



1 Identification of substance:

- **Product details:**
- **Trade name:** **CP 643 / CP 644 / CP646 / CP 648 / CP653 / CP 680**
- **Application of the substance / the preparation** Construction chemicals
- **Manufacturer/Supplier:**
Hilti Aktiengesellschaft
Feldkircherstr. 100
Postfach 333
FL-9494 Schaan
Liechtenstein
Tel: 00423 / 234 2111
Fax: 00423 / 234 2965
christoph.aubauer@hilti.com
- **Informing department:** see section 16
- **Emergency information:**
Hilti Aktiengesellschaft
Tel: 00423 / 234 2111
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Schweizerisches Toxikologisches Informationszentrum - 24 h Service
Tel.: 0041 / 1 251 51 51 (international)

2 Hazards identification

- **Hazard designation:** void
- **Information pertaining to particular dangers for man and environment**
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- **Classification system**
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

3 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Polymer-bonded intumescent material (in the metal or plastic housing)
- **Dangerous components:** Void

4 First aid measures

- **General information** No special measures required.
- **After inhalation** Not applicable
- **After skin contact** Not applicable
- **After eye contact** Not applicable
- **After swallowing** Not applicable

5 Fire fighting measures

- **Suitable extinguishing agents** CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **For safety reasons unsuitable extinguishing agents** Water with a full water jet.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Not required.
- **Measures for environmental protection:** No special measures required.
- **Measures for cleaning/collecting:** Collect mechanically.

7 Handling and storage

- **Handling**
- **Information for safe handling:** No special measures required.
- **Information about protection against explosions and fires:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and containers:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.



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8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **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 compilation were used as basis.
- **Personal protective equipment**
- **Breathing equipment:** Not required.
- **Protection of hands:** Not required.
- **Material of gloves**
Not required.
- **Penetration time of glove material**
Not required.
- **Eye protection:** Not required.
- **Body protection:** Protective work clothing.

9 Physical and chemical properties:

· General Information

Form:	Solid.
Colour:	Various colours
Odour:	Odourless

· Change in condition

Melting point/Melting range:	Not determined
Boiling point/Boiling range:	Not determined

· Flash point:	Not applicable
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· Inflammability (solid, gaseous)	Product is not inflammable.
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· Danger of explosion:	Product is not explosive.
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· Density at 20°C	1,3-1,4 g/cm ³
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· Solvent content:	
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· Solids content:	100 %
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10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous products of decomposition:** No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritant effect.
- **Sensitization:** No sensitizing effect 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.

12 Ecological information:

- **Ecotoxicological effects:** Not determined
- **General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.

13 Disposal considerations

- **Product:**
- **Recommendation** Smaller quantities can be disposed with household waste.

· European waste catalogue

17 00 00	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
17 02 00	wood, glass and plastic
17 02 03	plastic
17 00 00	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)

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17 04 00	metals (including their alloys)
17 04 05	iron and steel

- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID-GGVSE Class:** -
- **Maritime transport IMDG:**
- **Marine pollutant:** No
- **Transport/Additional information:** Not dangerous according to the above specifications.

15 Regulatory information

- **Designation according to EC guidelines:**
Observe the normal safety regulations when handling chemicals.
The material is not subject to classification according to EC lists and other sources of literature known to us.
- **Special designation of certain preparations:**
Safety data sheet available for professional user on request.
- **National regulations**
- **Technical instructions (air):**

Class	Share in %
Wasser	2,5-10
NK	<2,5

- **Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

16 Other information:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing data specification sheet:**
Hilti Corporation
Business Unit Chemicals
Quality/Safety/Environment

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