

CFR 1

Safety Data Sheet

according to the United Nations GHS (Rev. 9, 2021)

Issue date: 18/11/2024

Revision date: 18/11/2024

Supersedes: 05/08/2022

Version: 22.2

SECTION 1: Identification

1.1. GHS Product identifier

| | |
|--------------|--------------------|
| Product form | Mixture |
| Trade name | CFR 1 |
| UN-No. (ADR) | 1950 |
| 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

| | |
|------------------------------|----------------|
| Use of the substance/mixture | Spray cleaners |
|------------------------------|----------------|

1.4. Supplier's details

Supplier

P.T. Hilti Nusantara
The Garden Center Level 3 No. 3-11B, Kawasan Komersial Cilandak
Jl. Raya Cilandak KKO
ID 12560 Jakarta
Indonesia
T +62 21 789 0850, F +62 21 7890845
moid@hilti.com

Department issuing data specification sheet

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

1.5. Emergency phone number

| | |
|------------------|--|
| Emergency number | Emergency CONTACT (24-Hour-Number): GBK GmbH Global Regulatory Compliance +49 (0)6132-84463 +62 21 789 0850 |
|------------------|--|

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Classification according to the United Nations GHS

| | | |
|--|---|-----------------------|
| Aerosol, Category 1 | H222;H229 | On basis of test data |
| Serious eye damage/eye irritation, Category 2 | H319 | Calculation method |
| Specific target organ toxicity – Single exposure, Category 3, Narcosis | H336 | Calculation method |
| Full text of H-statements: see section 16 | | |
| Adverse physicochemical, human health and environmental effects | Pressurised container: May burst if heated,Extremely flammable aerosol,May cause drowsiness or dizziness,Causes serious eye irritation. | |

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2.2. GHS Label elements, including precautionary statements

Labelling according to the United Nations GHS

Hazard pictograms (GHS UN)



Signal word (GHS UN)

Danger

Hazardous ingredients

Acetone; ethyl acetate

Hazard statements (GHS UN)

H222 - Extremely flammable aerosol

H229 - Pressurised container: May burst if heated

H319 - Causes serious eye irritation

H336 - May cause drowsiness or dizziness

Precautionary statements (GHS UN)

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

No smoking.

P211 - Do not spray on an open flame or other ignition source.

P251 - Do not pierce or burn, even after use.

P261 - Avoid breathing spray.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to the United Nations GHS |
|---------|--------------------|---------|--|
| Acetone | CAS-No.: 67-64-1 | 40 – 60 | Flammable liquids, Category 2, H225 Acute toxicity (oral) Not classified Acute toxicity (dermal) Not classified Acute toxicity (inhalation:dust,mist) Not classified Serious eye damage/eye irritation, Category 2, H319 Serious eye damage/eye irritation, Category 2A, H319 Specific target organ toxicity – Single exposure, Category 3, Narcosis, H336 Hazardous to the aquatic environment – Acute Hazard Not classified Hazardous to the aquatic environment – Chronic Hazard Not classified |

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| Name | Product identifier | % | Classification according to the United Nations GHS |
|---------------|--------------------|---------|---|
| ethyl acetate | CAS-No.: 141-78-6 | 10 – 25 | Flammable liquids, Category 2, H225 Serious eye damage/eye irritation, Category 2, H319 Specific target organ toxicity – Single exposure, Category 3, Narcosis, H336 Flammable liquids, Category 2, H225 |
| isobutane | CAS-No.: 75-28-5 | < 25 | Flammable gases, Category 1A, H220 Gases under pressure : Compressed gas, H280 Acute toxicity (inhalation:gas) Not classified |
| propane | CAS-No.: 74-98-6 | < 10 | Flammable gases, Category 1A, H220 Gases under pressure : Liquefied gas, H280 |
| butane | CAS-No.: 106-97-8 | < 10 | Flammable gases, Category 1A, H220 Gases under pressure : Liquefied gas, H280 |

Full text of H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | Call a poison center or a doctor if you feel unwell. 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. Call a POISON CENTER/doctor if you feel unwell. |
| First-aid measures after skin contact | If skin irritation occurs: Get medical advice/attention. Wash skin with plenty of water. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. |
| First-aid measures after eye contact | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | Call a poison center or a doctor if you feel unwell. Rinse mouth. Do NOT induce vomiting. |

4.2. Most important symptoms/effects, acute and delayed

| | |
|---|---|
| Symptoms/effects after inhalation | May cause drowsiness or dizziness. |
| Symptoms/effects after eye contact | Eye irritation. Causes serious eye irritation. |
| Potential adverse human health effects and symptoms | Based on available data, the classification criteria are not met. |

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

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SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

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

5.2. Specific hazards arising from the chemical

| | |
|--|---|
| Fire hazard | Extremely flammable aerosol. |
| Explosion hazard | Pressurised container: May burst if heated. |
| Hazardous decomposition products in case of fire | Carbon dioxide. Carbon monoxide. Vapours may form explosive mixture with air. |

5.3. Special protective actions 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 | Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. 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

6.1.1. For non-emergency personnel

| | |
|----------------------|--|
| Emergency procedures | Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing spray. Avoid contact with skin and eyes. Evacuate unnecessary personnel. |
|----------------------|--|

6.1.2. For emergency responders

| | |
|----------------------|--|
| Protective equipment | Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". Equip cleanup crew with proper protection. Avoid breathing dust/fume/gas/mist/vapours/spray. |
| Emergency procedures | Ventilate area. |

6.2. Environmental precautions

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

| | |
|-------------------------|--|
| 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. Store away from other materials. |
| Other information | Dispose of materials or solid residues at an authorized site. |

SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|-------------------------------|---|
| Precautions for safe handling | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Use only outdoors or in a well-ventilated area. Avoid breathing spray. Avoid contact with skin and eyes. 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. |
| Hygiene measures | Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash hands, forearms and face thoroughly after handling. |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|------------------------|--|
| Storage conditions | Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool. |
| Incompatible products | Strong bases. Strong acids. |
| Incompatible materials | Sources of ignition. Direct sunlight. |

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Storage temperature 5 – 25 °C

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls Ensure good ventilation of the work station.
Environmental exposure controls Avoid release to the environment.
Other information Do not eat, drink or smoke during use.

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

Personal protective equipment:

Gloves. Protective clothing. Protective goggles.

Hand protection Wear suitable gloves tested to EN374. Suitable for short-term work or as a splash guard:
Nitrile rubber gloves (> 0.2 mm). In case of permanent product contact:

| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |
|-------------------|--------------|-------------------|----------------|-------------|------------|
| Protective gloves | Butyl rubber | 6 (> 480 minutes) | 0,5mm | | EN ISO 374 |

Eye protection

| Type | Field of application | Characteristics | Standard |
|----------------|----------------------|-----------------|----------------|
| Safety glasses | | | EN 166, EN 171 |

Skin and body protection Wear suitable protective clothing

Respiratory protection Ensure good ventilation of the work station. If the occupational exposure limit is exceeded:
Wear appropriate mask. (e.g. gas filter type A1-P2 according to EN 14387)

Personal protective equipment symbol(s)



8.4. Exposure limit values for the other components

No additional information available

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state Liquid
Appearance Aerosol
Colour Colourless.
Odour characteristic.
Odour threshold Not available
Melting point Not applicable
Freezing point Not available
Boiling point Not available
Flammability Extremely flammable aerosol.
Lower explosion limit Not available
Upper explosion limit Not available
Flash point Not available

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| | |
|---|-------------------------------|
| Auto-ignition temperature | Not available |
| Decomposition temperature | Not available |
| pH | Not available |
| pH solution | Not available |
| Viscosity, kinematic (calculated value) (40 °C) | Not available |
| Partition coefficient n-octanol/water (Log Kow) | Not available |
| Vapour pressure | 2500 – 2900 hPa at 20 °C |
| Vapour pressure at 50°C | Not available |
| Density | 0,74 – 0,76 g/cm ³ |
| Relative density | Not available |
| Relative vapour density at 20°C | Not available |
| Solubility | Soluble in water. |
| Particle size | Not applicable |

9.2. Data relevant with regard to physical hazard classes (supplemental)

| | |
|----------------------------|---|
| Explosive properties | Pressurised container: May burst if heated. |
| % of flammable ingredients | 112 % |

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol. Pressurised container: May burst if heated.

10.2. Chemical stability

Stable under normal conditions. Not established.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use. Not established.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. fume. Carbon monoxide. Carbon dioxide.

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 |

| isobutane (75-28-5) | |
|-----------------------------|---|
| LC50 Inhalation - Rat [ppm] | > 800000 ppm (15 minutes, Rat, Male / female, Experimental value, Inhalation (gases)) |
| propane (74-98-6) | |
| LC50 Inhalation - Rat [ppm] | > 800000 ppm (15 minutes, Rat, Male / female, Experimental value, Inhalation (gases)) |
| Acetone (67-64-1) | |
| LD50 oral rat | 5800 mg/kg (Rat, Female, Experimental value, Oral, 14 day(s)) |
| LD50 oral | 6667 mg/kg |
| LD50 dermal rabbit | > 15800 mg/kg bodyweight (24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s)) |

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| | |
|---|--|
| Acetone (67-64-1) | |
| LD50 dermal | 20000 mg/kg |
| LC50 Inhalation - Rat | 132 mg/l (3 h, Rat, Male, Experimental value, Inhalation (vapours)) |
| ethyl acetate (141-78-6) | |
| LD50 oral rat | 10200 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral, 14 day(s)) |
| LD50 oral | 5600 mg/kg |
| LD50 dermal rabbit | > 20000 mg/kg bodyweight (24 hour cuff method, 24 h, Rabbit, Male, Experimental value, Dermal, 14 day(s)) |
| LD50 dermal | 18000 mg/kg |
| LC50 Inhalation - Rat (Vapours) | 52,75 mg/l/4h |
| butane (106-97-8) | |
| LC50 Inhalation - Rat [ppm] | 276798,8 ppm |
| Skin corrosion/irritation | Not classified |
| Serious eye damage/irritation | Causes serious eye irritation. |
| Respiratory or skin sensitisation | Not classified |
| Germ cell mutagenicity | Not classified |
| Carcinogenicity | Not classified |
| Reproductive toxicity | Not classified |
| STOT-single exposure | May cause drowsiness or dizziness. |
| Acetone (67-64-1) | |
| STOT-single exposure | May cause drowsiness or dizziness. |
| ethyl acetate (141-78-6) | |
| STOT-single exposure | May cause drowsiness or dizziness. |
| STOT-repeated exposure | Not classified |
| Aspiration hazard | Not classified |
| CFR 1 | |
| Vaporizer | Aerosol |
| Potential adverse human health effects and symptoms | Based on available data, the classification criteria are not met. |

SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|---|
| Ecology - general | The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute) | Not classified |
| Hazardous to the aquatic environment, long-term (chronic) | Not classified |
| isobutane (75-28-5) | |
| EC50 96h - Algae [1] | 8,57 mg/l (ECOSAR v1.00, Algae, Fresh water, QSAR) |
| propane (74-98-6) | |
| EC50 96h - Algae [1] | 12 mg/l (ECOSAR v1.00, Algae, Fresh water, QSAR) |

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| Acetone (67-64-1) | |
|----------------------|---|
| LC50 - Fish [1] | 6210 – 8120 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Measured concentration) |
| EC50 - Crustacea [1] | > 12700 mg/l |
| ErC50 algae | > 530 mg/l 96h, Pseudokirchneriella subcapitata |

| ethyl acetate (141-78-6) | |
|--------------------------|--|
| LC50 - Fish [1] | 230 mg/l (US EPA, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal) |
| EC50 - Crustacea [1] | 262 mg/l |
| NOEC chronic crustacea | 2,4 mg/l |

12.2. Persistence and degradability

| CFR 1 | |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |

| isobutane (75-28-5) | |
|-------------------------------|---------------------------------|
| Not rapidly degradable | |
| Persistence and degradability | Readily biodegradable in water. |

| propane (74-98-6) | |
|-------------------------------|---------------------------------|
| Not rapidly degradable | |
| Persistence and degradability | Readily biodegradable in water. |

| Acetone (67-64-1) | |
|---------------------------------|--|
| Not rapidly degradable | |
| Persistence and degradability | Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 1,43 g O ₂ /g substance |
| Chemical oxygen demand (COD) | 1,92 g O ₂ /g substance |
| ThOD | 2,2 g O ₂ /g substance |

| ethyl acetate (141-78-6) | |
|---------------------------------|--|
| Persistence and degradability | Biodegradable in the soil. Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 0,293 g O ₂ /g substance |
| Chemical oxygen demand (COD) | 1,69 g O ₂ /g substance |
| ThOD | 1,82 g O ₂ /g substance |

| butane (106-97-8) | |
|------------------------|--|
| Not rapidly degradable | |

12.3. Bioaccumulative potential

| CFR 1 | |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |

| isobutane (75-28-5) | |
|---|--|
| Partition coefficient n-octanol/water (Log Kow) | 1,09 – 2,8 (Experimental value, 20 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |

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| | |
|---|---|
| propane (74-98-6) | |
| Partition coefficient n-octanol/water (Log Kow) | 1,1 – 2,8 (Experimental value, 20 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |
| Acetone (67-64-1) | |
| BCF - Fish [1] | 0,69 (Pisces, Literature study) |
| Partition coefficient n-octanol/water (Log Kow) | -0,23 (Test data) |
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |
| ethyl acetate (141-78-6) | |
| BCF - Fish [1] | 30 (3 day(s), Leuciscus idus, Static renewal, Experimental value) |
| Partition coefficient n-octanol/water (Log Kow) | 0,68 (Experimental value, EPA OPPTS 830.7560, 25 °C) |
| Bioaccumulative potential | Low potential for bioaccumulation (BCF < 500). |

12.4. Mobility in soil

| | |
|--|--|
| CFR 1 | |
| Mobility in soil | No additional information available |
| isobutane (75-28-5) | |
| Surface tension | No data available in the literature |
| Ecology - soil | Not applicable (gas). |
| propane (74-98-6) | |
| Surface tension | No data available in the literature |
| Ecology - soil | Not applicable (gas). |
| Acetone (67-64-1) | |
| Surface tension | 23,3 mN/m (20 °C) |
| Organic Carbon Normalized Adsorption Coefficient (Log Koc) | 0,374 – 0,988 (log Koc, SRC PCKOCWIN v2.0, Calculated value) |
| Ecology - soil | Highly mobile in soil. |
| ethyl acetate (141-78-6) | |
| Surface tension | No data available in the literature |
| Ecology - soil | Low potential for adsorption in soil. |

12.5. Other adverse effects

| | |
|-----------------------|-------------------------------------|
| Ozone | Not classified |
| Other adverse effects | No additional information available |
| Other information | Avoid release to the environment. |

SECTION 13: Disposal considerations

13.1. Disposal methods

| | |
|--|---|
| Waste treatment methods | Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Product/Packaging disposal recommendations | Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |
| Ecological information | Avoid release to the environment. |





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SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID /

| ADR | IMDG | IATA | RID |
|---|---|--|---|
| 14.1. UN number or ID number | | | |
| UN 1950 | UN 1950 | UN 1950 | UN 1950 |
| 14.2. UN proper shipping name | | | |
| AEROSOLS | AEROSOLS | Aerosols, flammable | AEROSOLS |
| UN 1950 AEROSOLS, 2.1, (D) | UN 1950 AEROSOLS, 2.1 | UN 1950 Aerosols, flammable, 2.1 | UN 1950 AEROSOLS, 2.1 |
| 14.3. Transport hazard class(es) | | | |
| 2.1 | 2.1 | 2.1 | 2.1 |
|  |  |  |  |
| 14.4. Packing group | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | | |
| Dangerous for the environment: No | Dangerous for the environment: No Marine pollutant: No | Dangerous for the environment: No | Dangerous for the environment: No |
| No supplementary information available | | | |

14.6. Special precautions for user

Overland transport

| | |
|--------------------------------|--------------------|
| Classification code (ADR) | 5F |
| Special provisions (ADR) | 190, 327, 344, 625 |
| Limited quantities (ADR) | 1I |
| Packing instructions (ADR) | P207, LP02 |
| Mixed packing provisions (ADR) | MP9 |
| Transport category (ADR) | 2 |
| Tunnel restriction code (ADR) | D |

Transport by sea

| | |
|-----------------------------|-----------------------------|
| Special provisions (IMDG) | 63, 190, 277, 327, 344, 959 |
| Limited quantities (IMDG) | SP277 |
| Packing instructions (IMDG) | P207, LP02 |
| EmS-No. (Fire) | F-D |
| EmS-No. (Spillage) | S-U |
| Stowage category (IMDG) | None |
| MFAG-No | 126 |

Air transport

| | |
|---------------------------------|------------------|
| PCA packing instructions (IATA) | 203 |
| PCA max net quantity (IATA) | 75kg |
| CAO packing instructions (IATA) | 203 |
| Special provisions (IATA) | A145, A167, A802 |

Rail transport

| | |
|--------------------------|--------------------|
| Special provisions (RID) | 190, 327, 344, 625 |
|--------------------------|--------------------|



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Limited quantities (RID) 1L
Packing instructions (RID) P207, LP02

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

SECTION 16: Other information

SDS Major/Minor None
Issue date 18/11/2024
Revision date 18/11/2024
Supersedes 05/08/2022

| Indication of changes: |
|------------------------|
| Modified. |

| Section | Changed item | Change | Comments |
|---------|--------------|--------|----------------|
| | | | general update |

Abbreviations and acronyms

CAS-No. - Chemical Abstract Service number
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)
CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL - Derived Minimal Effect level
DNEL - Derived-No Effect Level
EC-No. - European Community number
EC50 - Median effective concentration
ED - Endocrine disrupting properties
EN - European Standard
IARC - International Agency for Research on Cancer
IATA - International Air Transport Association
IMDG - International Maritime Dangerous Goods
IOELV - Indicative Occupational Exposure Limit Value
LC50 - Median lethal concentration
LD50 - Median lethal dose
LOAEL - Lowest Observed Adverse Effect Level
N.O.S. - Not Otherwise Specified
NOAEC - No-Observed Adverse Effect Concentration
NOAEL - No-Observed Adverse Effect Level
NOEC - No-Observed Effect Concentration
vPvB - Very Persistent and Very Bioaccumulative
WGK - Water Hazard Class

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VOC - Volatile Organic Compounds
 SDS - Safety Data Sheet
 RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
 REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
 PNEC - Predicted No-Effect Concentration
 PBT - Persistent Bioaccumulative Toxic
 OEL - Occupational Exposure Limit
 OECD - Organisation for Economic Co-operation and Development
 COD - Chemical oxygen demand (COD)
 ThOD - Theoretical oxygen demand (ThOD)
 TRGS - Technical Rules for Hazardous Substances
 TLM - Median Tolerance Limit
 STP - Sewage treatment plant
 None.

Other information

| Full text of H-statements: | |
|--|--|
| Acute Tox. Not classified (Dermal) | Acute toxicity (dermal) Not classified |
| Acute Tox. Not classified (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Not classified |
| Acute Tox. Not classified (Inhalation:gas) | Acute toxicity (inhalation:gas) Not classified |
| Acute Tox. Not classified (Oral) | Acute toxicity (oral) Not classified |
| Aquatic Acute Not classified | Hazardous to the aquatic environment – Acute Hazard Not classified |
| Aquatic Chronic Not classified | Hazardous to the aquatic environment – Chronic Hazard Not classified |
| Eye Irrit. 2A | Serious eye damage/eye irritation, Category 2A |
| Flam. Gas 1A | Flammable gases, Category 1A |
| Flam. Liq. 2 | Flammable liquids, Category 2 |
| Press. Gas (Comp.) | Gases under pressure : Compressed gas |
| Press. Gas (Liq.) | Gases under pressure : Liquefied gas |
| H220 | Extremely flammable gas |
| H222 | Extremely flammable aerosol |
| H225 | Highly flammable liquid and vapour |
| H229 | Pressurised container: May burst if heated |
| H280 | Contains gas under pressure; may explode if heated |
| H319 | Causes serious eye irritation |
| H336 | May cause drowsiness or dizziness |

SDS_UN_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.