

Abrasive Products

Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis
 Issue date: 15/12/2022 Revision date: 15/12/2022 Supersedes version of: 30/07/2020 Version: 2.0

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

1.1. Product identifier

| | |
|--------------|------------|
| Product form | Article |
| Name | AC-D, AG-D |
| Product code | BU ET&A |

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

1.2.1. Relevant identified uses

Use of the substance/mixture Milling, grinding and similar activities

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of product safety information sheet

Supplier

Hilti (Fastening Systems) Limited
 Unit C4 North City Business Park, Finglas
 IE- 11 Dublin
 Irland
 T +353 188 64101
 1850-287 387 Call Save - F +353 183 03569
iesales@hilti.com

Department issuing data specification sheet

Hilti Entwicklungsgesellschaft mbH
 Hiltistraße 6
 DE- 86916 Kaufering
 Deutschland
 T +49 8191 906876
anchor.hse@hilti.com

1.4. Emergency telephone number

Emergency number Schweizerisches Toxikologisches Informationszentrum – 24h Service
 +41 44 251 51 51 (international)
 +353 188 64101
 1850-287 387 Call Save

| Country | Organisation/Company | Address | Emergency number | Comment |
|---------|----------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------------------|---------|
| Ireland | National Poisons Information Centre Beaumont Hospital | PO Box 1297 Beaumont Road 9 Dublin | +353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7) | |

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

PBT: not relevant – no registration required

vPvB: not relevant – no registration required

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

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| Component | |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| aluminium oxide (1344-28-1) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| silicon carbide (409-21-2) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| pyrite (FeS ₂) (1309-36-0) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| trisodium hexafluoroaluminate (13775-53-6) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| Aluminum potassium fluoride (60304-36-1) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| Barium sulfate (7727-43-7) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| calcium oxide (1305-78-8) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| Graphite (7782-42-5) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |
| Titanium dioxide (13463-67-7) | This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII |

ED: not relevant – no registration required

| Component | |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| aluminium oxide(1344-28-1) | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |
| silicon carbide(409-21-2) | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |
| pyrite (FeS ₂)(1309-36-0) | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |
| trisodium hexafluoroaluminate(13775-53-6) | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |
| Aluminum potassium fluoride(60304-36-1) | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |
| Barium sulfate(7727-43-7) | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |

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| Component | |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| calcium oxide(1305-78-8) | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |
| Graphite(7782-42-5) | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |
| Titanium dioxide(13463-67-7) | The substance is not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 |

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------|
| aluminium oxide substance with national workplace exposure limit(s) (IE) | CAS-No.: 1344-28-1 EC-No.: 215-691-6 REACH-no: 01-2119529248-35 | ≤ 80 | Not classified |
| silicon carbide substance with national workplace exposure limit(s) (IE) | CAS-No.: 409-21-2 EC-No.: 206-991-8 | ≤ 75 | Not classified |
| pyrite (FeS ₂) | CAS-No.: 1309-36-0 EC-No.: 215-167-7 | ≤ 20 | Eye Irrit. 2, H319 |
| trisodium hexafluoroaluminate | CAS-No.: 13775-53-6 EC-No.: 237-410-6 EC Index-No.: 009-016-00-2 | ≤ 15 | Acute Tox. 4 (Inhalation:dust,mist), H332 (ATE=4.47 mg/l/4h) Lact., H362 STOT RE 1, H372 Aquatic Chronic 2, H411 |
| Aluminum potassium fluoride | CAS-No.: 60304-36-1 EC-No.: 262-153-1 | ≤ 15 | Acute Tox. 4 (Inhalation:dust,mist), H332 (ATE=1.5 mg/l/4h) Eye Irrit. 2, H319 Lact., H362 STOT RE 1, H372 Aquatic Chronic 3, H412 |
| Barium sulfate substance with national workplace exposure limit(s) (IE) | CAS-No.: 7727-43-7 EC-No.: 231-784-4 | ≤ 10 | Not classified |
| calcium oxide substance with national workplace exposure limit(s) (IE); substance with a Community workplace exposure limit | CAS-No.: 1305-78-8 EC-No.: 215-138-9 | ≤ 10 | Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335 |

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| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------|
| Graphite substance with national workplace exposure limit(s) (IE) | CAS-No.: 7782-42-5 EC-No.: 231-955-3 | ≤ 5 | Not classified |
| Titanium dioxide substance with national workplace exposure limit(s) (IE) | CAS-No.: 13463-67-7 EC-No.: 236-675-5 EC Index-No.: 022-006-00-2 REACH-no: 01-2119489379-17 | ≤ 5 | Not classified |

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures after inhalation | Remove person to fresh air and keep comfortable for breathing. When symptoms occur: go into open air and ventilate suspected area. |
| First-aid measures after skin contact | Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. |
| First-aid measures after eye contact | Rinse eyes with water as a precaution. If eye irritation persists: Get medical advice/attention. |
| First-aid measures after ingestion | Rinse mouth. If necessary seek medical advice. |

4.2. Most important symptoms and effects, both acute and delayed

| | |
|------------------------------------|-----------------------------------|
| Symptoms/effects after inhalation | May cause respiratory irritation. |
| Symptoms/effects after eye contact | May cause severe irritation. |

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

5.2. Special hazards arising from the substance or mixture

| | |
|--------------------------------------------------|------------------------------|
| Fire hazard | Not flammable. |
| Hazardous decomposition products in case of fire | Toxic fumes may be released. |

5.3. Advice for firefighters

| | |
|--------------------------------|-----------------------------------------------------------------------------------------------|
| Firefighting instructions | Use extinguishing agent suitable for surrounding fire. |
| Protection during firefighting | 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

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

No additional information available

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| calcium oxide (1305-78-8) | |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| OEL STEL | 4 mg/m ³ R (Respirable Fraction) |
| Remark | IOELV (Indicative Occupational Exposure Limit Values) |
| Regulatory reference | Chemical Agents Code of Practice 2021 |
| silicon carbide (409-21-2) | |
| Ireland - Occupational Exposure Limits | |
| Local name | Silicon carbide |
| OEL TWA [1] | 3 mg/m ³ respirable dust 0.1 fibers/cm ³ fibrous 10 mg/m ³ total inhalable dust |
| Regulatory reference | Chemical Agents Code of Practice 2021 |
| aluminium oxide (1344-28-1) | |
| Ireland - Occupational Exposure Limits | |
| Local name | Aluminium oxides |
| OEL TWA [1] | 10 mg/m ³ total inhalable dust 4 mg/m ³ respirable dust |
| Regulatory reference | Chemical Agents Code of Practice 2021 |
| Titanium dioxide (13463-67-7) | |
| Ireland - Occupational Exposure Limits | |
| Local name | Titanium dioxide |
| OEL TWA [1] | 10 mg/m ³ total inhalable dust 4 mg/m ³ respirable dust |
| Regulatory reference | Chemical Agents Code of Practice 2021 |

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



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8.2.2.1. Eye and face protection

Eye protection:

In case of dust production: protective goggles. EN 166. Face shield

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

Hand protection:

Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment is recommended

| Respiratory protection | | | |
|------------------------|-------------|-----------------|----------|
| Device | Filter type | Condition | Standard |
| Dust mask | Type P2 | Dust protection | EN 143 |

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Consumer exposure controls:

Avoid contact during pregnancy/while nursing.

Other information:

Hazardous dust of the workpiece material may be generated during grinding / drilling and/or sanding operations. National regulations for dust exposure limit values have to be taken into consideration as part of the job hazard assessment.

Most of the dust generated during grinding is from the base material being ground and the potential hazard from this exposure must be evaluated. This dust may present a fire or dust explosion hazard and may present a serious health hazard.

No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-------------------------------------------------|----------------------|
| Physical state | Solid |
| Colour | brown to dark brown. |
| Odour | Not available |
| Odour threshold | Not available |
| Melting point | Not available |
| Freezing point | Not available |
| Boiling point | Not available |
| Flammability | Not available |
| Lower explosion limit | Not applicable |
| Upper explosion limit | Not applicable |
| Flash point | Not applicable |
| Auto-ignition temperature | Not applicable |
| Decomposition temperature | Not available |
| pH | Not available |
| pH solution | Not available |
| Viscosity, kinematic | Not applicable |
| Solubility | insoluble in water. |
| Partition coefficient n-octanol/water (Log Kow) | Not available |

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| | |
|---------------------------------|----------------|
| Vapour pressure | Not available |
| Vapour pressure at 50°C | Not available |
| Density | Not available |
| Relative density | Not available |
| Relative vapour density at 20°C | Not applicable |
| Particle size | Not available |
| Particle size distribution | Not available |
| Particle shape | Not available |
| Particle aspect ratio | Not available |
| Particle aggregation state | Not available |
| Particle agglomeration state | Not available |
| Particle specific surface area | Not available |
| Particle dustiness | Not available |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport. Product is not explosive.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Do not expose to temperatures above 250°C. Hazardous decomposition byproducts may form with exposure to high temperatures.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

| | |
|-----------------------------|-----------------------------------------------------------------------------------|
| Acute toxicity (oral) | Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (dermal) | Not classified (Based on available data, the classification criteria are not met) |
| Acute toxicity (inhalation) | Not classified (Based on available data, the classification criteria are not met) |

| trisodium hexafluoroaluminate | |
|-----------------------------------|--------------------------------|
| LC50 Inhalation - Rat (Dust/Mist) | 4.47 mg/l/4h (OECD 403 method) |

| Aluminum potassium fluoride (60304-36-1) | |
|------------------------------------------|-------------|
| ATE CLP (dust,mist) | 1.5 mg/l/4h |

| | |
|-----------------------------------|-----------------------------------------------------------------------------------|
| Skin corrosion/irritation | Not classified (Based on available data, the classification criteria are not met) |
| Serious eye damage/irritation | Not classified (Based on available data, the classification criteria are not met) |
| Respiratory or skin sensitisation | Not classified (Based on available data, the classification criteria are not met) |

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Germ cell mutagenicity Not classified (Based on available data, the classification criteria are not met)
 Carcinogenicity Not classified (Based on available data, the classification criteria are not met)

| silicon carbide (409-21-2) | |
|-----------------------------------|--------------------------------------|
| IARC group | 2A - Probably carcinogenic to humans |

Reproductive toxicity Not classified (Based on available data, the classification criteria are not met)
 STOT-single exposure Not classified (Based on available data, the classification criteria are not met)

| calcium oxide (1305-78-8) | |
|----------------------------------|-----------------------------------------------------------------------------------|
| STOT-single exposure | May cause respiratory irritation. |
| STOT-repeated exposure | Not classified (Based on available data, the classification criteria are not met) |

| trisodium hexafluoroaluminate (13775-53-6) | |
|---------------------------------------------------|-----------------------------------------------------------------|
| STOT-repeated exposure | Causes damage to organs through prolonged or repeated exposure. |

| Aluminum potassium fluoride (60304-36-1) | |
|-------------------------------------------------|-----------------------------------------------------------------|
| STOT-repeated exposure | Causes damage to organs through prolonged or repeated exposure. |

Aspiration hazard Not classified (Based on available data, the classification criteria are not met)

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties No additional information available

11.2.2. Other information

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) Not classified (Based on available data, the classification criteria are not met)
 Hazardous to the aquatic environment, long-term (chronic) Not classified (Based on available data, the classification criteria are not met)

12.2. Persistence and degradability

| Abrasive Products | |
|-------------------------------|----------------------------------------|
| Persistence and degradability | Not applicable for inorganic products. |

| Titanium dioxide (13463-67-7) | |
|--------------------------------------|------------------------------------------|
| Persistence and degradability | Not applicable for inorganic substances. |

12.3. Bioaccumulative potential

| Abrasive Products | |
|---------------------------|---------------------------|
| Bioaccumulative potential | Bioaccumulation unlikely. |

| Titanium dioxide (13463-67-7) | |
|--------------------------------------|------------------------------------------|
| Bioaccumulative potential | Not applicable for inorganic substances. |

12.4. Mobility in soil

No additional information available

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12.5. Results of PBT and vPvB assessment

| |
|-----------------------------------------------|
| Abrasive Products |
| PBT: not relevant – no registration required |
| vPvB: not relevant – no registration required |

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Additional information Do not allow the product, as is, to spread into the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regional legislation (waste) | Disposal must be done according to official regulations. |
| Product/Packaging disposal recommendations | Dispose in a safe manner in accordance with local/national regulations. Avoid release to the environment. |
| Ecology - waste materials | Avoid release to the environment. Hazardous waste due to toxicity. |
| European List of Waste (LoW) code | 12 01 20* - spent grinding bodies and grinding materials containing dangerous substances 12 01 21 - spent grinding bodies and grinding materials other than those mentioned in 12 01 20 |

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID

| ADR | IMDG | IATA | RID |
|-----------------------------------------|---------------|---------------|---------------|
| 14.1. UN number or ID number | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.2. UN proper shipping name | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3. Transport hazard class(es) | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.4. Packing group | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| 14.5. Environmental hazards | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available | | | |

14.6. Special precautions for user

Overland transport

Not regulated

Transport by sea

Not regulated

Air transport

Not regulated

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Rail transport

Not regulated

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Not applicable.

REACH Annex XIV (Authorisation List)

Not applicable.

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

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| Indication of changes | | | |
|-----------------------|----------------------------------------|----------|----------------------------------------------------------------|
| Section | Changed item | Change | Comments |
| | General | Modified | SDS EU format according to COMMISSION REGULATION (EU) 2020/878 |
| 3.2 | Composition/information on ingredients | Added | |
| 8.1 | Exposure controls | Modified | |

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| 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 |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| DNEL | Derived-No Effect Level |
| EC50 | Median effective concentration |
| ED | Endocrine disrupting properties |
| EC-No. | European Community number |
| EN | European Standard |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| IOELV | Indicative Occupational Exposure Limit Value |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| N.O.S. | Not Otherwise Specified |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| TLM | Median Tolerance Limit |
| TRGS | Technical Rules for Hazardous Substances |
| VOC | Volatile Organic Compounds |
| WGK | Water Hazard Class |
| vPvB | Very Persistent and Very Bioaccumulative |
| NOAEL | No-Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| LOAEL | Lowest Observed Adverse Effect Level |

Data sources

Source: European Chemicals Agency, <http://echa.europa.eu/>. manufacturer.



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| Full text of H- and EUH-statements: | |
|----------------------------------------|--------------------------------------------------------------------------------------------|
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H362 | May cause harm to breast-fed children. |
| H372 | Causes damage to organs through prolonged or repeated exposure. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| Lact. | Reproductive toxicity, Additional category, Effects on or via lactation |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT RE 1 | Specific target organ toxicity – Repeated exposure, Category 1 |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |

SDS EU Hilti