

HIT-ICE

Safety information for 2-Component-products

Issue date: 25/07/2023

Revision date: 25/07/2023

Supersedes: 31/01/2020

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

SECTION 2: General information

Storage

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 (GHS CA)

| | |
|--|------|
| Organic Peroxides, Type E | H242 |
| Serious eye damage/eye irritation, Category 2A | H319 |
| Skin sensitisation, Category 1 | H317 |

Label elements

GHS CA labelling

Hazard pictograms (GHS CA)



GHS02

GHS07

Signal word (GHS CA)

Warning

Hazardous ingredients

methacrylates, dibenzoyl peroxide

Hazard statements (GHS CA)

H242 - Heating may cause a fire.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.

Precautionary statements (GHS CA)

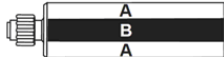
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 - Wear eye protection, protective clothing, protective gloves.
P262 - Do not get in eyes, on skin, or on clothing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

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Safety information for 2-Component-products

Additional information

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



| Name | General description | Quantity | Unit | Classification (GHS CA) |
|------------|---------------------|----------|--------------|--|
| HIT-ICE, A | | 1 | pcs (pieces) | Skin Sens. 1, H317 |
| HIT-ICE, B | | 1 | pcs (pieces) | Org. Perox. E, H242 Eye Irrit. 2A, H319 Skin Sens. 1, H317 |

SECTION 4: General advice

General advice

For professional users only

SECTION 5: Safe handling advice

General measures

Spilled material may present a slipping hazard

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

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.

For containment

Collect spillage.

Incompatible materials

Sources of ignition
Direct sunlight

Incompatible products

Strong bases
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

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Safety information for 2-Component-products

| | |
|---------------------------------------|---|
| First-aid measures after skin contact | Wash contaminated clothing before reuse. Wash with plenty of water/... |
| First-aid measures general | If skin irritation or rash occurs: Get medical advice/attention. 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. |
| Other medical advice or treatment | Treat symptomatically |

SECTION 7: Fire fighting measures

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

SECTION 8: Other information

No data available

HIT-ICE, B

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Issue date: 07/25/2023

Revision date: 07/25/2023

Supersedes: 01/31/2020

Version: 8.0

SECTION 1: Identification

1.1. Product identifier

| | |
|--------------|------------|
| Product form | Mixture |
| Product name | HIT-ICE, B |
| Product code | BU Anchor |

1.2. Recommended use and restrictions on use

| | |
|---------------------|---|
| Recommended use | Composite mortar component for fasteners in the construction industry |
| Restrictions on use | For professional use only |

1.3. Supplier

Supplier

Hilti (Canada) Corp.
2360 Meadowpine Boulevard
Mississauga, Ontario, L5N 6S2
Canada
T +1905 8139200
1-800-363-4458 toll free - F +1 905 813 9009

Department issuing data specification sheet

Hilti Entwicklungsgesellschaft mbH
Hiltistraße 6
Kaufering, 86916
Deutschland
T +49 8191 906876
anchor.hse@hilti.com

1.4. Emergency telephone number

| | |
|------------------|--|
| Emergency number | Chem-Trec |
| | Tel.: 1 800 424 9300 (USA, PR, Virgin Islands, Canada) |
| | Tel.: 703 527 3887 (Other countries) |

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

| | | |
|--|------|--------------------------------------|
| Organic Peroxides, Type E | H242 | Heating may cause a fire. |
| Serious eye damage/eye irritation, Category 2A | H319 | Causes serious eye irritation. |
| Skin sensitisation, Category 1 | H317 | May cause an allergic skin reaction. |
| Full text of H-statements: see section 16 | | |

2.2. GHS Label elements, including precautionary statements

GHS CA labelling

Hazard pictograms (GHS CA)



Signal word (GHS CA)

Warning

Hazard statements (GHS CA)

H242 - Heating may cause a fire.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.

Precautionary statements (GHS CA)

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 - Wear eye protection, protective clothing, protective gloves.
P262 - Do not get in eyes, on skin, or on clothing.



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P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P302+P352 - IF ON SKIN: Wash with plenty of water.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS CA)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Chemical name / Synonyms | Product identifier | % | Classification (GHS CA) |
|----------------------------|-------------------------------------|---------------------|---------|--|
| dibenzoyl peroxide | - | CAS-No.: 94-36-0 | 25 – 40 | Org. Perox. B, H241 Eye Irrit. 2A, H319 Skin Sens. 1, H317 |
| Quartz (SiO ₂) | quartz / quartz (SiO ₂) | CAS-No.: 14808-60-7 | 1 – 5 | Carc. 1A, H350 |

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

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

4.2. Most important symptoms and effects (acute and delayed)

| | |
|---|--------------------------------------|
| Symptoms/effects after skin contact | May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | May cause severe irritation. |
| Potential adverse human health effects and symptoms | No additional information available. |

4.3. Immediate medical attention and special treatment, if necessary

| | |
|-----------------------------------|------------------------|
| Other medical advice or treatment | Treat symptomatically. |
|-----------------------------------|------------------------|



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according to the Hazardous Products Regulation (February 11, 2015)

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media Water spray. Carbon dioxide. Dry powder. Foam. Sand.

5.2. Unsuitable extinguishing media

Unsuitable extinguishing media Do not use a heavy water stream.

5.3. Specific hazards arising from the hazardous product

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

5.4. Special protective equipment and precautions for fire-fighters

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.

6.2. Methods and materials 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.

6.3. Reference to other sections

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

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.

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

Storage temperature 5 – 25 °C

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.

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8.2. Appropriate engineering controls

| | |
|----------------------------------|-----------------------------------|
| Appropriate engineering controls | Ensure adequate ventilation. |
| Environmental exposure controls | Avoid release to the environment. |

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

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

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.

| Type | Material | Permeation | Thickness (mm) | Penetration |
|-------------------|----------------------|-------------------|----------------|-------------|
| Disposable gloves | Nitrile rubber (NBR) | 6 (> 480 minutes) | 0,12 | |

Eye protection:

Wear security glasses which protect from splashes

| Type | Field of application | Characteristics |
|----------------|----------------------|-----------------|
| Safety glasses | Droplet | clear |

Personal protective equipment symbol(s):



Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|--------------------|
| Physical state | Solid |
| Appearance | Thixotropic paste. |
| Colour | white |
| Odour | characteristic |
| Odour threshold | Not determined |
| pH | No data available |
| Relative evaporation rate (butylacetate=1) | No data available |
| Relative evaporation rate (ether=1) | No data available |
| Melting point | No data available |
| Freezing point | ≥ -25 °C |
| Boiling point | No data available |
| Flash point | No data available |
| Auto-ignition temperature | Not self-igniting |
| Decomposition temperature | No data available |
| Flammability (solid, gas) | Flammable |
| Vapour pressure | No data available |
| Relative vapour density at 20°C | No data available |



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| | |
|---|---|
| Relative density | No data available |
| Density | 1.35 g/ml DIN 51757 |
| Solubility | Water: Not miscible |
| Partition coefficient n-octanol/water (Log Pow) | No data available |
| Viscosity, kinematic | No data available |
| Viscosity, dynamic | 55 – 95 mPa·s (HN 570-1) |
| Explosive properties | Heating may cause a fire. |
| Oxidising properties | May cause fire or explosion; strong oxidiser. |
| Explosive limits | No data available |

9.2. Other information

| | |
|------|---------|
| SADT | > 50 °C |
|------|---------|

SECTION 10: Stability and reactivity

| | |
|------------------------------------|---|
| Reactivity | No additional information available |
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | No additional information available. |
| Conditions to avoid | Direct sunlight. Extremely high or low temperatures. |
| Incompatible materials | Strong acids. Strong bases. |
| Hazardous decomposition products | fume. Carbon monoxide. Carbon dioxide. Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Hardening time: | No additional information available |

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------------|--------------------------------------|
| Acute toxicity (oral) | Not classified |
| Acute toxicity (dermal) | Not classified |
| Acute toxicity (inhalation) | Not classified |
| Skin corrosion/irritation | Not classified |
| Serious eye damage/irritation | Causes serious eye irritation. |
| Respiratory or skin sensitization | May cause an allergic skin reaction. |
| Germ cell mutagenicity | Not classified |
| Carcinogenicity | Not classified |

Quartz (SiO₂) (14808-60-7)

| | |
|--|----------------------------|
| IARC group | 1 - Carcinogenic to humans |
| National Toxicology Program (NTP) Status | Known Human Carcinogens |

dibenzoyl peroxide (94-36-0)

| | |
|------------|----------------------|
| IARC group | 3 - Not classifiable |
|------------|----------------------|

| | |
|---|--------------------------------------|
| Reproductive toxicity | Not classified |
| STOT-single exposure | Not classified |
| STOT-repeated exposure | Not classified |
| Aspiration hazard | Not classified |
| Potential adverse human health effects and symptoms | No additional information available. |
| Symptoms/effects after skin contact | May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | May cause severe irritation. |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|----------------|
| Hazardous to the aquatic environment, short-term (acute) | Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | Not classified |

| | |
|------------------------------|--|
| 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 chronic fish | 0.001 mg/l |
| NOEC (acute) | 0.0316 mg/l (96h; Oncorhynchus mykiss; ECHA) |

12.2. Persistence and degradability

| | |
|---|--|
| HIT-ICE, B | |
| Persistence and degradability | Not established. |
| Quartz (SiO ₂) (14808-60-7) | |
| Not rapidly degradable | |
| Persistence and degradability | Biodegradability: not applicable. |
| Chemical oxygen demand (COD) | Not applicable (inorganic) |
| ThOD | Not applicable (inorganic) |
| 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. |
| Quartz (SiO ₂) (14808-60-7) | |
| Bioaccumulative potential | No bioaccumulation data available. |
| dibenzoyl peroxide (94-36-0) | |
| Bioaccumulative potential | Low bioaccumulation potential (Log Kow < 4). |
| Partition coefficient n-octanol/water (Log Pow) | 3.71 |

12.4. Mobility in soil

| | |
|---|-------------------------------------|
| Quartz (SiO ₂) (14808-60-7) | |
| Surface tension | No data available in the literature |
| Ecology - soil | Low potential for mobility in soil. |

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| | |
|--|--|
| dibenzoyl peroxide (94-36-0) | |
| Surface tension | No data available (test not performed) |
| Ecology - soil | Low potential for mobility in soil. |
| 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) |

12.5. Other adverse effects

| | |
|-------------------|-----------------------------------|
| Ozone | Not classified |
| Other information | Avoid release to the environment. |

SECTION 13: Disposal considerations

13.1. Disposal 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. |

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID

| ADR | IMDG | IATA | RID |
|--|--|---|---|
| 14.1. UN number or ID number | | | |
| UN 3108 | UN 3108 | UN 3108 | UN 3108 |
| 14.2. UN proper shipping name | | | |
| ORGANIC PEROXIDE TYPE E, SOLID (dibenzoyl peroxide) | ORGANIC PEROXIDE TYPE E, SOLID (dibenzoyl peroxide) | Organic peroxide type E, solid (dibenzoyl peroxide) | ORGANIC PEROXIDE TYPE E, SOLID (dibenzoyl peroxide) |
| Transport document description | | | |
| UN 3108 ORGANIC PEROXIDE TYPE E, SOLID (dibenzoyl peroxide), 5.2, (D), ENVIRONMENTALLY HAZARDOUS | UN 3108 ORGANIC PEROXIDE TYPE E, SOLID (dibenzoyl peroxide), 5.2, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS | 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 |
| 14.3. Transport hazard class(es) | | | |
| 5.2 | 5.2 | 5.2 | 5.2 |
| | | | |
| 14.4. Packing group | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |



HIT-ICE, B

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

| ADR | IMDG | IATA | RID |
|--|---|------------------------------------|------------------------------------|
| 14.5. Environmental hazards | | | |
| 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 available | | | |

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 |
| 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. National regulations

| | |
|-----------------------|---|
| HIT-ICE, B | |
| Canada DSL NDSL Flags | All components of this product are listed, or excluded from listing, on the Canadian Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL) |



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Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Quartz (SiO₂) (14808-60-7)

Listed on the Canadian DSL (Domestic Substances List)

dibenzoyl peroxide (94-36-0)

Listed on the Canadian DSL (Domestic Substances List)

SECTION 16: Other information

Issue date 07-25-2023
Revision date 07-25-2023
Supersedes 01-31-2020

| Indication of changes | | | |
|-----------------------|--|----------|----------|
| Section | Changed item | Change | Comments |
| 2.1 | Classification (GHS CA) | Modified | |
| 2.2 | Hazard pictograms (GHS CA) | Removed | |
| 2.2 | Hazard statements (GHS CA) | Removed | |
| 3.2 | Composition/information on ingredients | Modified | |

Other information None.

| Full text of H-statements: | |
|----------------------------|--|
| H241 | Heating may cause a fire or explosion. |
| H242 | Heating may cause a fire. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H350 | May cause cancer. |

| 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 |



HIT-ICE, B

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

| Abbreviations and acronyms: | |
|-----------------------------|---|
| 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 |

SDS_CA_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.

HIT-ICE, A

Safety Data Sheet

according to the Hazardous Products Regulation (February 11, 2015)

Issue date: 07/25/2023

Revision date: 07/25/2023

Supersedes: 01/31/2020

Version: 6.5

SECTION 1: Identification

1.1. Product identifier

| | |
|--------------|------------|
| Product form | Mixture |
| Product name | HIT-ICE, A |
| Product code | BU Anchor |

1.2. Recommended use and restrictions on use

| | |
|---------------------|---|
| Recommended use | Composite mortar component for fasteners in the construction industry |
| Restrictions on use | For professional use only |

1.3. Supplier

Supplier

Hilti (Canada) Corp.
2360 Meadowpine Boulevard
Mississauga, Ontario, L5N 6S2
Canada
T +1905 8139200
1-800-363-4458 toll free - F +1 905 813 9009

Department issuing data specification sheet

Hilti Entwicklungsgesellschaft mbH
Hiltistraße 6
Kaufering, 86916
Deutschland
T +49 8191 906876
anchor.hse@hilti.com

1.4. Emergency telephone number

| | |
|------------------|--|
| Emergency number | Chem-Trec |
| | Tel.: 1 800 424 9300 (USA, PR, Virgin Islands, Canada) |
| | Tel.: 703 527 3887 (Other countries) |

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA)

| | | |
|---|------|--------------------------------------|
| Skin sensitisation, Category 1 | H317 | May cause an allergic skin reaction. |
| Full text of H-statements: see section 16 | | |

2.2. GHS Label elements, including precautionary statements

GHS CA labelling

Hazard pictograms (GHS CA)



Signal word (GHS CA)

Warning

Hazard statements (GHS CA)

Precautionary statements (GHS CA)

H317 - May cause an allergic skin reaction.
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.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 - If eye irritation persists: Get medical advice/attention.
P302+P352 - IF ON SKIN: Wash with plenty of water.



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2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS CA)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Chemical name / Synonyms | Product identifier | % | Classification (GHS CA) |
|---|---|---------------------|---------|---|
| Quartz (SiO ₂) | quartz / quartz (SiO ₂) | CAS-No.: 14808-60-7 | 40 – 60 | Carc. 1A, H350 |
| Ethoxylated Bisphenol A Dimethacrylate | bisphenol A ethoxylate (2 EO/phenol) dimethacrylate, technical, average MW=540 / poly(oxy-1,2- ethanediyl), alpha, alpha'-[(1- methylethylidene) di-4,1- phenylene]bis[om ega-[(2-methyl-1- oxo-2- propenyl)oxy]- | CAS-No.: 41637-38-1 | 10 – 25 | Aquatic Chronic 4, H413 |
| 1,6-hexanediyl bismethacrylate | 1,6-HDDMA / 1,6- hexanediyl bis(2- methacrylate) / 2- methyl-1,6- hexanediyl-2- propanoate / 2- propenoic acid, 2- methyl-, 1,6- hexanediyl ester | CAS-No.: 6606-59-3 | 5 – 10 | Not classified |
| 2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol | 1,2-propanediol, 2-methyl, monomethacrylat e / 2-propenoic acid, 2-methyl-, 2- hydroxymethyleth yl ester / hydroxypropyl methacrylate (HPMA) | CAS-No.: 27813-02-1 | 5 – 10 | Eye Irrit. 2A, H319 Skin Sens. 1, H317 |
| 1,1,1-Trimethylolpropane trimethacrylate | TMPTMA | CAS-No.: 3290-92-4 | 2.5 – 5 | Not classified |

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| Name | Chemical name / Synonyms | Product identifier | % | Classification (GHS CA) |
|----------------------------------|---|---------------------|---------|--|
| 1,1'-(p-tolylimino)dipropen-2-ol | DiPpT | CAS-No.: 38668-48-3 | 0.1 – 1 | Acute Tox. 2 (Oral), H300 Eye Irrit. 2A, H319 |
| Methyl methacrylate | methyl methacrylate; methyl 2-methylprop-2-enoate; methyl 2-methylpropenoate 2-(methoxycarbonyl)-1-propene / 2-methyl-2-propenoic acid, methyl ester / 2-methylpropenoic acid methyl ester | CAS-No.: 80-62-6 | 0.1 – 1 | Flam. Liq. 2, H225 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335 |

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

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

4.2. Most important symptoms and effects (acute and delayed)

| | |
|---|--------------------------------------|
| Symptoms/effects after skin contact | May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | May cause severe irritation. |
| Potential adverse human health effects and symptoms | No additional information available. |

4.3. Immediate medical attention and special treatment, if necessary

| | |
|-----------------------------------|------------------------|
| Other medical advice or treatment | Treat symptomatically. |
|-----------------------------------|------------------------|

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

| | |
|------------------------------|--|
| Suitable extinguishing media | Water spray. Carbon dioxide. Dry powder. Foam. Sand. |
|------------------------------|--|

5.2. Unsuitable extinguishing media

| | |
|--------------------------------|----------------------------------|
| Unsuitable extinguishing media | Do not use a heavy water stream. |
|--------------------------------|----------------------------------|

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5.3. Specific hazards arising from the hazardous product

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

5.4. Special protective equipment and precautions for fire-fighters

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.

6.2. Methods and materials 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.

6.3. Reference to other sections

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

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.

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

Storage temperature 5 – 25 °C

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.

8.2. Appropriate engineering controls

Appropriate engineering controls Ensure adequate ventilation.

Environmental exposure controls Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

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

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| 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. | | | | |
| Type | Material | Permeation | Thickness (mm) | Penetration |
| Disposable gloves | Nitrile rubber (NBR) | 6 (> 480 minutes) | 0,12 | |

| Eye protection: | | |
|---|----------------------|-----------------|
| Wear security glasses which protect from splashes | | |
| Type | Field of application | Characteristics |
| Safety glasses | Droplet | clear |

Personal protective equipment symbol(s):



Other information:

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|---|---------------------------|
| Physical state | Solid |
| Appearance | Thixotropic paste. |
| Colour | Grey |
| Odour | characteristic |
| Odour threshold | Not determined |
| pH | No data available |
| Relative evaporation rate (butylacetate=1) | No data available |
| Relative evaporation rate (ether=1) | No data available |
| Melting point | No data available |
| Freezing point | No data available |
| Boiling point | No data available |
| Flash point | No data available |
| Auto-ignition temperature | Not self-igniting |
| Decomposition temperature | No data available |
| Flammability (solid, gas) | Flammable |
| Vapour pressure | No data available |
| Relative vapour density at 20°C | No data available |
| Relative density | No data available |
| Density | 1.69 g/ml DIN 51757 |
| Solubility | Water: Not miscible |
| Partition coefficient n-octanol/water (Log Pow) | No data available |
| Viscosity, kinematic | 32544.379 mm²/s |
| Viscosity, dynamic | 55 Pa·s HN-0333 |
| Explosive properties | Product is not explosive. |



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Explosive limits No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

| | |
|------------------------------------|---|
| Reactivity | No additional information available |
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | No additional information available. |
| Conditions to avoid | Direct sunlight. Extremely high or low temperatures. |
| Incompatible materials | Strong acids. Strong bases. |
| Hazardous decomposition products | fume. Carbon monoxide. Carbon dioxide. Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
| Hardening time: | No additional information available |

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------|----------------|
| Acute toxicity (oral) | Not classified |
| Acute toxicity (dermal) | Not classified |
| Acute toxicity (inhalation) | Not classified |

| | |
|--|--|
| Ethoxylated Bisphenol A Dimethacrylate (41637-38-1) | |
| LD50 oral rat | > 2000 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |
| 1,6-hexanediyl 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 | > 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) |
| 1,1,1-Trimethylolpropane trimethacrylate (3290-92-4) | |
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rat | > 3000 mg/kg |
| 1,1'-(p-tolylimino)dipropyl-2-ol (38668-48-3) | |
| LD50 oral rat | 25 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |
| Methyl methacrylate (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) |



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| | |
|-----------------------------------|--------------------------------------|
| Skin corrosion/irritation | Not classified |
| Serious eye damage/irritation | Not classified |
| Respiratory or skin sensitization | May cause an allergic skin reaction. |
| Germ cell mutagenicity | Not classified |
| Carcinogenicity | Not classified |

Quartz (SiO₂) (14808-60-7)

| | |
|--|----------------------------|
| IARC group | 1 - Carcinogenic to humans |
| National Toxicology Program (NTP) Status | Known Human Carcinogens |

Methyl methacrylate (80-62-6)

| | |
|-----------------------|----------------------|
| IARC group | 3 - Not classifiable |
| Reproductive toxicity | Not classified |
| STOT-single exposure | Not classified |

Methyl methacrylate (80-62-6)

| | |
|------------------------|-----------------------------------|
| STOT-single exposure | May cause respiratory irritation. |
| STOT-repeated exposure | Not classified |
| Aspiration hazard | Not classified |

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| | |
|---|--------------------------------------|
| Viscosity, kinematic | 32544.379 mm ² /s |
| Potential adverse human health effects and symptoms | No additional information available. |
| Symptoms/effects after skin contact | May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | May cause severe irritation. |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|----------------|
| Hazardous to the aquatic environment, short-term (acute) | Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | Not classified |

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-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) |



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| | |
|--|---|
| 2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1) | |
| 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)dipropen-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 |
| Methyl methacrylate (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. |
| Quartz (SiO ₂) (14808-60-7) | |
| Not rapidly degradable | |
| Persistence and degradability | Biodegradability: not applicable. |
| Chemical oxygen demand (COD) | Not applicable (inorganic) |
| ThOD | Not applicable (inorganic) |
| 2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1) | |
| Not rapidly degradable | |



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| | |
|--|------------------------------------|
| 2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1) | |
| Persistence and degradability | Readily biodegradable in water. |
| Methyl methacrylate (80-62-6) | |
| Biochemical oxygen demand (BOD) | 0.14 g O ₂ /g substance |
| ThOD | 1.9 g O ₂ /g substance |

12.3. Bioaccumulative potential

| | |
|--|--|
| HIT-ICE, A | |
| Bioaccumulative potential | Not established. |
| Quartz (SiO ₂) (14808-60-7) | |
| Bioaccumulative potential | No bioaccumulation data available. |
| Ethoxylated Bisphenol A Dimethacrylate (41637-38-1) | |
| 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) | |
| 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) | |
| Bioaccumulative potential | Low bioaccumulation potential (BCF < 500). |
| 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) |
| 1,1,1-Trimethylolpropane trimethacrylate (3290-92-4) | |
| 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)dipropen-2-ol (38668-48-3) | |
| Partition coefficient n-octanol/water (Log Kow) | 2.1 |
| Methyl methacrylate (80-62-6) | |
| Bioaccumulative potential | Low bioaccumulation potential (Log Kow < 4). |
| 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) |

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12.4. Mobility in soil

| Quartz (SiO ₂) (14808-60-7) | |
|--|---|
| Surface tension | No data available in the literature |
| Ecology - soil | Low potential for mobility in soil. |
| Ethoxylated Bisphenol A Dimethacrylate (41637-38-1) | |
| Ecology - soil | Low potential for adsorption in soil. |
| Organic Carbon Normalized Adsorption Coefficient (Log K _{oc}) | 2.56 (2.56 – 3.88) |
| 1,6-hexanediyl bismethacrylate (6606-59-3) | |
| Ecology - soil | Low potential for adsorption in soil. |
| Organic Carbon Normalized Adsorption Coefficient (Log K _{oc}) | 2.7 (log K _{oc} , OECD 121: Estimation of the Adsorption Coefficient (K _{oc}) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP) |
| 2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1) | |
| Ecology - soil | Highly mobile in soil. |
| Organic Carbon Normalized Adsorption Coefficient (Log K _{oc}) | 1.9 (log K _{oc} , Calculated value) |
| 1,1,1-Trimethylolpropane trimethacrylate (3290-92-4) | |
| 1,1'-(p-tolylimino)dipropen-2-ol (38668-48-3) | |
| Methyl methacrylate (80-62-6) | |
| Surface tension | 61 mN/m (OECD 115: Surface Tension of Aqueous Solutions) |
| Ecology - soil | Highly mobile in soil. |
| Organic Carbon Normalized Adsorption Coefficient (Log K _{oc}) | 0.94 – 1.86 (log K _{oc} , EPA OTS 796.2750: Sediment and Soil Adsorption Isotherm, Experimental value, GLP) |

12.5. Other adverse effects

| | |
|-------------------|-----------------------------------|
| Ozone | Not classified |
| Other information | Avoid release to the environment. |

SECTION 13: Disposal considerations

13.1. Disposal 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. |

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID



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

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. National regulations

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Canada DSL NDSL Flags

All components of this product are listed, or excluded from listing, on the Canadian Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

Quartz (SiO₂) (14808-60-7)

Listed on the Canadian DSL (Domestic Substances List)

Ethoxylated Bisphenol A Dimethacrylate (41637-38-1)

Listed on the Canadian DSL (Domestic Substances List)



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1,6-hexanediyl bismethacrylate (6606-59-3)

Listed on the Canadian NDSL (Non-Domestic Substances List)

2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1)

Listed on the Canadian DSL (Domestic Substances List)

1,1,1-Trimethylolpropane trimethacrylate (3290-92-4)

Listed on the Canadian DSL (Domestic Substances List)

1,1'-(p-tolylimino)dipropen-2-ol (38668-48-3)

Listed on the Canadian DSL (Domestic Substances List)

Methyl methacrylate (80-62-6)

Listed on the Canadian DSL (Domestic Substances List)

SECTION 16: Other information

| | |
|-----------------|------------|
| SDS Major/Minor | None |
| Issue date | 07-25-2023 |
| Revision date | 07-25-2023 |
| Supersedes | 01-31-2020 |

| | |
|-------------------|-------|
| Other information | None. |
|-------------------|-------|

Full text of H-statements:

| | |
|------|---|
| 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. |
| H350 | May cause cancer. |
| H413 | May cause long lasting harmful effects to aquatic life. |

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 |



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| Abbreviations and acronyms: | |
|-----------------------------|---|
| 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 |

SDS_CA_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.