



Name: Aluminiumoxide (Al₂O₃) identified uses

Legal entity owner: Almatris GmbH, Almatris BV, Almatris BV OR Inc., Almatris BV OR Ltd.

Aluminiumoxide (Al₂O₃) identified uses

Manufacture, use and exposure

Use and exposure information

Formulation or re-packing

Formulation

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Use name

Feedstock

Contributing activity / technique for the environment

Environmental release category (ERC)

ERC2: Formulation into mixture

Environmental release category (ERC)

ERC3: Formulation into solid matrix

Contributing activity / technique for workers

Process category (PROC)

PROC 2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

Process category (PROC)

PROC 3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment conditions

Process category (PROC)

PROC 4: Chemical production where opportunity for exposure arises

<p>Process category (PROC) PROC 5: Mixing or blending in batch processes</p>
<p>Process category (PROC) PROC 7: Industrial spraying</p>
<p>Process category (PROC) PROC 8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities</p>
<p>Process category (PROC) PROC 8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities</p>
<p>Process category (PROC) PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)</p>
<p>Process category (PROC) PROC 14: Tableting, compression, extrusion, pelletisation, granulation</p>
<p>Process category (PROC) PROC 15: Use as laboratory reagent</p>
<p>Process category (PROC) PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting</p>
<p>Process category (PROC) PROC 23: Open processing and transfer operations with minerals/metals at elevated temperature</p>
<p>Process category (PROC) PROC 26: Handling of solid inorganic substances at ambient temperature</p>

Product category formulated

PC 0: Other: intermediate

Technical function of the substance during formulation

other: refractories, ceramics

Substance supplied to that use in form of

as such

Total EU tonnage for this use

false

Limited number of sites for this use

false

Formulation

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Use name

Refractories

Contributing activity / technique for the environment

Environmental release category (ERC)

ERC2: Formulation into mixture

Environmental release category (ERC)

ERC3: Formulation into solid matrix

Contributing activity / technique for workers

Process category (PROC)

PROC 1: Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions

Process category (PROC)

PROC 2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

Process category (PROC)

PROC 3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment conditions

Process category (PROC)

PROC 4: Chemical production where opportunity for exposure arises

Process category (PROC)

PROC 5: Mixing or blending in batch processes

Process category (PROC)

PROC 7: Industrial spraying

Process category (PROC)

PROC 8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

<p>Process category (PROC) PROC 8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities</p>
<p>Process category (PROC) PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)</p>
<p>Process category (PROC) PROC 13: Treatment of articles by dipping and pouring</p>
<p>Process category (PROC) PROC 14: Tableting, compression, extrusion, pelletisation, granulation</p>
<p>Process category (PROC) PROC 15: Use as laboratory reagent</p>
<p>Process category (PROC) PROC 19: Hand-mixing with intimate contact and only PPE available.</p>
<p>Process category (PROC) PROC 21: Low energy manipulation of substances bound in materials and/or articles</p>
<p>Process category (PROC) PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting</p>
<p>Process category (PROC) PROC 23: Open processing and transfer operations with minerals/metals at elevated temperature</p>
<p>Process category (PROC) PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles</p>
<p>Process category (PROC) PROC 26: Handling of solid inorganic substances at ambient temperature</p>

Product category formulated

PC 7: Base metals and alloys
PC 14: Metal surface treatment products
PC 38: Welding and soldering products, flux products
PC 0: Other: intermediate

Technical function of the substance during formulation

other: refractories, ceramics

Substance supplied to that use in form of

as such
in a mixture

Total EU tonnage for this use

false

Limited number of sites for this use

false

Formulation

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Use name

Ceramics

Contributing activity / technique for the environment

Environmental release category (ERC)
ERC2: Formulation into mixture
Environmental release category (ERC)
ERC3: Formulation into solid matrix

Contributing activity / technique for workers

Process category (PROC)
PROC 3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment conditions
Process category (PROC)
PROC 4: Chemical production where opportunity for exposure arises
Process category (PROC)
PROC 5: Mixing or blending in batch processes
Process category (PROC)
PROC 6: Calendering operations
Process category (PROC)
PROC 8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
Process category (PROC)
PROC 8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities
Process category (PROC)
PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

Process category (PROC)

PROC 14: Tableting, compression, extrusion, pelletisation, granulation

Process category (PROC)

PROC 15: Use as laboratory reagent

Process category (PROC)

PROC 21: Low energy manipulation of substances bound in materials and/or articles

Process category (PROC)PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature.
Industrial setting**Process category (PROC)**

PROC 23: Open processing and transfer operations with minerals/metals at elevated temperature

Process category (PROC)

PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles

Process category (PROC)

PROC 26: Handling of solid inorganic substances at ambient temperature

Product category formulated

PC 0: Other: intermediate

Technical function of the substance during formulation

other: refractories, ceramics

Substance supplied to that use in form of

as such

in a mixture

Total EU tonnage for this use

false

Limited number of sites for this use

false

Formulation

EU: REACH

Registration/ Notification status for the useuse registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant**Use name**

Fillers

Contributing activity / technique for the environment

Environmental release category (ERC)

ERC2: Formulation into mixture

Environmental release category (ERC)

ERC3: Formulation into solid matrix

Contributing activity / technique for workers**Process category (PROC)**

PROC 1: Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions

Process category (PROC)

PROC 2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

Process category (PROC)

PROC 3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment conditions

Process category (PROC)

PROC 4: Chemical production where opportunity for exposure arises

Process category (PROC)

PROC 5: Mixing or blending in batch processes

Process category (PROC)

PROC 6: Calendering operations

Process category (PROC)

PROC 7: Industrial spraying

<p>Process category (PROC) PROC 8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities</p>
<p>Process category (PROC) PROC 8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities</p>
<p>Process category (PROC) PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)</p>
<p>Process category (PROC) PROC 10: Roller application or brushing</p>
<p>Process category (PROC) PROC 13: Treatment of articles by dipping and pouring</p>
<p>Process category (PROC) PROC 14: Tableting, compression, extrusion, pelletisation, granulation</p>
<p>Process category (PROC) PROC 15: Use as laboratory reagent</p>
<p>Process category (PROC) PROC 16: Use of fuels</p>
<p>Process category (PROC) PROC 19: Hand-mixing with intimate contact and only PPE available.</p>
<p>Process category (PROC) PROC 21: Low energy manipulation of substances bound in materials and/or articles</p>
<p>Process category (PROC) PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting</p>
<p>Process category (PROC) PROC 23: Open processing and transfer operations with minerals/metals at elevated temperature</p>
<p>Process category (PROC) PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles</p>
<p>Process category (PROC) PROC 25: Other hot work operations with metals</p>
<p>Process category (PROC) PROC 26: Handling of solid inorganic substances at ambient temperature</p>

Product category formulated

PC 1: Adhesives, sealants

PC 7: Base metals and alloys

PC 9a: Coatings and paints, thinners, paint removes

PC 9b: Fillers, putties, plasters, modelling clay
PC 18: Ink and toners
PC 26: Paper and board treatment products
PC 32: Polymer preparations and compounds
PC 35: Washing and cleaning products
PC 39: Cosmetics, personal care products
PC 0: Other: intermediate

Technical function of the substance during formulation

other: refractories, ceramics

Substance supplied to that use in form of

as such

in a mixture

Total EU tonnage for this use

false

Limited number of sites for this use

false

Formulation

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Use name

Abrasives

Contributing activity / technique for the environment

Environmental release category (ERC)

ERC2: Formulation into mixture

Contributing activity / technique for workers

Process category (PROC)

PROC 3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment conditions

Process category (PROC)

PROC 4: Chemical production where opportunity for exposure arises

Process category (PROC)

PROC 5: Mixing or blending in batch processes

Process category (PROC)

PROC 7: Industrial spraying

Process category (PROC)

PROC 8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

Process category (PROC)

PROC 8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities

Process category (PROC)

PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

Process category (PROC)

PROC 10: Roller application or brushing

Process category (PROC)

PROC 13: Treatment of articles by dipping and pouring

Process category (PROC)

PROC 14: Tableting, compression, extrusion, pelletisation, granulation

Process category (PROC)

PROC 15: Use as laboratory reagent

Process category (PROC)

PROC 21: Low energy manipulation of substances bound in materials and/or articles

Process category (PROC)PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature.
Industrial setting**Process category (PROC)**

PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles

Process category (PROC)

PROC 26: Handling of solid inorganic substances at ambient temperature

Product category formulated

PC 14: Metal surface treatment products

PC 15: Non-metal-surface treatment products

PC 25: Metal working fluids

PC 31: Polishes and wax blends

PC 34: Textile dyes, and impregnating products

PC 39: Cosmetics, personal care products

PC 0: Other: intermediate

Technical function of the substance during formulation

other: refractories, ceramics

Substance supplied to that use in form of

as such

in a mixture

Total EU tonnage for this use

false

Limited number of sites for this use

false

Formulation

EU: REACH

Registration/ Notification status for the useuse registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant**Use name**

Others: e.g. lubricants and greases, chemical reagents...

Contributing activity / technique for the environment

Environmental release category (ERC)

ERC2: Formulation into mixture

Environmental release category (ERC)

ERC3: Formulation into solid matrix

Contributing activity / technique for workers**Process category (PROC)**

PROC 1: Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions

Process category (PROC)

PROC 2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

Process category (PROC)

PROC 3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment conditions

Process category (PROC)

PROC 4: Chemical production where opportunity for exposure arises

Process category (PROC)

PROC 5: Mixing or blending in batch processes

Process category (PROC)

PROC 7: Industrial spraying

Process category (PROC)

PROC 8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

<p>Process category (PROC) PROC 8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities</p>
<p>Process category (PROC) PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)</p>
<p>Process category (PROC) PROC 10: Roller application or brushing</p>
<p>Process category (PROC) PROC 13: Treatment of articles by dipping and pouring</p>
<p>Process category (PROC) PROC 14: Tableting, compression, extrusion, pelletisation, granulation</p>
<p>Process category (PROC) PROC 15: Use as laboratory reagent</p>
<p>Process category (PROC) PROC 16: Use of fuels</p>
<p>Process category (PROC) PROC 17: Lubrication at high energy conditions in metal working operations</p>
<p>Process category (PROC) PROC 19: Hand-mixing with intimate contact and only PPE available.</p>
<p>Process category (PROC) PROC 20: Use of functional fluids in small devices</p>
<p>Process category (PROC) PROC 21: Low energy manipulation of substances bound in materials and/or articles</p>
<p>Process category (PROC) PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting</p>
<p>Process category (PROC) PROC 23: Open processing and transfer operations with minerals/metals at elevated temperature</p>
<p>Process category (PROC) PROC 26: Handling of solid inorganic substances at ambient temperature</p>

Product category formulated

- PC 1: Adhesives, sealants
- PC 7: Base metals and alloys
- PC 12: Fertilisers
- PC 14: Metal surface treatment products
- PC 16: Heat transfer fluids
- PC 17: Hydraulic fluids

PC 21: Laboratory chemicals
PC 24: Lubricants, greases, release products
PC 25: Metal working fluids
PC 27: Plant protection products
PC 29: Pharmaceuticals
PC 30: Photo-chemicals
PC 31: Polishes and wax blends
PC 32: Polymer preparations and compounds
PC 33: Semiconductors
PC 38: Welding and soldering products, flux products
PC 0: Other: intermediate

Technical function of the substance during formulation

other: refractories, ceramics

Substance supplied to that use in form of

as such

in a mixture

Total EU tonnage for this use

false

Limited number of sites for this use

false

Formulation

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Use name

Industrial applications

Contributing activity / technique for the environment

Environmental release category (ERC)

ERC2: Formulation into mixture

Contributing activity / technique for workers

Process category (PROC)

PROC 1: Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions

Process category (PROC)

PROC 2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

Process category (PROC)

PROC 3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment conditions

Process category (PROC)

PROC 4: Chemical production where opportunity for exposure arises

Process category (PROC)

PROC 5: Mixing or blending in batch processes

Process category (PROC)

PROC 7: Industrial spraying

Process category (PROC)

PROC 8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

Process category (PROC)

PROC 8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities

Process category (PROC)

PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

Process category (PROC)

PROC 10: Roller application or brushing

Process category (PROC)

PROC 12: Use of blowing agents in manufacture of foam

Process category (PROC)

PROC 13: Treatment of articles by dipping and pouring

Process category (PROC)

PROC 14: Tableting, compression, extrusion, pelletisation, granulation

Process category (PROC)

PROC 15: Use as laboratory reagent

Process category (PROC)

PROC 21: Low energy manipulation of substances bound in materials and/or articles

Process category (PROC)

PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting

Product category formulated

PC 2: Adsorbents

PC 3: Air care products

PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents

PC 21: Laboratory chemicals

PC 24: Lubricants, greases, release products

PC 25: Metal working fluids

PC 26: Paper and board treatment products

PC 32: Polymer preparations and compounds

PC 34: Textile dyes, and impregnating products

PC 0: Other: intermediate

Technical function of the substance during formulation

other: refractories, ceramics

Substance supplied to that use in form of

as such

in a mixture

Total EU tonnage for this use

false

Limited number of sites for this use

false

Formulation

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Use name

Glass

Contributing activity / technique for the environment

Environmental release category (ERC)

ERC2: Formulation into mixture

Environmental release category (ERC)

ERC3: Formulation into solid matrix

Contributing activity / technique for workers

Process category (PROC)

PROC 2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

Process category (PROC)

PROC 3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment conditions

Process category (PROC)

PROC 4: Chemical production where opportunity for exposure arises

Process category (PROC)

PROC 5: Mixing or blending in batch processes

Process category (PROC)

PROC 8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

Process category (PROC)

PROC 8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities

Process category (PROC)

PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

Process category (PROC)

PROC 14: Tableting, compression, extrusion, pelletisation, granulation

Process category (PROC)

PROC 21: Low energy manipulation of substances bound in materials and/or articles

Process category (PROC)PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature.
Industrial setting**Process category (PROC)**

PROC 23: Open processing and transfer operations with minerals/metals at elevated temperature

Process category (PROC)

PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles

Process category (PROC)

PROC 26: Handling of solid inorganic substances at ambient temperature

Product category formulated

PC 0: Other: intermediate

Technical function of the substance during formulation

other: refractories, ceramics

Substance supplied to that use in form of

as such

Total EU tonnage for this use

false

Limited number of sites for this use

false

Uses at industrial sites

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Use name

Others: e.g. lubricants and greases, chemical reagents...

Use as on-site isolated intermediate registered according to REACH Article 17(3)

false

Any precursor use(s)

false

Contributing activity / technique for the environment

Environmental release category (ERC)

ERC4: Use of non-reactive processing aid at industrial site (no inclusion into or onto article)

Environmental release category (ERC)

ERC5: Use at industrial site leading to inclusion into/onto article

Environmental release category (ERC)

ERC6c: Use of monomer in polymerisation processes at industrial site (inclusion or not into/onto article)

Environmental release category (ERC)

ERC6d: Use of reactive process regulators in polymerisation processes at industrial site (inclusion or not into/onto article)

Environmental release category (ERC)

ERC7: Use of functional fluid at industrial site

Contributing activity / technique for workers

Process category (PROC)

PROC 1: Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions

Process category (PROC)

PROC 2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

<p>Process category (PROC) PROC 3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment conditions</p>
<p>Process category (PROC) PROC 4: Chemical production where opportunity for exposure arises</p>
<p>Process category (PROC) PROC 5: Mixing or blending in batch processes</p>
<p>Process category (PROC) PROC 7: Industrial spraying</p>
<p>Process category (PROC) PROC 8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities</p>
<p>Process category (PROC) PROC 8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities</p>
<p>Process category (PROC) PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)</p>
<p>Process category (PROC) PROC 10: Roller application or brushing</p>
<p>Process category (PROC) PROC 13: Treatment of articles by dipping and pouring</p>
<p>Process category (PROC) PROC 14: Tableting, compression, extrusion, pelletisation, granulation</p>
<p>Process category (PROC) PROC 15: Use as laboratory reagent</p>
<p>Process category (PROC) PROC 16: Use of fuels</p>
<p>Process category (PROC) PROC 17: Lubrication at high energy conditions in metal working operations</p>
<p>Process category (PROC) PROC 19: Hand-mixing with intimate contact and only PPE available.</p>
<p>Process category (PROC) PROC 20: Use of functional fluids in small devices</p>
<p>Process category (PROC) PROC 21: Low energy manipulation of substances bound in materials and/or articles</p>

Process category (PROC)

PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature.
Industrial setting

Process category (PROC)

PROC 23: Open processing and transfer operations with minerals/metals at elevated temperature

Process category (PROC)

PROC 26: Handling of solid inorganic substances at ambient temperature

Product category used

PC 1: Adhesives, sealants
PC 7: Base metals and alloys
PC 12: Fertilisers
PC 14: Metal surface treatment products
PC 16: Heat transfer fluids
PC 17: Hydraulic fluids
PC 21: Laboratory chemicals
PC 24: Lubricants, greases, release products
PC 25: Metal working fluids
PC 27: Plant protection products
PC 29: Pharmaceuticals
PC 30: Photo-chemicals
PC 31: Polishes and wax blends
PC 32: Polymer preparations and compounds
PC 33: Semiconductors
PC 38: Welding and soldering products, flux products
PC 0: Other: intermediate

Sector of end use

SU 1: Agriculture, forestry and fishing
SU 8: Manufacture of bulk, large scale chemicals (including petroleum products)
SU 9: Manufacture of fine chemicals
SU 12: Manufacture of plastics products, including compounding and conversion
SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement
SU 14: Manufacture of basic metals, including alloys
SU 15: Manufacture of fabricated metal products, except machinery and equipment
SU 17: General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment
SU 19: Building and construction work
SU 23: Electricity, steam, gas water supply and sewage treatment

Substance supplied to that use in form of

as such

in a mixture

Subsequent service life relevant for this use

yes

Subsequent service life name

[CORE / Article service life / Others: e.g. lubricants and greases, chemical reagents.../consumers / Aluminiumoxide \(Al₂O₃\) identified uses](#)

[CORE / Article service life / Others: e.g. lubricants and greases, chemical reagents.../worker / Aluminiumoxide \(Al₂O₃\) identified uses](#)

Total EU tonnage for this use

false

Limited number of sites for this use

false

Uses at industrial sites

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Use name

Ceramics

Use as on-site isolated intermediate registered according to REACH Article 17(3)

false

Any precursor use(s)

false

Contributing activity / technique for the environment

Environmental release category (ERC)

ERC5: Use at industrial site leading to inclusion into/onto article

Contributing activity / technique for workers

Process category (PROC)

PROC 3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment conditions

Process category (PROC)

PROC 4: Chemical production where opportunity for exposure arises

Process category (PROC)

PROC 5: Mixing or blending in batch processes

Process category (PROC)

PROC 6: Calendaring operations

Process category (PROC)

PROC 8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

Process category (PROC)

PROC 8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities

Process category (PROC)

PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

Process category (PROC)

PROC 14: Tableting, compression, extrusion, pelletisation, granulation

Process category (PROC)

PROC 15: Use as laboratory reagent

Process category (PROC)

PROC 21: Low energy manipulation of substances bound in materials and/or articles

Process category (PROC)PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature.
Industrial setting**Process category (PROC)**

PROC 23: Open processing and transfer operations with minerals/metals at elevated temperature

Process category (PROC)

PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles

Process category (PROC)

PROC 26: Handling of solid inorganic substances at ambient temperature

Product category used

PC 0: Other: intermediate

Sector of end use

SU 8: Manufacture of bulk, large scale chemicals (including petroleum products)

SU 9: Manufacture of fine chemicals

SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement

SU 16: Manufacture of computer, electronic and optical products, electrical equipment

SU 17: General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment

Substance supplied to that use in form of

as such

in a mixture

Subsequent service life relevant for this use

yes

Subsequent service life name[CORE / Article service life / Ceramics/consumers / Aluminiumoxide \(Al₂O₃\) identified uses](#)[CORE / Article service life / Ceramics/workers / Aluminiumoxide \(Al₂O₃\) identified uses](#)[CORE / Article service life / Fillers/consumers / Aluminiumoxide \(Al₂O₃\) identified uses](#)[CORE / Article service life / Fillers/worker / Aluminiumoxide \(Al₂O₃\) identified uses](#)[CORE / Article service life / Glass / Aluminiumoxide \(Al₂O₃\) identified uses](#)[CORE / Article service life / Others: e.g. lubricants and greases, chemical reagents.../consumers / Aluminiumoxide \(Al₂O₃\) identified uses](#)[CORE / Article service life / Others: e.g. lubricants and greases, chemical reagents.../worker / Aluminiumoxide \(Al₂O₃\) identified uses](#)[CORE / Article service life / Refractories / Aluminiumoxide \(Al₂O₃\) identified uses](#)**Total EU tonnage for this use**

false

Limited number of sites for this use

false

Uses at industrial sites

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Use name

Fillers

Use as on-site isolated intermediate registered according to REACH Article 17(3)

false

Any precursor use(s)

false

Contributing activity / technique for the environment

Environmental release category (ERC)
ERC4: Use of non-reactive processing aid at industrial site (no inclusion into or onto article)
Environmental release category (ERC)
ERC5: Use at industrial site leading to inclusion into/onto article
Environmental release category (ERC)
ERC6b: Use of reactive processing aid at industrial site (no inclusion into or onto article)
Environmental release category (ERC)
ERC6c: Use of monomer in polymerisation processes at industrial site (inclusion or not into/onto article)
Environmental release category (ERC)
ERC6d: Use of reactive process regulators in polymerisation processes at industrial site (inclusion or not into/onto article)

Contributing activity / technique for workers

Process category (PROC)
PROC 1: Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions
Process category (PROC)
PROC 2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

<p>Process category (PROC) PROC 3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment conditions</p>
<p>Process category (PROC) PROC 4: Chemical production where opportunity for exposure arises</p>
<p>Process category (PROC) PROC 5: Mixing or blending in batch processes</p>
<p>Process category (PROC) PROC 6: Calendering operations</p>
<p>Process category (PROC) PROC 7: Industrial spraying</p>
<p>Process category (PROC) PROC 8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities</p>
<p>Process category (PROC) PROC 8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities</p>
<p>Process category (PROC) PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)</p>
<p>Process category (PROC) PROC 10: Roller application or brushing</p>
<p>Process category (PROC) PROC 13: Treatment of articles by dipping and pouring</p>
<p>Process category (PROC) PROC 14: Tableting, compression, extrusion, pelletisation, granulation</p>
<p>Process category (PROC) PROC 15: Use as laboratory reagent</p>
<p>Process category (PROC) PROC 16: Use of fuels</p>
<p>Process category (PROC) PROC 19: Hand-mixing with intimate contact and only PPE available.</p>
<p>Process category (PROC) PROC 21: Low energy manipulation of substances bound in materials and/or articles</p>
<p>Process category (PROC) PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting</p>

Process category (PROC)

PROC 23: Open processing and transfer operations with minerals/metals at elevated temperature

Process category (PROC)

PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles

Process category (PROC)

PROC 25: Other hot work operations with metals

Process category (PROC)

PROC 26: Handling of solid inorganic substances at ambient temperature

Product category used

PC 1: Adhesives, sealants

PC 7: Base metals and alloys

PC 9a: Coatings and paints, thinners, paint removes

PC 9b: Fillers, putties, plasters, modelling clay

PC 18: Ink and toners

PC 26: Paper and board treatment products

PC 32: Polymer preparations and compounds

PC 35: Washing and cleaning products

PC 39: Cosmetics, personal care products

Sector of end use

SU 5: Manufacture of textiles, leather, fur

SU 6b: Manufacture of pulp, paper and paper products

SU 7: Printing and reproduction of recorded media

SU 8: Manufacture of bulk, large scale chemicals (including petroleum products)

SU 9: Manufacture of fine chemicals

SU 11: Manufacture of rubber products

SU 12: Manufacture of plastics products, including compounding and conversion

SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement

SU 14: Manufacture of basic metals, including alloys

SU 15: Manufacture of fabricated metal products, except machinery and equipment

SU 16: Manufacture of computer, electronic and optical products, electrical equipment

SU 17: General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment

SU 18: Manufacture of furniture

SU 19: Building and construction work

SU 20: Health services

Substance supplied to that use in form of

as such

in a mixture

Subsequent service life relevant for this use

yes

Subsequent service life name[CORE / Article service life / Fillers/consumers / Aluminiumoxide \(Al₂O₃\) identified uses](#)[CORE / Article service life / Fillers/worker / Aluminiumoxide \(Al₂O₃\) identified uses](#)**Total EU tonnage for this use**

false

Limited number of sites for this use

false

Uses at industrial sites

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Use name

Feedstock

Use as on-site isolated intermediate registered according to REACH Article 17(3)

false

Any precursor use(s)

false

Contributing activity / technique for the environment

Environmental release category (ERC)

ERC5: Use at industrial site leading to inclusion into/onto article

Contributing activity / technique for workers

Process category (PROC)

PROC 2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

Process category (PROC)

PROC 3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment conditions

Process category (PROC)

PROC 4: Chemical production where opportunity for exposure arises

Process category (PROC)

PROC 5: Mixing or blending in batch processes

Process category (PROC)

PROC 7: Industrial spraying

Process category (PROC)

PROC 8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

Process category (PROC)

PROC 8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities

Process category (PROC)

PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

Process category (PROC)

PROC 14: Tableting, compression, extrusion, pelletisation, granulation

Process category (PROC)

PROC 15: Use as laboratory reagent

Process category (PROC)

PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting

Process category (PROC)

PROC 23: Open processing and transfer operations with minerals/metals at elevated temperature

Process category (PROC)

PROC 26: Handling of solid inorganic substances at ambient temperature

Product category used

PC 0: Other: intermediate

Sector of end use

SU 8: Manufacture of bulk, large scale chemicals (including petroleum products)

SU 9: Manufacture of fine chemicals

SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement

Technical function of the substance during use

other: refractories, ceramics

Substance supplied to that use in form of

as such

Subsequent service life relevant for this use

yes

Total EU tonnage for this use

false

Limited number of sites for this use

false

Uses at industrial sites

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Use name

Water treatment

Use as on-site isolated intermediate registered according to REACH Article 17(3)

false

Any precursor use(s)

false

Contributing activity / technique for the environment

Environmental release category (ERC)

ERC7: Use of functional fluid at industrial site

Contributing activity / technique for workers

Process category (PROC)

PROC 8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

Process category (PROC)

PROC 8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities

Process category (PROC)

PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

Process category (PROC)

PROC 15: Use as laboratory reagent

Product category used

PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents

PC 37: Water treatment chemicals

Sector of end use

SU 8: Manufacture of bulk, large scale chemicals (including petroleum products)

Substance supplied to that use in form of

as such

in a mixture

Subsequent service life relevant for this use

yes

Total EU tonnage for this use

false

Limited number of sites for this use

false

Uses at industrial sites

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Use name

Glass

Use as on-site isolated intermediate registered according to REACH Article 17(3)

false

Any precursor use(s)

false

Contributing activity / technique for the environment

Environmental release category (ERC)
ERC6a: Use of intermediate
Environmental release category (ERC)
ERC5: Use at industrial site leading to inclusion into/onto article

Contributing activity / technique for workers

Process category (PROC)
PROC 2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions
Process category (PROC)
PROC 3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment conditions
Process category (PROC)
PROC 4: Chemical production where opportunity for exposure arises
Process category (PROC)
PROC 5: Mixing or blending in batch processes
Process category (PROC)
PROC 8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities
Process category (PROC)
PROC 8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities

<p>Process category (PROC) PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)</p>
<p>Process category (PROC) PROC 14: Tableting, compression, extrusion, pelletisation, granulation</p>
<p>Process category (PROC) PROC 21: Low energy manipulation of substances bound in materials and/or articles</p>
<p>Process category (PROC) PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting</p>
<p>Process category (PROC) PROC 23: Open processing and transfer operations with minerals/metals at elevated temperature</p>
<p>Process category (PROC) PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles</p>
<p>Process category (PROC) PROC 26: Handling of solid inorganic substances at ambient temperature</p>

Product category used

PC 0: Other: intermediate

Sector of end use

SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement

Substance supplied to that use in form of

as such

Subsequent service life relevant for this use

yes

Subsequent service life name

[CORE / Article service life / Glass / Aluminiumoxide \(Al₂O₃\) identified uses](#)

Total EU tonnage for this use

false

Limited number of sites for this use

false

Uses at industrial sites

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Use name

Industrial applications

Use as on-site isolated intermediate registered according to REACH Article 17(3)

false

Any precursor use(s)

false

Contributing activity / technique for the environment

Environmental release category (ERC)

ERC4: Use of non-reactive processing aid at industrial site (no inclusion into or onto article)

Environmental release category (ERC)

ERC5: Use at industrial site leading to inclusion into/onto article

Environmental release category (ERC)

ERC6a: Use of intermediate

Environmental release category (ERC)

ERC6d: Use of reactive process regulators in polymerisation processes at industrial site (inclusion or not into/onto article)

Contributing activity / technique for workers

Process category (PROC)

PROC 1: Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions

Process category (PROC)

PROC 2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions

Process category (PROC)

PROC 3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment conditions

<p>Process category (PROC) PROC 4: Chemical production where opportunity for exposure arises</p>
<p>Process category (PROC) PROC 5: Mixing or blending in batch processes</p>
<p>Process category (PROC) PROC 7: Industrial spraying</p>
<p>Process category (PROC) PROC 8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities</p>
<p>Process category (PROC) PROC 8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities</p>
<p>Process category (PROC) PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)</p>
<p>Process category (PROC) PROC 10: Roller application or brushing</p>
<p>Process category (PROC) PROC 12: Use of blowing agents in manufacture of foam</p>
<p>Process category (PROC) PROC 13: Treatment of articles by dipping and pouring</p>
<p>Process category (PROC) PROC 14: Tableting, compression, extrusion, pelletisation, granulation</p>
<p>Process category (PROC) PROC 15: Use as laboratory reagent</p>
<p>Process category (PROC) PROC 21: Low energy manipulation of substances bound in materials and/or articles</p>
<p>Process category (PROC) PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting</p>

Product category used

PC 2: Adsorbents
PC 3: Air care products
PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents
PC 21: Laboratory chemicals
PC 24: Lubricants, greases, release products
PC 25: Metal working fluids
PC 26: Paper and board treatment products
PC 32: Polymer preparations and compounds
PC 34: Textile dyes, and impregnating products
PC 0: Other: intermediate

Sector of end use

SU 8: Manufacture of bulk, large scale chemicals (including petroleum products)

SU 9: Manufacture of fine chemicals

SU 17: General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment

Substance supplied to that use in form of

as such

in a mixture

Subsequent service life relevant for this use

yes

Total EU tonnage for this use

false

Limited number of sites for this use

false

Uses at industrial sites

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Use name

Refractories

Use as on-site isolated intermediate registered according to REACH Article 17(3)

false

Any precursor use(s)

false

Contributing activity / technique for the environment

Environmental release category (ERC) ERC1: Manufacture of the substance
Environmental release category (ERC) ERC2: Formulation into mixture
Environmental release category (ERC) ERC3: Formulation into solid matrix
Environmental release category (ERC) ERC8c: Widespread use leading to inclusion into/onto article (indoor)
Environmental release category (ERC) ERC10a: Widespread use of articles with low release (outdoor)
Environmental release category (ERC) ERC11a: Widespread use of articles with low release (indoor)
Environmental release category (ERC) ERC5: Use at industrial site leading to inclusion into/onto article
Environmental release category (ERC) ERC7: Use of functional fluid at industrial site

Contributing activity / technique for workers

Process category (PROC) PROC 1: Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions

<p>Process category (PROC) PROC 2: Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions</p>
<p>Process category (PROC) PROC 3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment conditions</p>
<p>Process category (PROC) PROC 4: Chemical production where opportunity for exposure arises</p>
<p>Process category (PROC) PROC 5: Mixing or blending in batch processes</p>
<p>Process category (PROC) PROC 7: Industrial spraying</p>
<p>Process category (PROC) PROC 8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities</p>
<p>Process category (PROC) PROC 8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities</p>
<p>Process category (PROC) PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)</p>
<p>Process category (PROC) PROC 13: Treatment of articles by dipping and pouring</p>
<p>Process category (PROC) PROC 14: Tableting, compression, extrusion, pelletisation, granulation</p>
<p>Process category (PROC) PROC 15: Use as laboratory reagent</p>
<p>Process category (PROC) PROC 19: Hand-mixing with intimate contact and only PPE available.</p>
<p>Process category (PROC) PROC 21: Low energy manipulation of substances bound in materials and/or articles</p>
<p>Process category (PROC) PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting</p>
<p>Process category (PROC) PROC 23: Open processing and transfer operations with minerals/metals at elevated temperature</p>
<p>Process category (PROC) PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles</p>

Process category (PROC)

PROC 26: Handling of solid inorganic substances at ambient temperature

Product category used

PC 7: Base metals and alloys

PC 14: Metal surface treatment products

PC 19: Intermediate

PC 38: Welding and soldering products, flux products

Sector of end use

SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)

SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement

SU 14: Manufacture of basic metals, including alloys

SU 17: General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment

SU 19: Building and construction work

Substance supplied to that use in form of

as such

in a mixture

Subsequent service life relevant for this use

yes

Subsequent service life name

[CORE / Article service life / Ceramics/consumers / Aluminiumoxide \(Al₂O₃\) identified uses](#)

[CORE / Article service life / Ceramics/workers / Aluminiumoxide \(Al₂O₃\) identified uses](#)

[CORE / Article service life / Fillers/consumers / Aluminiumoxide \(Al₂O₃\) identified uses](#)

[CORE / Article service life / Fillers/worker / Aluminiumoxide \(Al₂O₃\) identified uses](#)

[CORE / Article service life / Refractories / Aluminiumoxide \(Al₂O₃\) identified uses](#)

Total EU tonnage for this use

false

Limited number of sites for this use

false

Uses at industrial sites

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Use as on-site isolated intermediate registered according to REACH Article 17(3)

false

Any precursor use(s)

false

Contributing activity / technique for the environment

Environmental release category (ERC)

ERC4: Use of non-reactive processing aid at industrial site (no inclusion into or onto article)

ERC5: Use at industrial site leading to inclusion into/onto article

ERC6a: Use of intermediate

ERC7: Use of functional fluid at industrial site

Contributing activity / technique for workers

Process category (PROC)

PROC 3: Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment conditions

Process category (PROC)

PROC 4: Chemical production where opportunity for exposure arises

Process category (PROC)

PROC 5: Mixing or blending in batch processes

Process category (PROC)

PROC 7: Industrial spraying

Process category (PROC)

PROC 8a: Transfer of substance or mixture (charging and discharging) at non-dedicated facilities

Process category (PROC)

PROC 8b: Transfer of substance or mixture (charging and discharging) at dedicated facilities

Process category (PROC)

PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)

<p>Process category (PROC) PROC 10: Roller application or brushing</p>
<p>Process category (PROC) PROC 13: Treatment of articles by dipping and pouring</p>
<p>Process category (PROC) PROC 14: Tableting, compression, extrusion, pelletisation, granulation</p>
<p>Process category (PROC) PROC 15: Use as laboratory reagent</p>
<p>Process category (PROC) PROC 21: Low energy manipulation of substances bound in materials and/or articles</p>
<p>Process category (PROC) PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting</p>
<p>Process category (PROC) PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles</p>
<p>Process category (PROC) PROC 26: Handling of solid inorganic substances at ambient temperature</p>

Product category used

PC 14: Metal surface treatment products
PC 15: Non-metal-surface treatment products
PC 25: Metal working fluids
PC 31: Polishes and wax blends
PC 34: Textile dyes, and impregnating products
PC 39: Cosmetics, personal care products
PC 0: Other: intermediate

Sector of end use

SU 6b: Manufacture of pulp, paper and paper products
SU 8: Manufacture of bulk, large scale chemicals (including petroleum products)
SU 9: Manufacture of fine chemicals
SU 11: Manufacture of rubber products
SU 13: Manufacture of other non-metallic mineral products, e.g. plasters, cement
SU 15: Manufacture of fabricated metal products, except machinery and equipment
SU 16: Manufacture of computer, electronic and optical products, electrical equipment
SU 17: General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment
SU 18: Manufacture of furniture
SU 19: Building and construction work
SU 23: Electricity, steam, gas water supply and sewage treatment

Substance supplied to that use in form of

as such

in a mixture

Subsequent service life relevant for this use

yes

Total EU tonnage for this use

false

Limited number of sites for this use

false

Widespread uses by professional workers

Uses by professional workers

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Use name

Others: e.g. lubricants and greases, chemical reagents...

Any precursor use(s)

false

Contributing activity / technique for the environment

Environmental release category (ERC) ERC8a: Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
Environmental release category (ERC) ERC8d: Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)
Environmental release category (ERC) ERC9a: Widespread use of functional fluid (indoor)
Environmental release category (ERC) ERC9b: Widespread use of functional fluid (outdoor)

Contributing activity / technique for workers

Process category (PROC) PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)
Process category (PROC) PROC 10: Roller application or brushing
Process category (PROC) PROC 11: Non industrial spraying
Process category (PROC) PROC 13: Treatment of articles by dipping and pouring

Process category (PROC)

PROC 14: Tableting, compression, extrusion, pelletisation, granulation

Process category (PROC)

PROC 15: Use as laboratory reagent

Process category (PROC)

PROC 19: Hand-mixing with intimate contact and only PPE available.

Process category (PROC)

PROC 20: Use of functional fluids in small devices

Process category (PROC)

PROC 21: Low energy manipulation of substances bound in materials and/or articles

Process category (PROC)

PROC 26: Handling of solid inorganic substances at ambient temperature

Product category used

PC 1: Adhesives, sealants

PC 8: Biocidal products (e.g. disinfectants, pest control)

PC 12: Fertilisers

PC 14: Metal surface treatment products

PC 16: Heat transfer fluids

PC 17: Hydraulic fluids

PC 21: Laboratory chemicals

PC 24: Lubricants, greases, release products

PC 25: Metal working fluids

PC 29: Pharmaceuticals

PC 31: Polishes and wax blends

PC 38: Welding and soldering products, flux products

Sector of end use

SU 1: Agriculture, forestry and fishing

SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)

SU 19: Building and construction work

Substance supplied to that use in form of

as such

in a mixture

Subsequent service life relevant to this use

yes

Total EU tonnage for this use

false

Uses by professional workers

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Use name

Fillers

Any precursor use(s)

false

Contributing activity / technique for the environment

Environmental release category (ERC) ERC8a: Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
Environmental release category (ERC) ERC8c: Widespread use leading to inclusion into/onto article (indoor)
Environmental release category (ERC) ERC8d: Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)
Environmental release category (ERC) ERC8e: Widespread use of reactive processing aid (no inclusion into or onto article, outdoor)
Environmental release category (ERC) ERC8f: Widespread use leading to inclusion into/onto article (outdoor)

Contributing activity / technique for workers

Process category (PROC) PROC 9: Transfer of substance or mixture into small containers (dedicated filling line, including weighing)
Process category (PROC) PROC 10: Roller application or brushing
Process category (PROC) PROC 11: Non industrial spraying
Process category (PROC) PROC 13: Treatment of articles by dipping and pouring

Process category (PROC)

PROC 14: Tableting, compression, extrusion, pelletisation, granulation

Process category (PROC)

PROC 15: Use as laboratory reagent

Process category (PROC)

PROC 16: Use of fuels

Process category (PROC)

PROC 19: Hand-mixing with intimate contact and only PPE available.

Process category (PROC)

PROC 21: Low energy manipulation of substances bound in materials and/or articles

Process category (PROC)

PROC 26: Handling of solid inorganic substances at ambient temperature

Product category used

PC 1: Adhesives, sealants

PC 9a: Coatings and paints, thinners, paint removes

PC 9b: Fillers, putties, plasters, modelling clay

PC 9c: Finger paints

PC 18: Ink and toners

PC 26: Paper and board treatment products

PC 35: Washing and cleaning products

Sector of end use

SU 5: Manufacture of textiles, leather, fur

SU 7: Printing and reproduction of recorded media

SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys)

SU 18: Manufacture of furniture

SU 19: Building and construction work

SU 20: Health services

Substance supplied to that use in form of

as such

in a mixture

Subsequent service life relevant to this use

yes

Total EU tonnage for this use

false

Consumer uses

Consumer uses

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Use name

Others: e.g. lubricants and greases, chemical reagents....

Any precursor use(s)

false

Contributing activity / technique for the environment

Environmental release category (ERC) ERC8a: Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
Environmental release category (ERC) ERC8d: Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)
Environmental release category (ERC) ERC9a: Widespread use of functional fluid (indoor)
Environmental release category (ERC) ERC9b: Widespread use of functional fluid (outdoor)

Contributing activity / technique for consumers

Product category (PC) PC 1: Adhesives, sealants
Product category (PC) PC 8: Biocidal products (e.g. disinfectants, pest control)
Product category (PC) PC 12: Fertilisers
Product category (PC) PC 14: Metal surface treatment products
Product category (PC) PC 16: Heat transfer fluids

Product category (PC)

PC 17: Hydraulic fluids

Product category (PC)

PC 24: Lubricants, greases, release products

Product category (PC)

PC 25: Metal working fluids

Product category (PC)

PC 29: Pharmaceuticals

Product category (PC)

PC 31: Polishes and wax blends

Product category (PC)

PC 38: Welding and soldering products, flux products

Subsequent service life relevant to this use

yes

Total EU tonnage for this use

false

Consumer uses

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Use name

Fillers

Any precursor use(s)

false

Contributing activity / technique for the environment

Environmental release category (ERC)

ERC8a: Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

Environmental release category (ERC)

ERC8c: Widespread use leading to inclusion into/onto article (indoor)

Environmental release category (ERC)

ERC8d: Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

Environmental release category (ERC)

ERC8e: Widespread use of reactive processing aid (no inclusion into or onto article, outdoor)

Environmental release category (ERC)

ERC8f: Widespread use leading to inclusion into/onto article (outdoor)

Contributing activity / technique for consumers

Product category (PC)

PC 1: Adhesives, sealants

Product category (PC)

PC 9a: Coatings and paints, thinners, paint removes

Product category (PC)

PC 9b: Fillers, putties, plasters, modelling clay

Product category (PC)

PC 9c: Finger paints

Product category (PC)

PC 18: Ink and toners

Product category (PC)

PC 26: Paper and board treatment products

Product category (PC)

PC 35: Washing and cleaning products

Product category (PC)

PC 39: Cosmetics, personal care products

Subsequent service life relevant to this use

yes

Total EU tonnage for this use

false

Consumer uses

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Use name

Personal care

Any precursor use(s)

false

Contributing activity / technique for the environment

Environmental release category (ERC)

ERC8a: Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

Contributing activity / technique for consumers

Product category (PC)

PC 39: Cosmetics, personal care products

Subsequent service life relevant to this use

yes

Total EU tonnage for this use

false

Consumer uses

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Use name

Abrasives

Any precursor use(s)

false

Contributing activity / technique for the environment

Environmental release category (ERC)
ERC8a: Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)
Environmental release category (ERC)
ERC8d: Widespread use of non-reactive processing aid (no inclusion into or onto article, outdoor)

Contributing activity / technique for consumers

Product category (PC)
PC 14: Metal surface treatment products
Product category (PC)
PC 15: Non-metal-surface treatment products
Product category (PC)
PC 31: Polishes and wax blends
Product category (PC)
PC 34: Textile dyes, and impregnating products
Product category (PC)
PC 39: Cosmetics, personal care products

Subsequent service life relevant to this use

yes

Total EU tonnage for this use

false

Consumer uses

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Use name

Ceramics

Any precursor use(s)

false

Contributing activity / technique for the environment

Environmental release category (ERC)
ERC8c: Widespread use leading to inclusion into/onto article (indoor)

Environmental release category (ERC)
ERC8f: Widespread use leading to inclusion into/onto article (outdoor)

Contributing activity / technique for consumers

Product category (PC)
PC 0: Other: UCN Codes: AO5200, EO7400, EO7900,P15500,R30200

Subsequent service life relevant to this use

yes

Total EU tonnage for this use

false

Service life

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Service life name

Refractories

Any precursor use(s)

false

Article used by

workers

Article category (AC)

AC 4: Stone, plaster, cement, glass and ceramic articles

Contributing activity / technique for the environment

Environmental release category (ERC)

ERC10a: Widespread use of articles with low release (outdoor)

Environmental release category (ERC)

ERC11a: Widespread use of articles with low release (indoor)

Contributing activity / technique for workers

Process category (PROC)

PROC 14: Tableting, compression, extrusion, pelletisation, granulation

Process category (PROC)

PROC 21: Low energy manipulation of substances bound in materials and/or articles

Process category (PROC)

PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting

Process category (PROC)

PROC 23: Open processing and transfer operations with minerals/metals at elevated temperature

Process category (PROC)

PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles

Technical function of the substance during use

other: refractories, ceramics

Total EU tonnage for this use

false

Service life

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Service life name

Others: e.g. lubricants and greases, chemical reagents...

Any precursor use(s)

false

Article used by

workers

Article category (AC)

AC 2: Machinery, mechanical appliances, electrical/electronic articles

AC 8: Paper articles

AC 10: Rubber articles

Contributing activity / technique for the environment

Environmental release category (ERC)

ERC10a: Widespread use of articles with low release (outdoor)

Contributing activity / technique for workers

Process category (PROC)

PROC 14: Tableting, compression, extrusion, pelletisation, granulation

Process category (PROC)

PROC 21: Low energy manipulation of substances bound in materials and/or articles

Process category (PROC)

PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature.
Industrial setting

Process category (PROC)

PROC 23: Open processing and transfer operations with minerals/metals at elevated temperature

Technical function of the substance during use

other: refractories, ceramics

Total EU tonnage for this use

false

Service life

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Service life name

Fillers

Any precursor use(s)

false

Article used by

workers

Article category (AC)

AC 1: Vehicles

AC 5: Fabrics, textiles and apparel

AC 7: Metal articles

AC 8: Paper articles

AC 10: Rubber articles

AC 13: Plastic articles

Substance intended to be released from article

no

Contributing activity / technique for the environment

Environmental release category (ERC)
ERC11a: Widespread use of articles with low release (indoor)

Environmental release category (ERC)
ERC10a: Widespread use of articles with low release (outdoor)

Contributing activity / technique for workers

Process category (PROC)
PROC 14: Tableting, compression, extrusion, pelletisation, granulation

Process category (PROC)
PROC 21: Low energy manipulation of substances bound in materials and/or articles

Process category (PROC)
PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting

Process category (PROC)

PROC 23: Open processing and transfer operations with minerals/metals at elevated temperature

Process category (PROC)

PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles

Process category (PROC)

PROC 25: Other hot work operations with metals

Technical function of the substance during use

other: refractories, ceramics

Total EU tonnage for this use

false

Service life

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Service life name

Ceramics

Any precursor use(s)

false

Article used by

workers

Article category (AC)

AC 2: Machinery, mechanical appliances, electrical/electronic articles

AC 4: Stone, plaster, cement, glass and ceramic articles

Substance intended to be released from article

no

Contributing activity / technique for the environment

Environmental release category (ERC)
ERC10a: Widespread use of articles with low release (outdoor)
Environmental release category (ERC)
ERC11a: Widespread use of articles with low release (indoor)
Environmental release category (ERC)
ERC10b: Widespread use of articles with high or intended release (outdoor)

Contributing activity / technique for workers

Process category (PROC)
PROC 14: Tableting, compression, extrusion, pelletisation, granulation
PROC 21: Low energy manipulation of substances bound in materials and/or articles
PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature. Industrial setting
PROC 23: Open processing and transfer operations with minerals/metals at elevated temperature
PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles

Technical function of the substance during use

other: refractories, ceramics

Total EU tonnage for this use

false

Service life

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Service life name

Glass

Any precursor use(s)

false

Article used by

workers

Article category (AC)

AC 2: Machinery, mechanical appliances, electrical/electronic articles

AC 4: Stone, plaster, cement, glass and ceramic articles

Contributing activity / technique for the environment

Environmental release category (ERC)

ERC10a: Widespread use of articles with low release (outdoor)

ERC11a: Widespread use of articles with low release (indoor)

ERC12c: Use of articles at industrial sites with low release

Contributing activity / technique for workers

Process category (PROC)

PROC 14: Tableting, compression, extrusion, pelletisation, granulation

Process category (PROC)

PROC 21: Low energy manipulation of substances bound in materials and/or articles

Process category (PROC)

PROC 22: Potentially closed processing operations with minerals/metals at elevated temperature.
Industrial setting

Process category (PROC)

PROC 23: Open processing and transfer operations with minerals/metals at elevated temperature

Process category (PROC)

PROC 24: High (mechanical) energy work-up of substances bound in materials and/or articles

Technical function of the substance during use

other: refractories, ceramics

Total EU tonnage for this use

false

Service life

EU: REACH

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Service life name

Others: e.g. lubricants and greases, chemical reagents....

Any precursor use(s)

false

Article used by

consumers

Contributing activity / technique for the environment

Environmental release category (ERC)

ERC10a: Widespread use of articles with low release (outdoor)

Contributing activity / technique for consumers

Article category (AC)

AC 2: Machinery, mechanical appliances, electrical/electronic articles

Article category (AC)

AC 8: Paper articles

Article category (AC)

AC 10: Rubber articles

Technical function of the substance during use

other: refractories, ceramics

Total EU tonnage for this use

false

Service life

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Any precursor use(s)

false

Article used by

consumers

Contributing activity / technique for the environment

Environmental release category (ERC)

ERC10a: Widespread use of articles with low release (outdoor)

ERC11a: Widespread use of articles with low release (indoor)

Contributing activity / technique for consumers

Article category (AC)

AC 2: Machinery, mechanical appliances, electrical/electronic articles

AC 4: Stone, plaster, cement, glass and ceramic articles

Technical function of the substance during use

other: refractories, ceramics

Total EU tonnage for this use

false

Service life

Registration/ Notification status for the use

use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10 tonnes/year per registrant

Any precursor use(s)

false

Article used by

consumers

Contributing activity / technique for the environment

Environmental release category (ERC)

ERC10a: Widespread use of articles with low release (outdoor)

Environmental release category (ERC)

ERC11a: Widespread use of articles with low release (indoor)

Contributing activity / technique for consumers

Article category (AC)

AC 1: Vehicles

AC 5: Fabrics, textiles and apparel

AC 7: Metal articles

AC 8: Paper articles

AC 10: Rubber articles

AC 13: Plastic articles

Technical function of the substance during use

other: refractories, ceramics

Total EU tonnage for this use

false

LEGAL_ENTITY: Almatis GmbH

General information

Legal entity name

Almatis GmbH

Legal entity type

company

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