

CP 679A Plus

Safety Data Sheet

according to the Hazardous Substances and New Organisms Act (1996)

Issue date: 14/11/2025

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Version: 3.0

SECTION 1: Identification

1.1 Product identifier

Product name CP 679A Plus
Product form Mixture
Chemical name
Product code BU Fire Protection

1.2 Other means of identification

No additional information available

1.3 Recommended use of the chemical and restrictions on use

No additional information available

1.4 Details of manufacturer or importer

Supplier

Hilti (New Zealand) Ltd.
Level 1, Building B 600 South Road Ellerslie
Auckland 1051
New Zealand
T +64 9 571 9995
800 444 584 toll free - F +64 9526 7780
servicenz@hilti.com

Department issuing data specification sheet

Hilti AG
Feldkircher Strasse 100
Schaan 9494
Liechtenstein
T +423 234 2111
product.compliance-fire.protection@hilti.com

1.5. Emergency phone number

Emergency number GBK GmbH Global Regulatory Compliance
+49 (0)6132-84463

| Country | Organisation/Company | Address | Emergency number |
|-------------|-------------------------|---------|------------------|
| New Zealand | National Poisons Centre | | 0800 764 766 |

SECTION 2: Hazard identification

2.1. Classification of the hazardous chemical

Classification according to the Environmental Protection Authority notices (EPA Hazardous Substances and New Organisms Act 1996)

Hazardous to the aquatic environment – Chronic Hazard, Category 3 H412

2.2. GHS Label elements, including precautionary statements

GHS NZ labelling

Contains Caramic acid, butyl-, 3-iodo-2-propynyl ester (< 0.1 %)
Hazard statements (GHS NZ) H412 - Harmful to aquatic life with long lasting effects
Prevention P273 - Avoid release to the environment.
Disposal P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

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SECTION 3: Composition and information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | Conc. | Classification according to GHS NZ |
|---------------------------------|---------------------|----------|------------------------------------|
| Titanium dioxide | CAS-No.: 13463-67-7 | 2.5 – 10 | Not classified |
| Mineral fibres according Note Q | CAS-No.: 65997-17-3 | 2.5 – 10 | Not classified |

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

| | |
|---------------------------------------|---|
| First-aid measures general | Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). |
| First-aid measures after inhalation | Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe fresh air. Allow the victim to rest. |
| First-aid measures after skin contact | Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water. |
| First-aid measures after eye contact | Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution. |
| First-aid measures after ingestion | Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center or a doctor if you feel unwell. |

4.2. Symptoms caused by exposure

| | |
|-------------------------------------|---|
| Symptoms/effects | Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms/effects after inhalation | Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard. |
| Symptoms/effects after skin contact | May cause an allergic skin reaction. |
| Symptoms/effects after eye contact | None under normal conditions. |
| Symptoms/effects after ingestion | None under normal conditions. |

4.3. Medical attention and special treatment

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

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

| | |
|--------------------------------|--|
| Suitable extinguishing media | Foam. Dry powder. Carbon dioxide. Water spray. Sand. |
| Unsuitable extinguishing media | Do not use a heavy water stream. |

5.2. Specific hazards arising from the chemical

| | |
|--|---|
| Fire hazard | No fire hazard. |
| Explosion hazard | No direct explosion hazard. |
| General measures | Avoid contact with skin and eyes. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. |
| Hazardous decomposition products in case of fire | Formation of toxic gases is possible during heating or in case of fire. |

5.3. 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. Do not enter fire area without proper protective equipment, including respiratory protection. |
|---------------------------|---|

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Protection during firefighting

Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures

Avoid contact with skin and eyes. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage.

6.1.1. For non-emergency personnel

Protective equipment

Wear recommended personal protective equipment.

Emergency procedures

Ventilate spillage area. Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment

Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures

Ventilate area. Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and materials for containment and cleaning up

For containment

Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible.

Methods for cleaning up

Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed

Not expected to present a significant hazard under anticipated conditions of normal use.

Precautions for safe handling

Ensure good ventilation of the work station. Wear personal protective equipment. 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.

Handling temperature

5 – 30 °C

Hygiene measures

Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures

Keep in a cool, well-ventilated place away from heat.

Storage conditions

Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.

Incompatible materials

Sources of ignition. Direct sunlight.

Packaging materials

Always store product in container of same material as original container.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

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| Titanium dioxide (13463-67-7) | |
|---|--|
| New Zealand - Occupational Exposure Limits | |
| Local name | Titanium dioxide |
| WES-TWA (OEL TWA) | 2.5 mg/m ³ r (The value for respirable dust) 0.2 mg/m ³ uf (Ultrafine fraction) |
| Regulatory reference | Workplace Exposure Standards and Biological Exposure Indices, 15th Edition |
| Mineral fibres according Note Q (65997-17-3) | |
| New Zealand - Occupational Exposure Limits | |
| Local name | Mineral wool fibre (Synthetic mineral fibres) |
| WES-TWA (OEL TWA) | 0.3 fibers/mL for carcinogenic SMFs 2 mg/m ³ for non-carcinogenic SMFs |
| Regulatory reference | Workplace Exposure Standards and Biological Exposure Indices, 13th Edition |

Exposure limit values for the other components

Additional information

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

8.2. Monitoring methods

No additional information available

8.3. Engineering controls

Appropriate engineering controls

Ensure good ventilation of the work station.

8.4. Individual protection measures, such as personal protective equipment (PPE)

Personal protective equipment

Avoid all unnecessary exposure. Gloves.

Hand protection

Wear protective gloves.

| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |
|---|------------------------------------|-------------------|----------------|-------------|----------|
| Disposable gloves, Protective gloves, Reusable gloves | Nitrile rubber (NBR), Butyl rubber | 6 (> 480 minutes) | >4 | | |

Eye protection

Chemical goggles or safety glasses. Safety glasses

Skin and body protection

Protective clothing

Respiratory protection

Avoid inhalation of vapour and spray mist. In case of inadequate ventilation wear respiratory protection. (FFP2)

Personal protective equipment symbol(s)



Environmental exposure controls

Avoid release to the environment.

Other information

Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

Physical state

Liquid

Appearance

Pasty.

Colour

white

Odour

slight odourless

Odour threshold

No additional information available

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| | |
|---|--|
| pH | 7 – 7.8 |
| Evaporation rate | pH solution concentration: 10 % |
| Relative evaporation rate (butylacetate=1) | No additional information available |
| Melting point / Freezing point | No data available |
| Boiling point | Melting point: Not applicable |
| Flash point | ≈ 100 °C |
| Auto-ignition temperature | No data available |
| Flammability | No data available |
| Vapour pressure | Non flammable. |
| Relative density | No additional information available |
| Density | No additional information available |
| Solubility | Density: 1.34 – 1.48 g/cm ³ |
| Partition coefficient n-octanol/water (Log Pow) | No additional information available |
| Viscosity, kinematic | No data available |
| Viscosity, dynamic | 16891.892 – 29850.746 mm ² /s |
| Explosive properties | 25000 – 40000 mPa·s |
| Oxidising properties | Product is not explosive. |
| Explosive limits | Not applicable |
| Minimum ignition energy | No additional information available |
| VOC content | No data available |
| | < 1 % |

SECTION 10: Stability and reactivity

| | |
|------------------------------------|--|
| Reactivity | The product is non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | No dangerous reactions known under normal conditions of use. |
| Conditions to avoid | None under recommended storage and handling conditions (see section 7). |
| Incompatible materials | Strong acids. Strong bases. |
| Hazardous decomposition products | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

SECTION 11: Toxicological information

11.1. Toxicity

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

| Titanium dioxide (13463-67-7) | |
|-----------------------------------|--|
| LD50 oral rat | > 2000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s)) |
| LD50 oral | > 5000 mg/kg |
| LC50 Inhalation - Rat (Dust/Mist) | > 6.82 mg/l/4h |

| | |
|-----------------------------------|------------------|
| Skin corrosion/irritation | Not classified |
| | pH: 7 – 7.8 |
| Serious eye damage/irritation | Not classified |
| Respiratory or skin sensitisation | Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | Not classified |

| Titanium dioxide (13463-67-7) | |
|-------------------------------|--------------------------------------|
| IARC group | 2B - Possibly carcinogenic to humans |
| Reproductive toxicity | Not classified |

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| | |
|------------------------|----------------|
| STOT-single exposure | Not classified |
| STOT-repeated exposure | Not classified |
| Aspiration hazard | Not classified |

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|----------------------|--|
| Viscosity, kinematic | 16891.892 – 29850.746 mm ² /s |

| Titanium dioxide (13463-67-7) | |
|-------------------------------|------------------------|
| Viscosity, kinematic | Not applicable (solid) |

Potential adverse human health effects and symptoms: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Ecotoxicity

| | |
|---|--|
| Ecology - general | Harmful to aquatic life with long lasting effects. |
| Hazardous to the aquatic environment, short-term (acute) | Not classified. |
| Hazardous to the aquatic environment, long-term (chronic) | Harmful to aquatic life with long lasting effects. |
| Soil toxicity | Not classified |
| Terrestrial vertebrate toxicity | Not classified |
| Terrestrial invertebrate toxicity | Not classified |
| Other information | Avoid release to the environment. |

| Titanium dioxide (13463-67-7) | |
|-------------------------------|--|
| LD50 oral rat | > 2000 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s)) |

12.2. Persistence and degradability

| CP 679A Plus | |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

| Titanium dioxide (13463-67-7) | |
|-------------------------------|-----------------------------------|
| Not rapidly degradable | |
| Persistence and degradability | Biodegradability: not applicable. |
| Chemical oxygen demand (COD) | Not applicable (inorganic) |
| ThOD | Not applicable (inorganic) |

| Mineral fibres according Note Q (65997-17-3) | |
|--|-----------------------------------|
| Not rapidly degradable | |
| Persistence and degradability | Biodegradability: not applicable. |
| Chemical oxygen demand (COD) | Not applicable |
| ThOD | Not applicable |
| BOD (% of ThOD) | Not applicable |

12.3. Bioaccumulative potential

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| Bioaccumulative potential | Not established. |

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| Titanium dioxide (13463-67-7) | |
|-------------------------------|----------------------|
| Bioaccumulative potential | Not bioaccumulative. |

| Mineral fibres according Note Q (65997-17-3) | |
|--|------------------------------------|
| Bioaccumulative potential | No bioaccumulation data available. |

12.4. Mobility in soil

| CP 679A Plus | |
|------------------|-------------------------------------|
| Mobility in soil | No additional information available |

| Titanium dioxide (13463-67-7) | |
|-------------------------------|-------------------------------------|
| Surface tension | No data available in the literature |
| Ecology - soil | Low potential for mobility in soil. |

| Mineral fibres according Note Q (65997-17-3) | |
|--|--|
| Ecology - soil | No (test) data on mobility of the substance available. |

12.5. Other adverse effects

| | |
|-----------------------|-------------------------------------|
| Ozone | Not classified |
| Other adverse effects | No additional information available |

SECTION 13: Disposal considerations

| | |
|--|--|
| Waste treatment methods | Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations | Disposal must be done according to official regulations. |
| Product/Packaging disposal recommendations | Dispose in a safe manner in accordance with local/national regulations. Disposal must be done according to official regulations. |
| Ecological waste information | Avoid release to the environment. |
| Additional information | Do not re-use empty containers. |

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID /

| 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 | | | |

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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. Safety, health and environmental regulations specific for the product in question

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

| | |
|---------------|------------|
| Issue date | 14/11/2025 |
| Revision date | 14/11/2025 |
| Supersedes | 21/03/2024 |

| | |
|--------------|---|
| Data sources | REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. |
|--------------|---|

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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
BLV - Biological limit value
BOD - Biochemical oxygen demand (BOD)
COD - Chemical oxygen demand (COD)
DMEL - Derived Minimal Effect level
DNEL - Derived-No Effect Level
EC-No. - European Community number
EC50 - Median effective concentration
EN - European Standard
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
OEL - Occupational Exposure Limit
PBT - Persistent Bioaccumulative Toxic
PNEC - Predicted No-Effect Concentration
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS - Safety Data Sheet
STP - Sewage treatment plant
ThOD - Theoretical oxygen demand (ThOD)
TLM - Median Tolerance Limit
VOC - Volatile Organic Compounds
CAS-No. - Chemical Abstract Service number
N.O.S. - Not Otherwise Specified
vPvB - Very Persistent and Very Bioaccumulative
ED - Endocrine disruptor
None.

Other information

| Full text of H-statements | |
|---------------------------|---|
| Aquatic Chronic 3 | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| 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.