

Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	> 0,4		EN ISO 374

8.2.2.3. Respiratory protection

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

Device	Filter type	Condition	Standard
Disposable half mask	Filter A1/B1	Vapour protection	

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 Beige.

Appearance Thixotropic paste.

Odour strong. unpleasant odour.

Odour threshold Not available Melting point Not available Freezing point Not available **Boiling point** Not available Not available Flammability Not applicable Explosive limits Lower explosive limit (LEL) Not applicable Upper explosive limit (UEL) Not applicable Flash point Not applicable Auto-ignition temperature Not applicable Decomposition temperature Not available Not available pΗ pH solution Not available Viscosity, kinematic Not applicable Solubility insoluble in water.



Safety Data Sheet

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

Partition coefficient n-octanol/water (Log Kow) Not available Not available Vapour pressure Vapour pressure at 50 °C Not available Density 1.72 g/cm³ Relative density Not available Relative vapour density at 20 °C Not applicable Particle size Not available Not available Particle size distribution Particle shape Not available Not available Particle aspect ratio 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

VOC content 2.8 % (DIN EN ISO 11890-2)

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

2-Propenoic acid, 2-methyl-, 1,4-butanediyl ester (2082-81-7)		
LD50 oral rat	10066 mg/kg	
LD50 dermal rat	> 3000 mg/kg	
ATE CLP (oral) 10066 mg/kg bodyweight		
vinyltoluene (25013-15-4)		
LD50 oral rat	3375 mg/kg bodyweight (Rat, Male, Experimental value, Oral, 14 day(s))	
LD50 oral	4000 mg/kg	
LD50 dermal rabbit	> 4585 mg/kg bodyweight (24 h, Rabbit, Male / female, Experimental value, Dermal, 14	
	day(s))	



Safety Data Sheet

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

vinyltoluene (25013-15-4)	
LC50 Inhalation - Rat	> 16.891 mg/l (4 h, Rat, Male / female, Experimental value, Inhalation (vapours), 14
	day(s))
ATE CLP (oral)	3375 mg/kg bodyweight
ATE CLP (gases)	4500 ppmv/4h
ATE CLP (vapours)	11 mg/l/4h
ATE CLP (dust,mist)	1.5 mg/l/4h
ethylenedimethacrylate, stabilized (97-90-	
LD50 oral rat	8700 mg/kg (Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female,
	Experimental value, Dermal, 14 day(s))
ATE CLP (oral)	8700 mg/kg bodyweight
2-Propenoic acid, 2-methyl-, monoester w	
LD50 oral rat	> 5000 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Literature study; >=2000 mg/kg
	bodyweight; Rat; Experimental value)
LD50 dermal rabbit	≥ 5000 mg/kg bodyweight (Rabbit; Experimental value)
2,2,4-trimethyl-1,3-pentanedioldiisobutyra	
LD50 oral rat	> 2000 mg/kg bodyweight (OECD 425: Acute Oral Toxicity: Up-and-Down Procedure,
	Rat, Female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rabbit, Male /
	female, Experimental value, Dermal, 14 day(s))
Reaction mass of 2 2'-[(4-methylphenyl)im	nino]bisethanol and Ethanol, 2-[[2-(2-hydroxyethoxy)ethyl](4-methylphenyl)amino]-
ATE CLP (oral)	500 mg/kg bodyweight
1,1'-(p-tolylimino)dipropan-2-ol (38668-48-	3)
LD50 oral rat	25 mg/kg
LD50 dermal rat	> 2000 mg/kg
ATE CLD (arel)	
ATE CLP (oral)	25 mg/kg bodyweight
,	25 mg/kg bodyweight
1,4-naphthoquinone (130-15-4) LD50 oral rat	25 mg/kg bodyweight 124 mg/kg (Rat; Experimental value)
1,4-naphthoquinone (130-15-4) LD50 oral rat	
1,4-naphthoquinone (130-15-4) LD50 oral rat ATE CLP (oral)	124 mg/kg (Rat; Experimental value) 124 mg/kg bodyweight
1,4-naphthoquinone (130-15-4) LD50 oral rat ATE CLP (oral) ATE CLP (gases)	124 mg/kg (Rat; Experimental value) 124 mg/kg bodyweight 10 ppmv/4h
1,4-naphthoquinone (130-15-4) LD50 oral rat ATE CLP (oral) ATE CLP (gases) ATE CLP (vapours)	124 mg/kg (Rat; Experimental value) 124 mg/kg bodyweight 10 ppmv/4h 0.05 mg/l/4h
1,4-naphthoquinone (130-15-4) LD50 oral rat ATE CLP (oral) ATE CLP (gases) ATE CLP (vapours) ATE CLP (dust,mist)	124 mg/kg (Rat; Experimental value) 124 mg/kg bodyweight 10 ppmv/4h 0.05 mg/l/4h 0.005 mg/l/4h
1,4-naphthoquinone (130-15-4) LD50 oral rat ATE CLP (oral) ATE CLP (gases) ATE CLP (vapours) ATE CLP (dust,mist) Skin corrosion/irritation	124 mg/kg (Rat; Experimental value) 124 mg/kg bodyweight 10 ppmv/4h 0.05 mg/l/4h 0.005 mg/l/4h Not classified
1,4-naphthoquinone (130-15-4) LD50 oral rat ATE CLP (oral) ATE CLP (gases) ATE CLP (vapours) ATE CLP (dust,mist) Skin corrosion/irritation Serious eye damage/irritation	124 mg/kg (Rat; Experimental value) 124 mg/kg bodyweight 10 ppmv/4h 0.05 mg/l/4h 0.005 mg/l/4h Not classified Not classified
1,4-naphthoquinone (130-15-4) LD50 oral rat ATE CLP (oral) ATE CLP (gases) ATE CLP (vapours) ATE CLP (dust,mist) Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation	124 mg/kg (Rat; Experimental value) 124 mg/kg bodyweight 10 ppmv/4h 0.05 mg/l/4h 0.005 mg/l/4h Not classified Not classified May cause an allergic skin reaction.
1,4-naphthoquinone (130-15-4) LD50 oral rat ATE CLP (oral) ATE CLP (gases) ATE CLP (vapours) ATE CLP (dust,mist) Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation Germ cell mutagenicity	124 mg/kg (Rat; Experimental value) 124 mg/kg bodyweight 10 ppmv/4h 0.05 mg/l/4h 0.005 mg/l/4h Not classified Not classified
1,4-naphthoquinone (130-15-4) LD50 oral rat ATE CLP (oral) ATE CLP (gases) ATE CLP (vapours) ATE CLP (dust,mist) Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity	124 mg/kg (Rat; Experimental value) 124 mg/kg bodyweight 10 ppmv/4h 0.05 mg/l/4h 0.005 mg/l/4h Not classified Not classified May cause an allergic skin reaction. Not classified Not classified Not classified
1,4-naphthoquinone (130-15-4) LD50 oral rat ATE CLP (oral) ATE CLP (gases) ATE CLP (vapours) ATE CLP (dust,mist) Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity	124 mg/kg (Rat; Experimental value) 124 mg/kg bodyweight 10 ppmv/4h 0.05 mg/l/4h 0.005 mg/l/4h Not classified Not classified May cause an allergic skin reaction. Not classified Not classified Not classified Not classified Not classified Not classified
1,4-naphthoquinone (130-15-4) LD50 oral rat ATE CLP (oral) ATE CLP (gases) ATE CLP (vapours) ATE CLP (dust,mist) Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure	124 mg/kg (Rat; Experimental value) 124 mg/kg bodyweight 10 ppmv/4h 0.05 mg/l/4h 0.005 mg/l/4h Not classified Not classified May cause an allergic skin reaction. Not classified
1,4-naphthoquinone (130-15-4) LD50 oral rat ATE CLP (oral) ATE CLP (gases) ATE CLP (vapours) ATE CLP (dust,mist) Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure ethylenedimethacrylate, stabilized (97-90-	124 mg/kg (Rat; Experimental value) 124 mg/kg bodyweight 10 ppmv/4h 0.05 mg/l/4h 0.005 mg/l/4h Not classified Not classified May cause an allergic skin reaction. Not classified
1,4-naphthoquinone (130-15-4) LD50 oral rat ATE CLP (oral) ATE CLP (gases) ATE CLP (vapours) ATE CLP (dust,mist) Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure ethylenedimethacrylate, stabilized (97-90- STOT-single exposure	124 mg/kg (Rat; Experimental value) 124 mg/kg bodyweight 10 ppmv/4h 0.05 mg/l/4h 0.005 mg/l/4h Not classified Not classified May cause an allergic skin reaction. Not classified
1,4-naphthoquinone (130-15-4) LD50 oral rat ATE CLP (oral) ATE CLP (gases) ATE CLP (vapours) ATE CLP (dust,mist) Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure ethylenedimethacrylate, stabilized (97-90- STOT-single exposure 1,4-naphthoquinone (130-15-4)	124 mg/kg (Rat; Experimental value) 124 mg/kg bodyweight 10 ppmv/4h 0.05 mg/l/4h 0.005 mg/l/4h Not classified Not classified May cause an allergic skin reaction. Not classified
1,4-naphthoquinone (130-15-4) LD50 oral rat ATE CLP (oral) ATE CLP (gases) ATE CLP (vapours) ATE CLP (dust,mist) Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure ethylenedimethacrylate, stabilized (97-90-STOT-single exposure 1,4-naphthoquinone (130-15-4) STOT-single exposure	124 mg/kg (Rat; Experimental value) 124 mg/kg bodyweight 10 ppmv/4h 0.05 mg/l/4h 0.005 mg/l/4h Not classified Not classified May cause an allergic skin reaction. Not classified
1,4-naphthoquinone (130-15-4) LD50 oral rat ATE CLP (oral) ATE CLP (gases) ATE CLP (vapours) ATE CLP (dust,mist) Skin corrosion/irritation Serious eye damage/irritation Respiratory or skin sensitisation Germ cell mutagenicity Carcinogenicity Reproductive toxicity STOT-single exposure ethylenedimethacrylate, stabilized (97-90- STOT-single exposure 1,4-naphthoquinone (130-15-4)	124 mg/kg (Rat; Experimental value) 124 mg/kg bodyweight 10 ppmv/4h 0.05 mg/l/4h 0.005 mg/l/4h Not classified Not classified May cause an allergic skin reaction. Not classified

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

No additional information available

11.2.2. Other information

Potential adverse human health effects and

symptoms

No additional information available



Safety Data Sheet

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

SECTION 12 Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term

Not classified

(acute)

Hazardous to the aquatic environment, long-term

Harmful to aquatic life with long lasting effects.

(chronic)

()	
2-Propenoic acid, 2-methyl-, 1,4-butanediyl	ester (2082-81-7)
LC50 - Other aquatic organisms [1]	9.79 mg/l
NOEC (acute)	7.51 mg/l
NOEC (chronic)	20 mg/l
vinyltoluene (25013-15-4)	·
ErC50 algae	4.3 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata,
	Static system, Fresh water, Experimental value)
NOEC (acute)	5.2 mg/kg
NOEC (chronic)	1.636 mg/l
ethylenedimethacrylate, stabilized (97-90-5	
LC50 - Fish [1]	15.95 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Static system,
	Experimental value, GLP)
EC50 - Crustacea [1]	44.9 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna,
	Static system, Experimental value, GLP)
ErC50 algae	19 mg/l (OECD 201: Alga, Growth Inhibition Test, 96 h, Pseudokirchneriella subcapitata,
	Static system, Experimental value, GLP)
2-Propenoic acid, 2-methyl-, monoester wit	h 1,2-propanediol (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)
2,2,4-trimethyl-1,3-pentanedioldiisobutyrate	e (6846-50-0)
EC50 - Crustacea [1]	> 1.46 mg/l (Equivalent or similar to EU Method C.2, 48 h, Daphnia magna, Static
	system, Fresh water, Experimental value, Greater than the water solubility)
ErC50 algae	> 7.49 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella
	subcapitata, Static system, Fresh water, Experimental value, Greater than the water
	solubility)
1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3	
LC50 - Fish [1]	≈ 17 mg/l
LC50 - Other aquatic organisms [1]	245 mg/l
EC50 - Crustacea [1]	28.8 mg/l
NOEC (acute)	57.8 mg/l

12.2. Persistence and degradability

2-Propenoic acid, 2-methyl-, 1,4-butanediyl ester (2082-81-7)			
Biodegradation 84 %			
vinyltoluene (25013-15-4)			
Persistence and degradability	Not readily biodegradable in water.		
Biochemical oxygen demand (BOD)	0 g O ₂ /g substance		
Chemical oxygen demand (COD)	2.88 g O ₂ /g substance		
ThOD	3.12 g O ₂ /g substance		
BOD (% of ThOD)	0		
ethylenedimethacrylate, stabilized (97-90-5)			
Persistence and degradability Readily biodegradable in water.			
2-Propenoic acid, 2-methyl-, monoester with 1,2-pr	2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1)		
Persistence and degradability Readily biodegradable in water.			



Safety Data Sheet

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

2,2,4-trimethyl-1,3-pentanedioldiisobutyrate (6846-50-0)		
Persistence and degradability Readily biodegradable in water.		
ThOD 2.4 g O ₂ /g substance		
1,4-naphthoquinone (130-15-4)		
Persistence and degradability Biodegradability in soil: no data available.		
Biochemical oxygen demand (BOD)	0.81 g O ₂ /g substance	
ThOD 2.125 g O ₂ /g substance		
BOD (% of ThOD)	0.381	

12.3. Bioaccumulative potential

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2-Propenoic acid, 2-methyl-, 1,4-butanediyl este	r (2082-81-7)
Partition coefficient n-octanol/water (Log Pow)	3.1
vinyltoluene (25013-15-4)	
BCF - Fish [1]	120 – 170 (Other, 30 day(s), Lepomis macrochirus, Flow-through system, Fresh water,
	Experimental value)
Partition coefficient n-octanol/water (Log Pow)	3.26 – 3.36 (Experimental value, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
ethylenedimethacrylate, stabilized (97-90-5)	
BCF - Other aquatic organisms [1]	2.96 (BCFBAF v3.00, QSAR)
Partition coefficient n-octanol/water (Log Pow)	2.4 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC
	method)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
2-Propenoic acid, 2-methyl-, monoester with 1,2	-propanediol (27813-02-1)
BCF - Fish [1]	≤ 100
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).
2,2,4-trimethyl-1,3-pentanedioldiisobutyrate (684	46-50-0)
BCF - Fish [1]	5340 (OECD 305: Bioconcentration: Flow-Through Fish Test, 23 day(s), Lepomis
	macrochirus, Flow-through system, Fresh water, Experimental value, GLP)
Partition coefficient n-octanol/water (Log Pow)	4.04 – 4.91 (QSAR, 25 °C)
Bioaccumulative potential	High potential for bioaccumulation (BCF > 5000).
1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3)	
Partition coefficient n-octanol/water (Log Kow)	2.1
1,4-naphthoquinone (130-15-4)	
Partition coefficient n-octanol/water (Log Pow)	1.71 – 1.78
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

vinyltoluene (25013-15-4)		
Organic Carbon Normalized Adsorption Coefficient	2.985 (log Koc, SRC PCKOCWIN v2.0, QSAR)	
(Log Koc)		
Ecology - soil	Low potential for adsorption in soil.	
ethylenedimethacrylate, stabilized (97-90-5)		
Surface tension	No data available (test not performed)	
Organic Carbon Normalized Adsorption Coefficient	1.367 – 2.12 (log Koc, SRC PCKOCWIN v2.0, QSAR)	
(Log Koc)		
Ecology - soil	Highly mobile in soil.	
2-Propenoic acid, 2-methyl-, monoester with 1,2-pr	opanediol (27813-02-1)	
Organic Carbon Normalized Adsorption Coefficient	1.9 (log Koc, Calculated value)	
(Log Koc)		
Ecology - soil	Highly mobile in soil.	
2,2,4-trimethyl-1,3-pentanedioldiisobutyrate (6846-	50-0)	
Surface tension	27.8 mN/m (22 °C, 100 vol %, EU Method A.5: Surface tension)	
Organic Carbon Normalized Adsorption Coefficient	3.6 (log Koc, QSAR)	
(Log Koc)		



Safety Data Sheet

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

2,2,4-trimethyl-1,3-pentanedioldiisobutyrate (6846-50-0)		
Ecology - soil Low potential for mobility in soil.		

12.5. Results of PBT and vPvB assessment

Component	
2-Propenoic acid, 2-methyl-, 1,4-butanediyl ester	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
(2082-81-7)	This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
vinyltoluene (25013-15-4)	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
ethylenedimethacrylate, stabilized (97-90-5)	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-	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
propanediol (27813-02-1)	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
Reaction mass of 2,2'-[(4-	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
methylphenyl)imino]bisethanol and Ethanol, 2-[[2-(2-	This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
hydroxyethoxy)ethyl](4-methylphenyl)amino]-	
2,2,4-trimethyl-1,3-pentanedioldiisobutyrate (6846-	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
50-0)	This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
1,4-naphthoquinone (130-15-4)	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

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13 Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)

Disposal must be done according to official regulations.

Product/Packaging disposal recommendations

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

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

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID

ADR	IMDG	IATA	RID	
14.1. UN number or ID number				
Not regulated	Not regulated	Not regulated	Not regulated	
14.2. UN proper shipping name	14.2. UN proper shipping name			
Not regulated	Not regulated	Not regulated	Not regulated	
14.3. Transport hazard class(es)				
Not regulated	Not regulated	Not regulated	Not regulated	



Safety Data Sheet

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

ADR	IMDG	IATA	RID	
14.4. Packing group	14.4. Packing group			
Not regulated	Not regulated	Not regulated	Not regulated	
14.5. Environmental hazards				
Not regulated	Not regulated	Not regulated	Not regulated	
No supplementary information available				

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

Rail transport

Not regulated

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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content 2.8 % (DIN EN ISO 11890-2)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16 Other information

Indication of changes:

Section	Changed item	Change	Comments
	SDS EU format according to COMMISSION	Modified	
	REGULATION (EU) 2020/878		
1.2	Use of the substance/mixture	Added	
2.1	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Modified	
2.2	UFI	Added	



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
2.2	Hazard statements (CLP)	Modified	
3.2	Composition/information on ingredients	Modified	
13.1	European List of Waste (LoW) code	Added	

Abbreviations ar	nd 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

Full text of H- and EUH-s	tatements:
Acute Tox. 1 (Inhalation)	Acute toxicity (inhal.), Category 1
Acute Tox. 2 (Oral)	Acute toxicity (oral), Category 2
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
H226	Flammable liquid and vapour.
H300	Fatal if swallowed.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H332	Harmful if inhaled.



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:			
H335	May cause respiratory irritation.		
H361	Suspected of damaging fertility or the unborn child.		
H400	Very toxic to aquatic life.		
H410	Very toxic to aquatic life with long lasting effects.		
H411	Toxic to aquatic life with long lasting effects.		
H412	Harmful to aquatic life with long lasting effects.		
Repr. 2	Reproductive toxicity, Category 2		
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C		
Skin Irrit. 2	Skin corrosion/irritation, Category 2		
Skin Sens. 1	Skin sensitisation, Category 1		
Skin Sens. 1B	Skin sensitisation, category 1B		
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		

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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.