

# HIT-HY 70

## Safety information for 2-Component-products

Date of issue: 16/11/2018

Revision date: 16/11/2018

Supersedes: 08/12/2015

Version: 10.0

### SECTION 1: Kit identification

#### 1.1 Product identifier

Trade name

HIT-HY 70



Product code

BU Anchor

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

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

### 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)

Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2A	H319
Skin sensitisation, Category 1	H317
Reproductive toxicity, Category 1B	H360
Hazardous to the aquatic environment — Acute Hazard, Category 1	H400
Hazardous to the aquatic environment — Chronic Hazard, Category 1	H410

#### Label elements

##### GHS CA labelling

Hazard pictograms (GHS CA)



GHS07

GHS08

GHS09

Signal word (GHS CA)

Danger

Hazardous ingredients

methacrylates, dibenzoyl peroxide

Hazard statements (GHS CA)

H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H360 - May damage fertility or the unborn child.  
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (GHS CA)

P280 - Wear eye protection, protective clothing, protective gloves.  
P262 - Do not get in eyes, on skin, or on clothing.

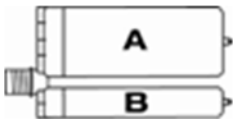
# HIT-HY 70

## Safety information for 2-Component-products

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.

### Additional information

2-Component-foilpack, contains:  
 Component A: Urethane methacrylate resin, inorganic filler  
 Component B: Dibenzoyl peroxide, phlegmatized



Name	General description	Quantity	Unit	Classification (GHS CA)
HIT-HY 70, A		1	pcs	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Repr. 1B, H360 Aquatic Acute 3, H402 Aquatic Chronic 3, H412
HIT-HY 70, B		1	pcs	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

### 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 Drink plenty of water Get medical advice/attention.

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## Safety information for 2-Component-products

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First-aid measures after inhalation	Do not induce vomiting Obtain emergency medical attention Remove person to fresh air and keep comfortable for breathing. Assure fresh air breathing 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.
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-HY 70, B

## Safety Data Sheet

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

Date of issue: 11/16/2018

Revision date: 11/16/2018

Supersedes: 12/07/2015

Version: 10.0

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

#### 1.1. Product identifier

Product form	Mixture
Product name	HIT-HY 70, B
Product code	BU Anchor

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

No additional information available

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

**Supplier**

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

**Department issuing data specification sheet**

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86916 Kaufering - Deutschland  
T +49 8191 906310 - F +49 8191 90176310  
[anchor.hse@hilti.com](mailto: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)
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification (GHS CA)**

Skin Sens. 1	H317
Aquatic Acute 1	H400
Aquatic Chronic 1	H410
Full text of H statements : see section 16	

#### 2.2. Label elements

**GHS CA labelling**

Hazard pictograms (GHS CA)



GHS07

GHS09

Signal word (GHS CA)

Warning

Hazard statements (GHS CA)

H317 - May cause an allergic skin reaction.  
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (GHS CA)

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.

#### 2.3. Other hazards

No additional information available

# HIT-HY 70, B

## Safety Data Sheet

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

### 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 <sub>2</sub> )		(CAS-No.) 14808-60-7	40 - 60	Carc. 1A, H350
dibenzoyl peroxide	dibenzoyl peroxide; benzoyl peroxide	(CAS-No.) 94-36-0	5 - 10	Org. Perox. B, H241 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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 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. Assure fresh air breathing. 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. Drink plenty of water. 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. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment	Treat symptomatically.
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## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

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

No additional information available

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## Safety Data Sheet

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

### 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.
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### 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.
Storage temperature	5 - 25 °C
Heat and ignition sources	Keep away from heat and direct sunlight.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

dibenzoyl peroxide (94-36-0)		
Alberta	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
Alberta	Notations and remarks	URT & skin irr
British Columbia	OEL TWA (mg/m <sup>3</sup> )	5 mg/m <sup>3</sup>
British Columbia	Notations and remarks	URT & skin irr

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

Environmental exposure controls	Avoid release to the environment.
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## Safety Data Sheet

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

### 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.

Eye protection

Wear security glasses which protect from splashes.

Skin and body protection

Wear suitable protective clothing.

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.

## 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	≈ 6
Relative evaporation rate (butylacetate=1)	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	> 100 °C
Auto-ignition temperature	Not self-igniting
Decomposition temperature	No data available
Flammability (solid, gas)	Non flammable.
Vapour pressure	No data available
Relative vapour density at 20 °C	No data available
Relative density	No data available
Density	1.7 g/cm <sup>3</sup> (DIN 51757)
Solubility	Water: Miscible with water
Log Pow	No data available
Viscosity, kinematic	No data available
Viscosity, dynamic	70 - 110 Pa.s HN-0333
Explosive properties	Product is not explosive.
Oxidising properties	No data available
Explosive limits	No data available

### 9.2. Other information

SADT	65 °C
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## Safety Data Sheet

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

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

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.

### 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 pH: ≈ 6
Serious eye damage/irritation	Not classified pH: ≈ 6
Respiratory or skin sensitization	May cause an allergic skin reaction.
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
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	Based on available data, the classification criteria are not met.
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

<b>dibenzoyl peroxide (94-36-0)</b>	
EC50 Daphnia 1	0.11 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)
LC50 fish 2	0.0602 mg/l (96h; Oncorhynchus mykiss; ECHA)
NOEC (acute)	0.0316 mg/l (96h; Oncorhynchus mykiss; ECHA)
NOEC chronic fish	< 0.001

#### 12.2. Persistence and degradability

<b>HIT-HY 70, B</b>	
Persistence and degradability	Not established.
<b>dibenzoyl peroxide (94-36-0)</b>	
Persistence and degradability	Readily biodegradable in water. Not established. May cause long-term adverse effects in the environment.



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## Safety Data Sheet

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

### 12.3. Bioaccumulative potential

<b>HIT-HY 70, B</b>	
Bioaccumulative potential	Not established.
<b>dibenzoyl peroxide (94-36-0)</b>	
Log Pow	3.71
Bioaccumulative potential	Low bioaccumulation potential (Log Kow < 4).

### 12.4. Mobility in soil

<b>dibenzoyl peroxide (94-36-0)</b>	
Log Koc	3.8 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)
Ecology - soil	Adsorbs into the soil.

### 12.5. Other adverse effects

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 / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	RID
<b>14.1. UN number</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.2. UN proper shipping name</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>			
Not regulated	Not regulated	Not regulated	Not regulated
Environmentally hazardous substances derogation applies (quantity of liquids $\leq$ 5 litres or net mass of solids $\leq$ 5 kg)			
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

Special provisions (ADR): 375

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## Safety Data Sheet

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

### - Transport by sea

No data available

### - Air transport

Special provisions (IATA) A197

### - Rail transport

Carriage prohibited (RID) No

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

## SECTION 15: Regulatory information

### 15.1. National regulations

#### Quartz (SiO<sub>2</sub>) (14808-60-7)

Listed on the Canadian DSL (Domestic Substances List)

### 15.2. International regulations

#### Quartz (SiO<sub>2</sub>) (14808-60-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### dibenzoyl peroxide (94-36-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

## SECTION 16: Other information

Date of issue 11-16-2018

Revision date 11-16-2018

Supersedes 12-07-2015

Indication of changes:

Section	Changed item	Change	Comments
2.1	Classification (GHS CA)	Added	
2.2	Hazard statements (GHS CA)	Modified	
3	Composition/information on ingredients	Modified	

Other information None.

Full text of H-statements:

H241	Heating may cause a fire or explosion.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H350	May cause cancer.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

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-HY 70, A

## Safety Data Sheet

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

Date of issue: 11/16/2018

Revision date: 11/16/2018

Supersedes: 12/07/2015

Version: 10.0

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

#### 1.1. Product identifier

Product form	Mixture
Product name	HIT-HY 70, A
Product code	BU Anchor

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

No additional information available

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

**Supplier**

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

**Department issuing data specification sheet**

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[anchor.hse@hilti.com](mailto: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)
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification (GHS CA)**

Skin Irrit. 2	H315
Eye Irrit. 2A	H319
Skin Sens. 1	H317
Repr. 1	H360
Aquatic Acute 3	H402
Aquatic Chronic 3	H412
Full text of H statements : see section 16	

#### 2.2. Label elements

**GHS CA labelling**

Hazard pictograms (GHS CA)



GHS07

GHS08

Signal word (GHS CA)

Danger

Hazard statements (GHS CA)

H315 - Causes skin irritation.  
H317 - May cause an allergic skin reaction.  
H319 - Causes serious eye irritation.  
H360 - May damage fertility or the unborn child.  
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements (GHS CA)

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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## Safety Data Sheet

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

### 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 <sub>2</sub> )		(CAS-No.) 14808-60-7	25 - 40	Carc. 1A, H350
2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol	1,2-propanediol, 2-methyl, monomethacrylate / 2-propenoic acid, 2-methyl-, 2-hydroxymethylethyl ester / 2-propenoic acid, 2-methyl-, monoester with 1,2-propanediol / hydroxypropyl methacrylate / methacrylic acid, ester with 1,2-propanediol / methacrylic acid, monoester with 1,2-propanediol / methacrylic acid, monoester with propane-1,2-diol / propylene glycol monomethacrylate / ROCRYL 410	(CAS-No.) 27813-02-1	10 - 25	Eye Irrit. 2A, H319 Skin Sens. 1, H317
Bisphenol-A-diethoxymethacrylate		(CAS-No.) 24448-20-2	5 - 10	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
Tricyclodecane dimethanol dimethacrylate		(CAS-No.) 43048-08-4	2.5 - 5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
1,1,1-Trimethylolpropane trimethacrylate		(CAS-No.) 3290-92-4	2.5 - 5	Not classified
1,1'-(p-tolylimino)dipropan-2-ol	DiPpT	(CAS-No.) 38668-48-3	0.1 - 1	Acute Tox. 2 (Oral), H300 Eye Irrit. 2A, H319
boric acid	boric acid basilit B / boracic acid / boric acid / boric acid (H <sub>3</sub> BO <sub>3</sub> ) / borofax / boron trihydroxide / dr.'s 1 flea terminator DF / dr.'s 1 flea terminator DFPBO / dr.'s 1 flea terminator DT / dr.'s 1 flea terminator DTPBO / E284 / epa pesticide code 011001 / flea prufe / LUCHEM AT / OPTIBOR NF / OPTIBOR SP / OPTIBOR SQ / OPTIBOR TG / OPTIBOR TP / ortho-boric acid / sassolite / super flea eliminator / three elephant / trihydroxyborone	(CAS-No.) 10043-35-3	0.1 - 1	Repr. 1B, H360

# HIT-HY 70, A

## Safety Data Sheet

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

Name	Chemical name / Synonyms	Product identifier	%	Classification (GHS CA)
4-tert-butylpyrocatechol	(dimethyl-1,1 ethyl)-4 dihydroxy-1,2 benzene / 1,2-benzenediol, 4-(1,1-dimethylethyl)- / 4-(1,1-dimethylethyl)-1,2-benzenediol / 4,6-butylcatechol / 4-TBC / 4-t-butylcatechol / 4-t-butylpyrocatechol / 4-tert-butyl-1,2-benzenediol / 4-tert-butyl-1,2-dihydroxybenzene / 4-tert-butylcatechol / 4-tert-butylpyrocatechol / 4-tert-butylpyrokatechin / 4-tertiary butylcatechol / 4-tertiary-butyl-1,2-benzediol / 4-tertiary-butyl-1,2-dihydroxybenzene / 4-tertiary-butylcatechin / 4-tertiary-butylcatechol / 4-tertiary-butylpyrocatechol / para-tertiary-butylcatechol / para-tertiary-butylpyrocatechol / p-t-butyl catechol / p-t-butylpyrocatechol / pyrocatechol, 4-tert-butyl- / synox TBC / TBC (=4-tert-butylcatechol)	(CAS-No.) 98-29-3	0.1 - 1	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Skin Corr. 1B, H314 Skin Sens. 1, H317

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 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. Assure fresh air breathing. 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. Drink plenty of water. 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. Immediate medical attention and special treatment, if necessary

Other medical advice or treatment	Treat symptomatically.
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## SECTION 5: Fire-fighting measures

### 5.1. Suitable extinguishing media

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

No additional information available

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### 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.
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### 6.2. Methods and materials for containment and cleaning up

For containment	Collect spillage.
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

No additional information available

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

Incompatible products	Strong bases. Strong acids.
Incompatible materials	Sources of ignition. Direct sunlight.
Heat and ignition sources	Keep away from heat and direct sunlight.

## 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

Environmental exposure controls	Avoid release to the environment.
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### 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.
Eye protection	Wear security glasses which protect from splashes.
Skin and body protection	Wear suitable protective clothing.
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.

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### 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	≈ 8 Not applicable.
Relative evaporation rate (butylacetate=1)	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	> 100 °C
Auto-ignition temperature	Not self-igniting
Decomposition temperature	No data available
Flammability (solid, gas)	Non flammable.
Vapour pressure	No data available
Relative vapour density at 20 °C	No data available
Relative density	No data available
Density	1.65 g/cm <sup>3</sup>
Solubility	insoluble in water. Water: Not miscible
Log Pow	No data available
Viscosity, kinematic	≈ 20 Seconds
Viscosity, dynamic	65 - 95 Pa.s
Explosive properties	Product is not explosive.
Oxidising properties	No data available
Explosive limits	No data available

#### 9.2. Other information

No additional information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Incompatible materials Strong acids. Strong bases.

### 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

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)

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<b>1,1,1-Trimethylolpropane trimethacrylate (3290-92-4)</b>	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 3000 mg/kg
<b>1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3)</b>	
LD50 oral rat	25 mg/kg
LD50 dermal rat	> 2000 mg/kg
<b>4-tert-butylpyrocatechol (98-29-3)</b>	
LD50 oral rat	815 mg/kg bodyweight (Rat; Lethal; ECHA)
LD50 oral	2820 mg/kg
LD50 dermal rat	1331 mg/kg bodyweight (Rat; Lethal; ECHA)
LD50 dermal	630 mg/kg
<b>boric acid (10043-35-3)</b>	
LD50 oral rat	2660 mg/kg (Rat; OECD 401: Acute Oral Toxicity; Literature study; >2600 mg/kg bodyweight; Rat; Experimental value)
LD50 oral	2660 mg/kg
LD50 dermal rabbit	> 2000 mg/kg Rabbit; Experimental value; FIFRA (40 CFR)
LC50 inhalation rat (mg/l)	> 2.12 mg/l air (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male/female, Experimental value, Inhalation (dust))

Skin corrosion/irritation	Causes skin irritation. pH: ≈ 8 Not applicable.
Serious eye damage/irritation	Causes serious eye irritation. pH: ≈ 8 Not applicable.
Respiratory or skin sensitization	May cause an allergic skin reaction.
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	May damage fertility or the unborn child.
STOT-single exposure	Not classified
STOT-repeated exposure	Not classified
Aspiration hazard	Not classified
Potential adverse human health effects and symptoms	Based on available data, the classification criteria are not met.
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

<b>2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1)</b>	
LC50 fish 1	493 mg/l (48 h; Leuciscus idus; GLP)
EC50 Daphnia 1	> 143 mg/l (48 h; Daphnia magna; 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)
<b>1,1,1-Trimethylolpropane trimethacrylate (3290-92-4)</b>	
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
<b>1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3)</b>	
LC50 fish 1	≈ 17 mg/l
LC50 other aquatic organisms 1	245 mg/l
EC50 Daphnia 1	28.8 mg/l
NOEC (acute)	57.8 mg/l
<b>4-tert-butylpyrocatechol (98-29-3)</b>	
LC50 fish 1	0.12 mg/l (96 h, Danio rerio, Lethal, ECHA)
EC50 Daphnia 1	> µg/l
ErC50 (algae)	10.17 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata,



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	Static system, Fresh water, Experimental value, GLP)
<b>boric acid (10043-35-3)</b>	
LC50 fish 1	447 mg/l
EC50 Daphnia 1	658 - 875 mg/l (48 h; Daphnia magna)
LC50 fish 2	79 ppm (96 h; Salmo gairdneri (Oncorhynchus mykiss); Hard water)
EC50 Daphnia 2	19.7 mg/l (336 h; Daphnia magna)
ErC50 (algae)	290 mg/l
NOEC chronic fish	2.1 mg/l

### 12.2. Persistence and degradability

<b>HIT-HY 70, A</b>	
Persistence and degradability	Not established.
<b>2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1)</b>	
Persistence and degradability	Readily biodegradable in water.
<b>4-tert-butylpyrocatechol (98-29-3)</b>	
Persistence and degradability	Not readily biodegradable in water. Inherently biodegradable.
ThOD	2.4 g O <sub>2</sub> /g substance

### 12.3. Bioaccumulative potential

<b>HIT-HY 70, A</b>	
Bioaccumulative potential	Not established.
<b>2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1)</b>	
BCF fish 1	<= 100
BCF fish 2	3.2 Quantitative structure-activity relationship (QSAR)
Log Pow	0.97 (OECD 102 method)
Bioaccumulative potential	Low bioaccumulation potential (BCF < 500).
<b>1,1,1-Trimethylolpropane trimethacrylate (3290-92-4)</b>	
BCF fish 2	366 l/kg
Log Pow	3.53
Log Kow	4.39
<b>1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3)</b>	
BCF fish 1	≈
Log Kow	2.1
<b>4-tert-butylpyrocatechol (98-29-3)</b>	
Log Pow	1.98 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
<b>boric acid (10043-35-3)</b>	
BCF fish 2	< 0.1 (60 days; Oncorhynchus tshawytscha; Fresh weight)
Log Pow	-1.09 (Experimental value; EU Method A.8: Partition Coefficient; 22 °C)
Bioaccumulative potential	Low bioaccumulation potential (BCF < 500).

### 12.4. Mobility in soil

<b>2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1)</b>	
Ecology - soil	Low potential for adsorption in soil.
<b>4-tert-butylpyrocatechol (98-29-3)</b>	
Log Koc	1.37 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value, GLP)
Ecology - soil	Highly mobile in soil.
<b>boric acid (10043-35-3)</b>	
Ecology - soil	No (test) data on mobility of the substance available. May be harmful to plant growth, blooming and fruit formation.

### 12.5. Other adverse effects

Other information Avoid release to the environment.

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### 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 / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	RID
<b>14.1. UN number</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.2. UN proper shipping name</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.3. Transport hazard class(es)</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.4. Packing group</b>			
Not regulated	Not regulated	Not regulated	Not regulated
<b>14.5. Environmental hazards</b>			
Not regulated	Not regulated	Not regulated	Not regulated
No supplementary information available			

#### 14.6. Special precautions for user

**- Overland transport**

**- Transport by sea**

No data available

**- Air transport**

No data available

**- Rail transport**

Carriage prohibited (RID) No

#### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

### SECTION 15: Regulatory information

#### 15.1. National regulations

<b>2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>1,1'-(p-tolylimino)dipropan-2-ol (38668-48-3)</b>
Listed on the Canadian DSL (Domestic Substances List)

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<b>4-tert-butylpyrocatechol (98-29-3)</b>
Listed on the Canadian DSL (Domestic Substances List)
<b>Quartz (SiO<sub>2</sub>) (14808-60-7)</b>
Listed on the Canadian DSL (Domestic Substances List)

### 15.2. International regulations

<b>2-Propenoic acid, 2-methyl-, monoester with 1,2-propanediol (27813-02-1)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Bisphenol-A-diethoxy-methacrylate (24448-20-2)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>1,1,1-Trimethylolpropane trimethacrylate (3290-92-4)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Tricyclodecane dimethanol dimethacrylate (43048-08-4)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>1,1'-(p-tolyimino)dipropan-2-ol (38668-48-3)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>4-tert-butylpyrocatechol (98-29-3)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>Quartz (SiO<sub>2</sub>) (14808-60-7)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory
<b>boric acid (10043-35-3)</b>
Listed on the United States TSCA (Toxic Substances Control Act) inventory

## SECTION 16: Other information

Date of issue	11-16-2018
Revision date	11-16-2018
Supersedes	12-07-2015

Indication of changes:

Section	Changed item	Change	Comments
2.1	Classification (GHS CA)	Added	
3	Composition/information on ingredients	Modified	

Other information: None.

Full text of H-statements:

H300	Fatal if swallowed.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
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.
H360	May damage fertility or the unborn child.
H402	Harmful to aquatic life
H412	Harmful to aquatic life with long lasting effects.



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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*