

## 1 Identification

- Product identifier
- Trade name: **Hilti Firestop Silicone Joint Spray CFS-SP SIL**
- Relevant identified uses of the substance or mixture and uses advised against
- Sector of Use Building and construction work
- Application of the substance / the mixture Construction chemicals
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:  
Hilti, Inc.  
5400 South 122nd East Ave.  
US-Tulsa, OK 74146  
Phone: (800) 879-8000  
Fax: (800) 879-7000  
Español: (800) 879-5000
- Information department:  
chemicals.hsc@hilti.com  
see section 16
- Emergency telephone number:  
Tox Info Suisse - 24 h Service  
Tel.: 0041 / 44 251 51 51 (international)
- Chem-Trec  
Tel.: 1 800 424 9300

Hilti  
Silicone  
Spray

## 2 Hazard(s) identification

- Classification of the substance or mixture  
Skin Sens. 1 H317 May cause an allergic skin reaction.
- Label elements
- GHS label elements The product is classified and labeled according to the Globally Harmonized System (GHS).
- Hazard pictograms



GHS07

Signal word Warning

**Hazard-determining components of labeling:**

Methyl-tris(methylethylketoximo)-silan

Vinyl-tris(methylethylketoximo)-silan

**Hazard statements**

H317 May cause an allergic skin reaction.

**Precautionary statements**

P261 Avoid breathing vapours.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 If on skin: Wash with plenty of water.

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.

**Classification system****NFPA ratings (scale 0-4)**

Health = 2

Fire = 0

Reactivity = 0

**Other hazards**

In use the product releases 2-butanone oxime (methyl ethyl ketoxime; MEKO) (0-24h: <0.2%/h & 24-48h: <0.02%/h) which vaporises. In cases of prolonged exposure MEKO may damage nasal membranes. If MEKO is inhaled in large quantities over prolonged periods of time there may be irreversible damage to health.

H351: Suspected of causing cancer.

**Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

## 3 Composition/information on ingredients

**Chemical characterization: Mixtures****Description:** Mixture consisting of the following components.

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US

**Dangerous components:**

22984-54-9	Methyl-tris(methylethylketoximo)-silan
2224-33-1	Vinyl-tris(methylethylketoximo)-silan

Additional information For the wording of the listed risk phrases refer to section 16.

(Contd. of page 1)

&lt;2%

&lt;1%

**4 First-aid measures****Description of first aid measures**

**General information** No special measures required

**After inhalation**

Take affected persons into fresh air and keep quiet.  
Seek immediate medical advice.

**After skin contact**

Immediately wash with water and soap and rinse thoroughly.  
Seek immediate medical advice.

**After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.  
Seek immediate medical advice.

**After swallowing** Seek immediate medical advice.

**Information for doctor**

**Most important symptoms and effects, both acute and delayed** No further relevant information available

**Indication of any immediate medical attention and special treatment needed** No further relevant information available.

**5 Fire-fighting measures****Extinguishing media**

**Suitable extinguishing agents** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.

**Special hazards arising from the substance or mixture** No further relevant information available

**Advice for firefighters**

**Protective equipment:** Ensure adequate ventilation

**6 Accidental release measures****Personal precautions, protective equipment and emergency procedures**

Wear protective clothing.

Ensure adequate ventilation

Particular danger of slipping on leaked/spilled product.

**Environmental precautions:** No special measures required.

**Methods and material for containment and cleaning up:**

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

**Reference to other sections**

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**7 Handling and storage****Handling**

**Precautions for safe handling** Use only in well ventilated areas.

**Information about protection against explosions and fires:** No special measures required

**Conditions for safe storage, including any incompatibilities**

**Storage****Requirements to be met by storerooms and receptacles:**

Store in a cool (+5 °C / 41°F to 25 °C / 77°F), dry and dark place only in the original packaging.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** None.

**Specific end use(s)** No further relevant information available.

**8 Exposure controls/personal protection**

**Additional information about design of technical systems:** No further data; see item 7.

**Control parameters**

**Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace

**CAS No. Designation of material % Type Value Unit**

**Additional Occupational Exposure Limit Values for possible hazards during processing:**

96-29-7 Methylethylketoxime (MEKO) (<0.2%)

WEEL Long-term value: 10 ppm

DSEN

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US

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment**

· **General protective and hygienic measures**

The usual precautionary measures for handling chemicals should be followed.

Avoid contact with the eyes and skin.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Immediately remove all soiled and contaminated clothing

· **Breathing equipment:**

Not necessary if room is well-ventilated.

Use suitable respiratory protective device in case of insufficient ventilation.

Filter A

· **Recommended filter device for short term use:**

The use of an OSHA or NIOSH approved mask for dust and mist environment is recommended.

· **Protection of hands:**



Protective gloves.

EN 374

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

Synthetic gloves

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles.

EN 166 + EN 170

· **Body protection:**



Protective work clothing.

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

· **Form:**

Pasty

· **Color:**

According to product specification

· **Odor:**

Characteristic

· **Odour threshold:**

Not determined

· **pH-value:**

Not applicable

· **Change in condition**

· **Melting point/Melting range:**

Not determined.

· **Boiling point/Boiling range:**

undetermined

· **Flash point:**

Not applicable

· **Flammability (solid, gaseous)**

Not determined

· **Ignition temperature:**

Not determined

· **Decomposition temperature:**

Not determined

· **Auto igniting:**

Product is not selfigniting.

· **Danger of explosion:**

Product does not present an explosion hazard.

· **Explosion limits:**

· **Lower:**

Not determined



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Upper:	Not determined
Vapor pressure:	Not applicable.
Density at 20 °C (68 °F):	1.3 g/cm <sup>3</sup> (10.849 lbs/gal) (DIN 51757)
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not determined
Solubility in / Miscibility with Water:	Insoluble
Partition coefficient (n-octanol/water):	Not determined
Viscosity:	
dynamic:	Not determined
kinematic:	Not determined
Other information	VOC Content: 72 g/l (EPA Method 24)

## 10 Stability and reactivity

- Reactivity
- Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Possibility of hazardous reactions none, if used as directed
- Conditions to avoid No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: MEKO (Methylethylketoxime) / Butanon-2-oxime - CAS 96-29-7 (<0.2%)

## 11 Toxicological information

- Information on toxicological effects
- Acute toxicity:
- Primary irritant effect:
  - on the skin: No irritant effect.
  - on the eye: Strong irritant with the danger of severe eye injury.
- Sensitization: Sensitization possible through skin contact.
- Additional toxicological information:  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
- IARC (International Agency for Research on Cancer)  
None of the ingredients is listed.
- NTP (National Toxicology Program)  
None of the ingredients is listed
- OSHA-Ca (Occupational Safety & Health Administration)  
None of the ingredients is listed.

## 12 Ecological information

- Toxicity
- Aquatic toxicity: No further relevant information available.
- Persistence and degradability No further relevant information available.
- Behavior in environmental systems:
- Bioaccumulative potential No further relevant information available.
- Mobility in soil No further relevant information available.
- Additional ecological information:
- General notes: Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.
- Other adverse effects No further relevant information available.

## 13 Disposal considerations

- Waste treatment methods
- Recommendation For disposal, local regulations issued by the authorities must be observed.
- European waste catalogue:  
08 04 09\* waste adhesives and sealants containing organic solvents or other dangerous substances
- Uncleaned packagings:
- Recommendation:  
Disposal must be made according to official regulations.

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US



# Safety Data Sheet

acc. to ISO 11014

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Empty packs: May be disposed via the local Green Dot collecting system or EAK waste material code 150102 (plastic packaging materials) (Contd. of page 4)

## 14 Transport information

UN-Number	Void
DOT, ADR, ADN, IMDG, IATA	Void
UN proper shipping name	Void
DOT, ADR, ADN, IMDG, IATA	Void
Transport hazard class(es)	Void
DOT, ADR, ADN, IMDG, IATA	Void
Class	Void
Packing group	Void
DOT, ADR, IMDG, IATA	Void
Environmental hazards:	Not applicable.
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.
UN "Model Regulation":	-

## 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara
- Section 355 (Extremely hazardous substances):  
None of the ingredients is listed.
- Section 313 (Specific toxic chemical listings):  
None of the ingredients are listed.
- TSCA (Toxic Substances Control Act):  
All ingredients are listed.
- Proposition 65:
- Chemicals known to cause cancer:  
None of the ingredients are listed.
- Carcinogenicity categories
- EPA (Environmental Protection Agency)  
None of the ingredients is listed.
- TLV (Threshold Limit Value established by ACGIH)  
None of the ingredients is listed.
- MAK (German Maximum Workplace Concentration)  
None of the ingredients is listed.
- NIOSH-Ca (National Institute for Occupational Safety and Health)  
None of the ingredients is listed.
- Chemical safety assessment: not required.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Department issuing SDS:**  
Hilti Corporation  
Business Unit Chemicals  
Quality/Safety/Environment  
FL-9494 Schaan / Liechtenstein

chemicals.hse@hilti.com  
Tel.: +423 234 3004  
FAX.: +423 234 3462

**Date of preparation / last revision** 05/18/2015 / 1

### Abbreviations and acronyms:

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- ACGIH: American Conference of Governmental Industrial Hygienists
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)

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NFPA: National Fire Protection Association (USA)  
Skin Sens: 1. Sensitisation - Skin, Hazard Category 1

\* Data compared to the previous version altered.

US

## 1 Identification

- Product identifier
- Trade name:  
**Hilti Firestop Acrylic Sealant CFS-S ACR CP 606**
- Relevant identified uses of the substance or mixture and uses advised against
- Sector of Use SU19 Building and construction work
- Application of the substance / the mixture Construction chemicals
- Details of the supplier of the safety data sheet
- Manufacturer/Supplier:  
Hilti, Inc.  
5400 South 122nd East Ave.  
US-Tulsa, OK 74146  
Phone: (800) 879-8000  
Fax: (800) 879-7000  
Español: (800) 879-5000
- Information department:  
chemicals.hsc@hilti.com  
see section 16
- Emergency telephone number:  
Tox Info Suisse - 24 h Service  
Tel.: 0041 / 44 251 51 51 (international)
- Chem-Trec  
Tel.: 1 800 424 9300

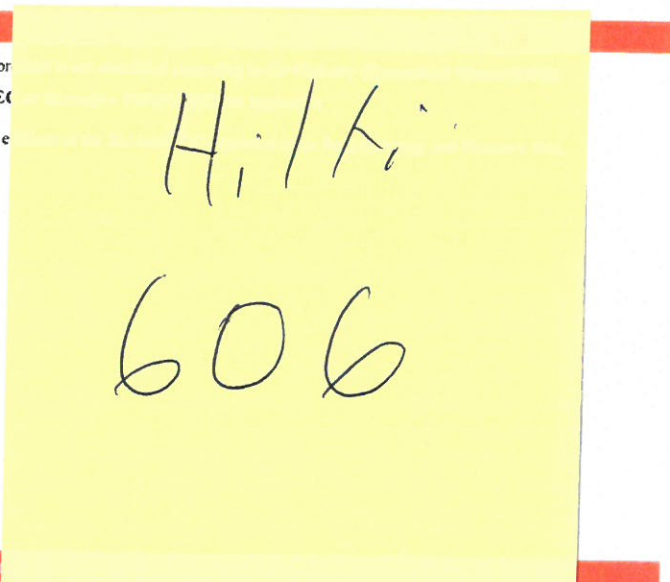
## 2 Hazard(s) identification

- Classification of the substance or mixture The pr
- Classification according to Directive 67/548/EEC
- Classification system:  
The classification was made according to the latest e
- Label elements
- GHS label elements Void
- Hazard pictograms Void
- Signal word Void
- Hazard statements Void
- Classification system
- NFPA ratings (scale 0-4)



Health = 0  
Fire = 0  
Reactivity = 0

- Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.



## 3 Composition/information on ingredients

- Chemical characterization: Mixtures
- Description: Acrylat-dispersion
- Dangerous components:  
57-55-6 propane-1,2-diol
- Additional information For the wording of the listed risk phrases refer to section 16.

&lt;2.5%

## 4 First-aid measures

- Description of first aid measures
- General information No special measures required.
- After inhalation Take affected persons into fresh air and keep quiet.
- After skin contact Immediately wash with water and soap and rinse thoroughly.
- After eye contact Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing Seek immediate medical advice.
- Information for doctor
- Most important symptoms and effects, both acute and delayed No further relevant information available.
- Indication of any immediate medical attention and special treatment needed No further relevant information available.

**5 Fire-fighting measures****Extinguishing media**

**Suitable extinguishing agents** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbondioxide (CO<sub>2</sub>)

**Advice for firefighters**

**Protective equipment:** Ensure adequate ventilation

**6 Accidental release measures****Personal precautions, protective equipment and emergency procedures**

Wear protective clothing.

Ensure adequate ventilation

Particular danger of slipping on leaked/spilled product.

**Environmental precautions:** No special measures required.

**Methods and material for containment and cleaning up:**

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

**Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**7 Handling and storage****Handling**

**Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.

**Information about protection against explosions and fires:** No special measures required.

**Conditions for safe storage, including any incompatibilities**

**Storage**

**Requirements to be met by storerooms and receptacles:** keep containers securely closed and dry, store at 5 - 25 °C / 41 - 77 °F

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** None.

**Storage class** 11

**Specific end use(s)** No further relevant information available

**8 Exposure controls/personal protection****Control parameters**

**Components with limit values that require monitoring at the workplace:**

57-55-6 propane-1,2-diol

WEEL Long-term value: 10 mg/m<sup>3</sup>

**Additional information:** The lists that were valid during the creation were used as basis.

**Exposure controls****Personal protective equipment****General protective and hygienic measures**

The usual precautionary measures for handling chemicals should be followed.

Avoid contact with the eyes and skin.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

**Breathing equipment:** Not necessary if room is well-ventilated.

**Protection of hands:**

Protective gloves.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

EN 374

**Material of gloves**

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.



**Eye protection:**

Tightly sealed goggles.

EN 166 + EN 170

**Body protection:**

Protective work clothing.

**9 Physical and chemical properties****Information on basic physical and chemical properties****General Information****Appearance:**

<b>Form:</b>	Pasty
<b>Color:</b>	According to product specification
<b>Odor:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.
<b>pH-value:</b>	Not applicable.

**Change in condition**

<b>Melting point/Melting range:</b>	Not determined.
<b>Boiling point/Boiling range:</b>	undetermined

**Flash point:** Not applicable**Flammability (solid, gaseous)** Not determined.**Ignition temperature:****Decomposition temperature:** Not determined.**Auto igniting:** Product is not selfigniting**Danger of explosion:** Product does not present an explosion hazard.**Explosion limits:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

**Vapor pressure:** Not determined.**Density at 20 °C (68 °F):** 1.55 g/cm<sup>3</sup> (12.935 lbs/gal) (DIN 51757)**Relative density** Not determined.**Vapour density** Not applicable.**Evaporation rate** Not applicable.**Solubility in / Miscibility with****Water:** Not miscible or difficult to mix**Partition coefficient (n-octanol/water):** Not determined.**Viscosity:****dynamic:** Not applicable.**kinematic:** Not applicable.**Other information** VOC Content: 71 g/l (EPA Method 24)**10 Stability and reactivity****Reactivity****Chemical stability****Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.**Possibility of hazardous reactions** No dangerous reactions known**Conditions to avoid** No further relevant information available.**Incompatible materials:** No further relevant information available.**Hazardous decomposition products:** No dangerous decomposition products known**11 Toxicological information****Information on toxicological effects****Acute toxicity:****Primary irritant effect:****on the skin:** No irritant effect.**on the eye:** No irritating effect.

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

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· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

## 12 Ecological information

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability:** No further relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential:** No further relevant information available.

· **Mobility in soil:** No further relevant information available.

· **Additional ecological information:**

· **General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects:** No further relevant information available.

## 13 Disposal considerations

· **Waste treatment methods**

· **Recommendation**

For disposal, local regulations issued by the authorities must be observed.  
Smaller quantities can be disposed of with household waste.

· **European waste catalogue:**

08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09

· **Uncleaned packagings:**

· **Recommendation:**

Disposal must be made according to official regulations.

Dispose of packaging according to regulations on the disposal of packagings.

## 14 Transport information

· **UN-Number**

· **DOT, ADR, ADN, IMDG, IATA**

Void

· **UN proper shipping name**

· **DOT, ADR, ADN, IMDG, IATA**

Void

· **Transport hazard class(es)**

· **DOT, ADR, ADN, IMDG, IATA**

· **Class**

Void

· **Packing group**

· **DOT, ADR, IMDG, IATA**

Void

· **Environmental hazards:**

· **Marine pollutant:**

No

· **Special precautions for user**

Not applicable.

· **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

· **UN "Model Regulation":**

-

## 15 Regulatory information

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

· **Sara**

· **Section 355 (Extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

None of the ingredients are listed.

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US



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· <b>TSCA (Toxic Substances Control Act):</b> All ingredients are listed.
· <b>Proposition 65:</b>
· <b>Chemicals known to cause cancer:</b> None of the ingredients are listed.

- **Carcinogenity categories**
- **EPA (Environmental Protection Agency)**  
None of the ingredients is listed.
- **TLV (Threshold Limit Value established by ACGIH)**  
None of the ingredients is listed.
- **MAK (German Maximum Workplace Concentration)**  
None of the ingredients is listed.
- **NIOSH-Ca (National Institute for Occupational Safety and Health)**  
None of the ingredients is listed.
- **Chemical safety assessment:** not required.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Department issuing SDS:**  
Hilti Corporation  
Business Unit Chemicals  
Quality/Safety/Environment  
FL-9494 Schaan / Liechtenstein

chemicals.hse@hilti.com  
Tel.: +423 234 3004  
FAX.: +423 234 3462

· **Date of preparation / last revision 05/18/2015 / 2**

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
ACGIH: American Conference of Governmental Industrial Hygienists  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)

· **\* Data compared to the previous version altered.**

US

**1 Identification**

- **Product identifier**
- **Trade name:**  
CP 506  
CS-ADH ACR 310
- **Relevant identified uses of the substance or mixture and uses advised against**
- **Sector of Use** Building and construction work
- **Application of the substance / the mixture** Construction chemicals
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Hilti, Inc.  
5400 South 122nd East Ave.  
US-Tulsa, OK 74146  
Phone: (800) 879-8000  
Fax: (800) 879-7000  
Español: (800) 879-5000
- **Information department:**  
chemicals.hse@hilti.com  
see section 16
- **Emergency telephone number:**  
Tox Info Suisse - 24 h Service  
Tel.: 0041 / 44 251 51 51 (international)
- Chem-Trec  
Tel.: 1 800 424 9300

**2 Hazard(s) identification**

- **Classification of the substance or mixture** The product is not classified according to the Globally Harmonized System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Classification system**
- **NFPA ratings (scale 0-4)**



Health = 0  
Fire = 0  
Reactivity = 0

- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

**3 Composition/information on ingredients**

- **Chemical characterization: Mixtures**
- **Description:**  
Mixture of the substances listed below with nonhazardous additions.
- **Dangerous components:**  
56-81-5 glycerol
- **Additional information** For the wording of the listed risk phrases refer to section 16.

&lt;2.5%

**4 First-aid measures**

- **Description of first aid measures**
- **General information** No special measures required.
- **After inhalation** Take affected persons into fresh air and keep quiet.
- **After skin contact**  
Immediately wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact** Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing** Seek immediate medical advice.
- **Information for doctor**
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed** No further relevant information available.

## 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents** CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Ensure adequate ventilation

## 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective clothing.  
Ensure adequate ventilation  
Particular danger of slipping on leaked/spilled product.
- **Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **Methods and material for containment and cleaning up:** Pick up mechanically.
- **Reference to other sections**  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## 7 Handling and storage

- **Handling**
- **Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage**
- **Requirements to be met by storerooms and receptacles:** keep containers securely closed and dry, store at 5 - 25 °C / 41 - 77 °F
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:**  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.
- **Storage class** 10
- **Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Control parameters**
- **Components with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists that were valid during the creation were used as basis.
- **Exposure controls**
- **Personal protective equipment**
- **General protective and hygienic measures**  
The usual precautionary measures for handling chemicals should be followed.  
Avoid contact with the eyes and skin.  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.
- **Breathing equipment:** Not necessary if room is well-ventilated.
- **Protection of hands:**



Protective gloves.

EN 374

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· **Material of gloves** Nitrile rubber, NBR

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles.

EN 166 + EN 170

· **Body protection:**

Protective work clothing.

(Contd. of page 2)

## 9 Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

· <b>Form:</b>	Pasty
· <b>Color:</b>	According to product specification
· <b>Odor:</b>	Characteristic
· <b>Odour threshold:</b>	Not determined
· <b>pH-value:</b>	Not applicable

· **Change in condition**

· <b>Melting point/Melting range:</b>	Not determined
· <b>Boiling point/Boiling range:</b>	undetermined

· <b>Flash point:</b>	Not applicable
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· <b>Flammability (solid, gaseous)</b>	Not determined
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· <b>Ignition temperature:</b>	Not applicable
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· <b>Auto igniting:</b>	Product is not selfigniting.
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· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
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· **Explosion limits:**

· <b>Lower:</b>	Not determined
· <b>Upper:</b>	Not determined

· <b>Vapor pressure:</b>	Not determined
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· <b>Density:</b>	Not determined
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· <b>Relative density</b>	Not determined
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· <b>Vapour density</b>	Not determined
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· <b>Evaporation rate</b>	Not determined
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· **Solubility in / Miscibility with**

· <b>Water:</b>	Not miscible or difficult to mix
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· <b>Partition coefficient (n-octanol/water):</b>	Not determined
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· **Viscosity:**

· <b>dynamic:</b>	Not determined
· <b>kinematic:</b>	Not determined

· <b>Other information</b>	VOC Content: 57 g/l (EPA Method 24)
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## 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known

## 11 Toxicological information

· **Information on toxicological effects**

· **Acute toxicity:**

· **Primary irritant effect:**

· **on the skin:** No irritant effect.

· **on the eye:** No irritating effect.

· **Sensitization:** No sensitizing effects known.

· **Additional toxicological information:**

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

· **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

(Contd. on page 4)

US

# Safety Data Sheet

acc. to ISO 11014

Version number 4

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<b>NTP (National Toxicology Program)</b>
None of the ingredients is listed
<b>OSHA-Ca (Occupational Safety &amp; Health Administration)</b>
None of the ingredients is listed.

(Contd. of page 3)

## 12 Ecological information

- Toxicity**
- Aquatic toxicity:** No further relevant information available.
- Persistence and degradability:** No further relevant information available.
- Behavior in environmental systems:**
- Bioaccumulative potential:** No further relevant information available.
- Mobility in soil:** No further relevant information available.
- Ecotoxicological effects:** Not determined
- Additional ecological information:**
- General notes:** Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- Results of PBT and vPvB assessment**
- PBT:** Not applicable.
- vPvB:** Not applicable.
- Other adverse effects:** No further relevant information available.

## 13 Disposal considerations

- Waste treatment methods**
- Recommendation:** Smaller quantities can be disposed of with household waste.
- Uncleaned packagings:**
- Recommendation:**  
Dispose of packaging according to regulations on the disposal of packagings.  
Empty packs: May be disposed via the local Green Dot collecting system or EAK waste material code 150102 (plastic packaging materials)

## 14 Transport information

- UN-Number**  
DOT, ADR, ADN, IMDG, IATA  
Void
- UN proper shipping name**  
DOT, ADR, ADN, IMDG, IATA  
Void
- Transport hazard class(es)**  
DOT, ADR, ADN, IMDG, IATA  
Class  
Void
- Packing group**  
DOT, ADR, IMDG, IATA  
Void
- Environmental hazards:**
- Marine pollutant:** No
- Special precautions for user:** Not applicable.
- Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable.
- Transport/Additional information:** Not dangerous according to the above specifications.
- UN "Model Regulation":** Void

## 15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture**
- Sara**
- Section 355 (Extremely hazardous substances):**  
None of the ingredients is listed.
- Section 313 (Specific toxic chemical listings):**  
None of the ingredients are listed.
- TSCA (Toxic Substances Control Act):**  
All ingredients are listed.
- Proposition 65:**
- Chemicals known to cause cancer:**  
None of the ingredients are listed.

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**Carcinogen categories**

**EPA (Environmental Protection Agency)**

None of the ingredients is listed.

**TLV (Threshold Limit Value established by ACGIH)**

None of the ingredients is listed.

**MAK (German Maximum Workplace Concentration)**

None of the ingredients is listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

**Chemical safety assessment:** not required.

**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Department issuing SDS:**

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**Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
ACGIH: American Conference of Governmental Industrial Hygienists  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
NFPA: National Fire Protection Association (USA)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

\* **Data compared to the previous version altered.**

US