



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Version number 1

Revision: 28.06.2021

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

1.1. Product identifier For this product no Safety Data Sheet is legally required under European Regulation 1907/2006 (REACH). SAINT-GOBAIN MATERIAUX CERAMIQUES made a decision to deliver appropriate information to their customers in the safe handling and use of this product through this Safe Use Instruction Sheet.

Trade name: **Corindon (AL₂O₃)**

Article code: CERPASS HTB. product code: 0535 – 0537– 9535 – 9537

1.2. Relevant identified uses of the substance or mixture and uses advised against No further relevant information available.

Application of the substance / the mixture: Abrasive used for surface preparation.

Uses advised against: Other uses than the identified uses indicated above.

1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier: SAINT-GOBAIN MATERIAUX CERAMIQUES
 17 rue de l'Artisanat
 45320 COURTENAY, France
 Phone: +33 2 38 28 78 00
 Fax: +33 2 38 28 78 20
 E-mail: cs.courtenay@saint-gobain.com

Further information obtainable from: cs.courtenay@saint-gobain.com

1.4. Emergency telephone number (+) 33 2 38 28 78 00 (company)
 National Poisons Information Service (Birmingham Centre- UK): 0344 892 0111

(Contd. on page 2)



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Version number 1

Revision: 28.06.2021

Trade name: **Corindon (AL2O3)**

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008:

The substance is not classified, according to the CLP regulation.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008:

void

Hazard pictograms:

void

Signal word:

void

Hazard statements:

void

2.3. Other hazards

Results of PBT and vPvB assessment:

This substance does not meet the criteria for classification as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. mixtures

N°CAS	N° EINECS	REACH registration N°	Components	Percentages %
1344-28-1	215-691-6	01-2119529248-35-0082	Oxyde oxide (Al ₂ O ₃)	> 95
57219-64-4	260-633-5	01-2119510148-48-0002	Zirconium basic carbonate	> 2

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation:

Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for several minutes under running water. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if problems persist.

(Contd. on page 3)



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Version number 1

Revision: 28.06.2021

Trade name: **Corindon (AL2O3)**

After swallowing: Rinse mouth.
Do not induce vomiting.
Seek medical treatment.

4.2. Most important symptoms and effects, both acute and delayed No further relevant information available.

4.3. Indication of any immediate medical attention and special treatment needed First Aid, decontamination, treatment of symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

5.2. Special hazards arising from the substance or mixture
The product is non flammable.
In certain fire conditions, traces of other toxic gases cannot be excluded, e.g.:
Metal oxide fume

5.3. Advice for firefighters
Protective equipment: Wear self-contained respiratory protective device.
Wear fully protective suit.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
Avoid formation of dust.
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation.
Do not inhale dust / smoke / mist.
Avoid any contact with eyes or skin.

6.2. Environmental precautions
Dumping into the environment must be prevented.

6.3. Methods and material for containment and cleaning up
Remove mechanically, placing in appropriate containers for disposal.
Use approved industrial vacuum cleaner for removal.
Dispose of the material collected according to regulations.

(Contd. on page 4)



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Version number 1

Revision: 28.06.2021

Trade name: **Corindon (AL2O3)**

6.4. Reference to other sections See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Prevent formation of dust.
Ensure good ventilation/exhaustion at the workplace.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Avoid contact with eyes or skin. Wear personal protective equipment.
Wear personal protective equipment. See section 8.
Keep receptacles tightly sealed.

Information about fire - and explosion protection: No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Storage:
Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: See section 10.5.
Keep away from food, drink and animal feeding stuffs.

Further information about storage conditions: Store in cool, dry conditions in well sealed containers.
National legislation has to be observed!

Storage class: 13 Incombustible solids (DE TRGS 510)

7.3. Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: Technical measures and the application of adequate working methods take priority over the use of personal protection equipment.

(Contd. on page 5)



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Version number 1

Revision: 28.06.2021

Trade name: **Corindon (AL2O3)**

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 1344-28-1 Aluminium oxide

WEL (Great Britain)	Long-term value: 10* 4** mg/m ³ *inhalable dust **respirable dust
---------------------	---

Regulatory information:

WEL (Great Britain): EH40/2011

DNELs

Oral	DNEL - long term - systemic	3.29 mg/kg (consumer)
Inhalative	DNEL - long term - local	15.63 mg/m ³ (worker)

PNECs

PNEC	20 mg/l (sewage treatment plant)
PNEC	74.9 µg/l (fresh water)

8.2. Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.
Do not eat, drink, smoke or sniff while working.
Ensure that washing facilities are available at the work place.
Wash hands before breaks and at the end of work.
Vacuum clean contaminated clothing. Do not blow or brush off contamination.
Store protective clothing separately.

Respiratory protection:

If technical suction or ventilation measures are not possible or are insufficient, protective breathing apparatus must be worn.
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, a self-contained breathing apparatus must be used!
Short term filter device:
Filter P2
Filter P3

Protection of hands:

Tested protective gloves are to be worn. When handling chemical substances, chemical protective gloves must be worn with CE label including a four digit code. Type of chemical protective gloves to choose depends on the concentration and quantity of dangerous substances as well as on work place specifications. In the cases of

(Contd. on page 6)



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Version number 1

Revision: 28.06.2021

Trade name: **Corindon (AL2O3)**

Material of gloves:	special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. Recommendation: Nitrile rubber, NBR
Penetration time of glove material:	The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Dust protection goggles

Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

General Information

Appearance:

Form:	Powder Granulate
Colour:	White
Odour:	Odourless

pH-value: No data available.

Change in condition

Melting point/freezing point:	2000 °C
Initial boiling point and boiling range:	Undetermined. Flash

point: Not applicable.

Flammability (solid, gas): Product is not flammable.

Decomposition temperature: Not determined.

Auto-ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

Vapour pressure: Not applicable.

(Contd. on page 7)



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Version number 1

Revision: 28.06.2021

Trade name: **Corindon (AL2O3)**

Density:

Bulk density: 500-2500 kg/m³

Relative density: 3.9 - 4.7 g/cm³

Solubility in / Miscibility with water: Insoluble.

9.2. Other information No further relevant information available.

SECTION 10: Stability and reactivity

10.1. Reactivity The product is stable under standard conditions (temperature, pressure) of storage and handling.

10.2. Chemical stability The product is stable under standard conditions (temperature, pressure) of storage and handling.

10.3. Possibility of hazardous reactions Reacts with halogenated compounds.

10.4. Conditions to avoid No further relevant information available.

10.5. Incompatible materials
Acids
Oxidizing agents
Bases
Sodium nitrate
Fluorine

10.6. Hazardous decomposition products
In case of fire, the following products can be released:
Metal oxid fume

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Based on available data, the classification criteria are not met.

LD/LC50 values:

Oral	LD50	>10,000 mg/kg (rat) (OECD 401)
Inhalative	LC50/4h	>5.09 mg/l (rat) (OECD 403)

(Contd. on page 8)



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Version number 1

Revision: 28.06.2021

Trade name: **Corindon (AL2O3)**

Primary irritant effect:	
Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Serious eye damage/irritation:	Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation:	Based on available data, the classification criteria are not met.
CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):	
Germ cell mutagenicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Reproductive toxicity:	Based on available data, the classification criteria are not met.
STOT-single exposure:	Based on available data, the classification criteria are not met.
STOT-repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration hazard:	Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity	
Aquatic toxicity:	No relevant information available.
12.2. Persistence and degradability	No further relevant information available.
12.3. Bioaccumulative potential	No further relevant information available.
12.4. Mobility in soil	No further relevant information available.
General notes:	Generally not hazardous for water
12.5. Results of PBT and vPvB assessment	
PBT:	Not applicable.
vPvB:	Not applicable.
12.6. Other adverse effects	No further relevant information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods	
Recommendation:	Waste disposal according to official state regulations.

(Contd. on page 9)



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Version number 1

Revision: 28.06.2021

Trade name: **Corindon (AL2O3)**

Uncleaned packaging:

Recommendation:

Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

Packagings that may not be cleaned are to be disposed of in the same manner as the product.

SECTION 14: Transport information

14.1. UN-Number

ADR, ADN, IMDG, IATA

Void.

14.2. UN proper shipping name

ADR, ADN, IMDG, IATA

Void.

14.3. Transport hazard class(es)

ADR, ADN, IMDG, IATA

Class

Void.

14.4. Packing group

ADR, IMDG, IATA

Void.

14.5. Environmental hazards

Marine pollutant:

No

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of

Marpol and the IBC Code

Not applicable.

UN "Model Regulation":

Void.

SECTION 15: Regulatory information

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

EU-Regulations

Regulation (EC) No 1907/2006 (REACH)

Regulation (EC) No 1272/2008 (CLP)

Regulation 98/24/EC (employee health protection)

(Contd. on page 10)



Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2020/878

Version number 1

Revision: 28.06.2021

Trade name: **Corindon (AL2O3)**

National regulations:

Information about limitation of use: Employment restrictions concerning juveniles must be observed.
Employment restrictions concerning pregnant and lactating women must be observed.
Employment restrictions concerning women of child-bearing age must be observed.

Other regulations, limitations and prohibitive regulations: National legislation has to be observed!

15.2. Chemical safety assessment A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

Training hints: The product should only be handled by persons, who were informed sufficiently about the nature of the product and about the necessary safety precautions.

Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

Sources: Data arise from reference works and literature.

Replace the version : -