



SAFETY DATA SHEET

according to Regulation (EC) No 1907/2006 (REACH) as amended

ATLAS NEXUS

Creation date	25th January 2021	Version	2.0
Revision date	03rd September 2025	Revision no.	

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

1.1. Product identifier

ATLAS NEXUS

Substance / mixture

mixture

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

Mixture's intended use

Plastering mortar.

Mixture uses advised against

The product should not be used in ways other than those referred in Section 1.

1.3. Details of the supplier of the safety data sheet

Supplier

Name or trade name

ATLAS sp. z o.o.

Address

ul. Jana Kilińskiego 2, Łódź, 91-421
Poland

VAT number

PL9471936467

Phone

+48 42 631 88 00

Email

msds@atlas.com.pl

Web address

www.atlas.com.pl

Competent person responsible for the safety data sheet

Name

ATLAS sp. z o.o.

Email

msds@atlas.com.pl

1.4. Emergency telephone number

National Health Service (NHS) 111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification of the mixture in accordance with Regulation (EC) No 1272/2008

The mixture is classified as dangerous.

Skin Irrit. 2, H315

Skin Sens. 1, H317

Eye Dam. 1, H318

Most serious adverse effects on human health and the environment

Causes serious eye damage. May cause an allergic skin reaction. Causes skin irritation. May cause respiratory irritation.

2.2. Label elements

Hazard pictogram



Signal word

Danger

Hazardous substances

Cement, portland, chemicals

Flue dust, portland cement

Hazard statements

H315

Causes skin irritation.

H317

May cause an allergic skin reaction.



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H318 Causes serious eye damage.

Precautionary statements

P102	Keep out of reach of children.
P261	Avoid breathing dust.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water with soap..
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P501	Dispose of contents/container to properly marked containers for selective waste collection emptied by an authorized company.

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Does not contain any PMT or vPvM components.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of substances and additives specified below.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 14808-60-7 EC: 238-878-4	Quartz sand	45-55	not classified as dangerous	
CAS: 7778-18-9 EC: 231-900-3 Registration number: 01-21 19444918-26-0138	calcium sulfate	32-40	not classified as dangerous	
CAS: 1317-65-3 EC: 215-279-6 Registration number: zwol. z art.2 i zał.IV REACH	Węglan wapnia	9-11	not classified as dangerous	1
CAS: 65997-15-1 EC: 266-043-4	Cement, portland, chemicals	7-10	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318 STOT SE 3, H335	1
CAS: 1305-62-0 EC: 215-137-3 Registration number: 01-2119475151-45	calcium hydroxide	1-2	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335	1



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Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note
CAS: 68475-76-3 EC: 270-659-9 Registration number: 01-2119486767-17-0066	Flue dust, portland cement	0.01-0.03	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318 STOT SE 3, H335	

Notes

1 A substance for which exposure limits are set.

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that airways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

If inhaled

Terminate the exposure immediately; move the affected person to fresh air. Protect the person against growing cold. Provide medical treatment if irritation, dyspnoea or other symptoms persist.

If on skin

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Soap, soap solution or shampoo should be used if there is no skin injury. Provide medical treatment if skin irritation persists.

If in eyes

Do not rub your eyes – it could lead to mechanical damage of the cornea. Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. No neutralization should be performed in any case! Rinsing should be continued for 10-30 minutes from the inner to the outer eye corner to make sure that the other eye is not involved. Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible. Everyone must be referred for treatment even if affected only a little.

If swallowed

Rinse out the mouth with water and provide 0.2-0.5 L of water. Provide medical treatment if the person has any health problems.

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

If inhaled

Inhaling dust can cause corrosion of the breathing system. May cause respiratory irritation.

If on skin

May cause an allergic skin reaction.

If in eyes

Causes serious eye damage.

If swallowed

Corrosion of the digestion system can occur.

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

Symptomatic treatment.



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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist.

Unsuitable extinguishing media

Water - full jet.

5.2. Special hazards arising from the substance or mixture

In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment for work. Follow the instructions in the Sections 7 and 8. Do not inhale dust. Prevent contact with skin and eyes.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water.

6.3. Methods and material for containment and cleaning up

Place the product mechanically in an appropriate manner. Dispose of the collected material according to the instructions in the section 13.

6.4. Reference to other sections

See the Section 7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent dust concentrations from exceeding the maximum permissible levels for the working environment. Do not inhale dust. Prevent contact with skin and eyes. Contaminated work clothing should not be allowed out of the workplace. Wash hands and exposed parts of the body thoroughly after handling. Use only outdoors or in a well-ventilated area. Use personal protective equipment as per Section 8. Observe valid legal regulations on safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in closed, original and labeled packages in in dry, cool and well-ventilated rooms, preferably on pallets, do not expose directly to sunlight. Store away from incompatible materials, drinks and food. Protect against moisture - the product is irreversible hardening under the influence of moisture. The bags should be stacked in a manner for stability. Under the above conditions, none are known adverse interactions.

7.3. Specific end use(s)

not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which occupational exposure limits are set.

United Kingdom

EH40/2005 Workplace exposure limits (Fourth Edition 2020)

Substance name (component)	Type	Value
calcium hydroxide Respirable fraction (CAS: 1305-62-0)	WEL 8h	1 mg/m ³



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United Kingdom EH40/2005 Workplace exposure limits (Fourth Edition 2020)

Substance name (component)	Type	Value
calcium hydroxide Respirable fraction (CAS: 1305-62-0)	WEL 15min	4 mg/m ³
calcium hydroxide (CAS: 1305-62-0)	WEL 8h	5 mg/m ³

United Kingdom EH40/2005 Workplace exposure limits (Fourth Edition 2020)

Substance name (component)	Type	Value
Węglan wapnia (CAS: 1317-65-3)	WEL 8h	10 mg/m ³
Cement, portland, chemicals (CAS: 65997-15-1)	WEL 8h	10 mg/m ³

Notes

Inhalable dust.

United Kingdom EH40/2005 Workplace exposure limits (Fourth Edition 2020)

Substance name (component)	Type	Value
Cement, portland, chemicals (CAS: 65997-15-1)	WEL 8h	4 mg/m ³

Notes

Respirable dust.

United Kingdom EH40/2005 Workplace exposure limits (Fourth Edition 2020)

Substance name (component)	Type	Value
Węglan wapnia (CAS: 1317-65-3)	WEL 8h	4 mg/m ³

Notes

Respirable.

8.2. Exposure controls

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye/face protection

Protective goggles or face shield (based on the nature of the work performed).

Skin protection

Hand protection: Protective gloves resistant to the product. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. Observe other recommendations of the manufacturer. Other protection: protective workwear. Contaminated skin should be washed thoroughly.

Respiratory protection

Use a mask with anti-dust filter when the exposition limits of the substances are exceeded or at the place with insufficient ventilation.

Thermal hazard

Data not available.

Environmental exposure controls

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance



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physical state	solid at 20 °C
form	solid, powder
Węglan wapnia (CAS: 1317-65-3)	solid: particulate/powder, proszek
color	data not available
Odour	without fragrance
pH	11 (50% solution at 20 °C)
Cement, portland, chemicals (CAS: 65997-15-1)	11-13.5 (50% solution at 20 °C)
Węglan wapnia (CAS: 1317-65-3)	8-9 (5% solution at 25 °C)
Melting point/freezing point	not determined
Węglan wapnia (CAS: 1317-65-3)	>600 °C
Initial boiling point and boiling range	not determined
Flash point	not applicable
Flammability (solid, gas)	non-inflammable
Upper/lower flammability or explosive limits	
explosive limits	not applicable
Vapour pressure	not applicable
Solubility(ies)	
solubility in water	partially soluble
Partition coefficient: n-octanol/water	not determined
Auto-ignition temperature	not applicable
Decomposition temperature	not determined
Węglan wapnia (CAS: 1317-65-3)	>600 °C (węglan wapnia rozkłada się na tlenek wapnia i dwutlenek węgla)
Viscosity	
Kinematic viscosity	not determined
Density	not determined
Cement, portland, chemicals (CAS: 65997-15-1)	2.75-3.20 g/cm ³ at 20 °C
Węglan wapnia (CAS: 1317-65-3)	2.71-2.94 g/cm ³ at 20 °C
9.2. Other information	
particle characteristics	0-1.5 mm
relative vapour density	not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

not available

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Unknown.

10.4. Conditions to avoid

The product is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost.

10.5. Incompatible materials

May be corrosive to metals.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.



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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhaling dust at concentrations exceeding occupational exposure limits may lead to acute inhalation poisoning, depending on the concentration and duration of exposure. No toxicological data is available for the mixture.

Acute toxicity

Based on available data the classification criteria are not met.

Węglan wapnia						
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex
Oral	LD ₅₀	OECD 420	>2.000 mg/kg		Rat (Rattus norvegicus)	
Inhalation	LD ₅₀	OECD 403	>2.000 mg/kg		Rat (Rattus norvegicus)	
Inhalation	LC ₅₀	OECD 403	>3 mg/kg	4 hours	Rat (Rattus norvegicus)	

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye damage.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

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.

Toxicity for specific target organ - single exposure

May cause respiratory irritation.

Toxicity for specific target organ - 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

Data for the mixture: The product is not classified as hazardous to the environment.



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Acute toxicity

Węlan wapnia					
Parameter	Method	Value	Exposure time	Species	Environment
LC ₅₀	OECD 203	100 %	96 hours	Fish (Oncorhynchus mykiss)	
EC ₅₀	OECD 201	>14 mg/l	72 hours	Algae (Selenastrum capricornutum)	
LC ₅₀	OECD 207		14 days	Microorganisms (Eisenia fetida)	

Chronic toxicity

Węlan wapnia					
Parameter	Method	Value	Exposure time	Species	Environment
EC ₅₀	OECD 208	>1.000 mg/l	3 hours	Bacteria (Salmonella typhimurium)	Activated sludge
LC ₅₀	OECD 202	100 %	48 hours	Daphnia (Daphnia magna)	

12.2. Persistence and degradability

The substance is an inorganic material. Once hardened, it poses no risk of toxicity.

12.3. Bioaccumulative potential

Does not bioaccumulate.

12.4. Mobility in soil

The product is soluble and mobile in water and soil. Calcium sulphate is neutral in soil. If it enters the soil, it is mobile and can contaminate groundwater. Cement is not mobile. It forms lumps.

12.5. Results of PBT and vPvB assessment

Based on the available data, the criteria for classification of the mixture are not met. Does not contain any PBT or vPvB components.

12.6. Other adverse effects

none

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Hazard of environmental contamination; dispose of the waste in accordance with the local and/or national regulations. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy. Perfectly cleaned containers can be submitted for recycling.

Waste management legislation

Producer Responsibility Obligations (Packaging Waste) Regulations 2007 (S.I. No. 871 of 2007). Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended. Decision 2000/532/EC establishing a list of wastes, as amended.



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SECTION 14: Transport information

14.1. UN number

not subject to transport regulations

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

Reference in the Sections 4 to 8.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not relevant

SECTION 15: Regulatory information

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

Clean Air Act 1993 as amended. The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 as amended. Public health act 1961. Environmental Protection Act 1990 as amended. Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

15.2. Chemical safety assessment

not available

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.

Guidelines for safe handling used in the safety data sheet

P102	Keep out of reach of children.
P261	Avoid breathing dust.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of water with soap..
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.



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P333+P313

If skin irritation or rash occurs: Get medical advice/attention.

P501

Dispose of contents/container to properly marked containers for selective waste collection emptied by an authorized company.

Other important information about human health protection

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

Key to abbreviations and acronyms used in the safety data sheet

ADR	Agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC ₅₀	Concentration of a substance when it is affected 50 % of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency Response Procedures for Ships Carrying Dangerous Goods
EU	European Union
EuPCS	European Product Categorisation System
Eye Dam.	Serious eye damage
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC ₅₀	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD ₅₀	Lethal dose of a substance in which it can be expected death of 50% of the population
log Kow	Octanol-water partition coefficient
MARPOL	International Convention for the Prevention of Pollution from Ships
OEL	Occupational Exposure Limits
PBT	Persistent, bioaccumulative and toxic
PMT	Persistent, mobile and toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulation concerning the International Carriage of Dangerous Goods by Rail
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitization
STOT SE	Specific target organ toxicity - single exposure
UN number	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds



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vPvB Very persistent and very bioaccumulative

vPvM Very persistent and very mobile

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

The changes (which information has been added, deleted or modified)

The version 2.0 replaces the SDS version from Friday, 20 October 2023. Changes were made in sections 1, 2, 11, 12, 13, 15 and 16.

More information

Classification procedure – calculation method, product experience.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.
