Safety Data Sheet

SLV Internal

According to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No. 2020/878)

Version:1
Version date:20/03/2022
Language:EN

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

1.1. Product identifier

Trade name/designation : SLV Internal
UFI : 6600-40WW-S00D-5QCH

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

Relevant identified uses : Main use category: Professional use, Industrial use.
Industrial/Professional use: Common cements and cement containing mixtures (hydraulic binders) are used industrially, by professionals in building and construction work, indoor. The identified uses of cements and cement containing mixtures cover the dry products and the products in a wet suspension.
Use of the substance/mixture: Fire protection of structures in steel, concrete and wood, indoor.
Function or use category: Flame retardants and fire preventing agents.

Uses advised against : Any other intended applications should be discussed with the manufacturer.

1.3. Details of the supplier of the safety data sheet

Supplier :
Name: NESTAAN SA
Street: Rue du Bois des Hospices 2
Postal code/City: 7522 Blandain
Country: Belgique
Telephone: +32 (69) 77 83 20
Telefax: +32 (69) 22 95 27
E-mail: infonestaan@nhb.be

1.4. Emergency Telephone Number

Belgium: Anti poison center: +32 (0) 70 245 245

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Hazards identification

Classification	Hazard statements (H)	
Skin Corr. 1A	H314	Causes severe skin burns and eye damage.
Skin Sens. 1B	H317	May cause an allergic skin reaction.
STOT SE 3	H335	May cause respiratory irritation

2.2. Label elements

Labelling

Hazard pictograms

Signal word	Danger
Product identifiers	-
Hazard Statements	H314 - Causes severe skin burns and eye damage. H317 - May cause an allergic skin reaction. H335 - May cause respiratory irritation
Supplemental Hazard information (EU)	-
Precautionary Statements - General	-
Precautionary Statements - Prevention	P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash hands thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statements - Response	P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P302+P352 - IF ON SKIN: Wash with plenty of water. P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/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.
Precautionary Statements - Storage	P405 - Store locked up.
Precautionary Statements - Disposal	P501 - Dispose of contents and container in accordance with local regulations.

Contains: Cement, portland, chemicals

2.3. Other hazards

Other adverse effects : Skin contact with wet cement, fresh concrete or mortar may cause irritation, dermatitis or burns.May cause damage to products made of aluminium or other non-noble metals. Cement is eithernaturally low in soluble chromium VI or reducing agents have been added to control the levelsof sensitising soluble chromium (VI) to below 2mg/kg (0.0002%) of the total dry weight of thecement ready for use according to legislation specified under Section 15.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

The mixture does not contain any substances classified as Substances of Very High Concern (SVHC) by the European CHemicals Agency (ECHA) under article 57 of REACH: http://echa.europa.eu/fr/candidate-list-table.

Substance	C (%)	Classification	Specific concentration limits	Note
Vermiculite CAS N°:1318-00-9 EC N°: IDX N°:	C< 50.0%	-	-	-
calcium carbonate CAS N°:471-34-1 EC N°:207-439-9 IDX N°:	C< 50.0%	-	-	[1]

Cement, portland, chemicals CAS N°:65997-15-1 EC N°:266-043-4 IDX N°:	C< 50.0%	H315: Causes skin irritation. H317: May cause an allergic skin reaction. H318: Causes serious eye damage. H335: May cause respiratory irritation	-	-

[1] Substance for which maximum workplace exposure limits are available.

3.3. Remark

Text phrases and H- EUH-: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information : In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Remove victim out of the danger area.
Keep affected person warm, still and covered.
Do not leave affected person unattended.

Following inhalation : Remove person to fresh air and keep comfortable for breathing.
If the victim is unconscious but breathing normally, place her in recovery position and seek medical advice.
No resuscitation mouth-to-mouth or mouth-to-nose. Ambu use a mask or respirator.

Following skin contact : In case of skin irritation, consult a physician.
Remove contaminated, saturated clothing immediately.
After contact with skin, wash immediately with plenty of water and soap.
In case of skin reactions, consult a physician.
Take off immediately all contaminated clothing.
Immediate medical treatment required because corrosive injuries that are not treated are hard to cure.

Following eye contact : Remove contact lenses, if present and easy to do. Continue rinsing.
Protect unharmed eye.
In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion : Never give anything by mouth to an unconscious person or a person with cramps.
IF SWALLOWED: Rinse mouth.
Do NOT induce vomiting.

Self-protection of the first aider : First aider: Pay attention to self-protection!.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

Notes for the doctor : Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Foam.
Extinguishing powder.
Carbon dioxide (CO2).

Sand.

Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

- Fire hazard: Non combustible.
- Explosion hazard: Not applicable.
- Reactivity in case of fire: None under normal conditions.
- Hazardous decomposition products in case of fire: None known.

5.3. Advice for firefighters

- Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

- Do not inhale vapors and fumes.
- Co-ordinate fire-fighting measures to the fire surroundings.
- Move undamaged containers from immediate hazard area if it can be done safely.
- Use caution when applying carbon dioxide in confined spaces. carbon dioxide can displace oxygen.
- Use water spray jet to protect personnel and to cool endangered containers.
- Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- Use personal protection equipment.
- Remove persons to safety.
- Use appropriate respiratory protection.
- Provide adequate ventilation.

6.2. Environmental precautions

- Ensure that waste is collected and contained.
- In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

- Treat the recovered material as prescribed in the section on waste disposal.
- Collect in closed and suitable containers for disposal.
- Clean contaminated objects and areas thoroughly observing environmental regulations.
- Ventilate affected area.

6.4. Reference to other sections

- Safe handling: see section 7.
- Disposal: see section 13.
- Personal protection equipment: see section 8.

6.5. Additional information

Not available

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

- Avoid exposure - obtain special instructions before use.
- Use only outdoors or in a well-ventilated area.

PROTECTIVE MEASURES

- Avoid contact with skin, eyes and clothes.
- Wear personal protective clothing (see section 8).
- Sewers and ducts must be protected against the entry of the product.
- Do not put any product-impregnated cleaning rags into your trouser pockets.
- Use only in well-ventilated areas.
- Provide adequate ventilation as well as local exhaustion at critical locations.
- If local exhaust ventilation is not possible or not enough, the entire work area must be ventilated by technical means.
- Dust should be exhausted directly at the point of origin.
- Avoid breathing dust.
- Only allow access to authorised staff.

Advices on general occupational hygiene

- Provide eye shower and label its location conspicuously
- Wash hands before breaks and after work.
- Wash contaminated clothing before reuse.
- Street clothing should be stored seperately from work clothing.
- Remove contaminated, saturated clothing immediately.
- Work in well ventilated zones or use proper respiratory protection.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions:
- Store in a well-ventilated place.
- Protect against frost.
- Do not stack pallets on each other.
- Packed products should be stored in unopened bags clear of the ground in cool, dry conditionsand protected from excessive draught in order to avoid degradation of quality.
- Bags should be stacked in a stable manner.
- Do not use aluminium containers for the storage or transport of wet cement containing mixtures due to incompatibility of the materials.

Heat and ignition sources:
- Protect from heat and direct sunlight.

Requirements for storage rooms and vessels

- Ensure adequate ventilation of the storage area.
- Store locked up.

Advice on joint storage

- Keep away from food, drink and animal feedingstuffs.

7.3. Specific end uses

- Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Substance	Value	Unit	Type
calcium carbonate CAS: 471-34-1 (IE)	10	mg/m³	Exposure limit (8 hours)
calcium carbonate CAS: 471-34-1 (GB)	10	mg/m³	Exposure limit (8 hours)
SLV Internal	10	mg/m³	Short-Term Exposure Limits (15 minutes)

Portland cement CAS: 65997-15-1	10	mg/m³	Exposure limit (8 hours)
vermiculite CAS: 1318-00-9	10	mg/m³	Short-Term Exposure Limits (15 minutes)

8.2. Exposure controls

Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.
Provide adequate ventilation as well as local exhaustion at critical locations.

Personal protection equipment

Eye/face protection : Suitable eye protection: Wear eye protection equipment.

Recommended eye protection articles:

- Eye glasses with side protection
- Face protection shield

Skin protection : **Hand protection:**

- Wear protective gloves.
- NBR (nitrile rubber)
- Butyl caoutchouc (butyl rubber)
- Do not wear gloves near machines and rotating tools.
- Use gloves only once.
- When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits.
- The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.
- For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
- Breakthrough times and swelling properties of the material must be taken into consideration.

Body protection:

- Lab coat.
- Chemical resistant safety shoes

Respiratory protection : Respiratory protection necessary at: If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.
Suitable respiratory protection apparatus: Wear respiratory protection.

Remark:

- 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, self-contained breathing apparatus must be used.
- Observe the wear time limits as specified by the manufacturer.
- Use only respiratory protection equipment with CE-symbol including four digit test number.

8.3. Additional information

Not available

SECTION 9: Physical and chemical Properties

9.1. Information on basic physical and chemical properties

Physical state:	Solid
Appearance:	Powder
Colour:	Grey
Odour:	Odourless
Odour threshold:	Not available
pH:	11-12 wet product
Melting point:	1500°C
Initial boiling point and boiling range:	Not available
Flash point:	Not available
Evaporation rate:	Not available
Flammability:	Not available
Upper/lower flammability or explosive limits:	Not available
Vapour pressure:	Not available
Vapour density:	Not available
Relative density:	Not available
Density:	350-400 cured form
Solubility(ies):	Poorly Soluble In Water. Water: 0,1 - 1,5 g/l Data apply to the main component
Partition coefficient: n-octanol/water (Log KOC):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
Explosive properties:	To Our Knowledge, This Product Does Not Present Any Particular Risk, Provided It Is Handled In Accordance With Good Occupational Hygiene And Safety Practice.
Oxidising properties:	Not available
Solubility in other Solvents:	Not available
Log Kow:	Not available

9.2. Other safety information

Not available

SECTION 10: Stability and Reactivity

10.1. Reactivity

Product - after addition of water, hardened condition: The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.
Wet cement is alkaline and incompatible with acids, with ammonium salts, with aluminium or other non-noblemetals.
Cement dissolves in hydrofluoric acid to produce corrosive silicon tetrafluoride gas.
Cement reacts with water to form silicates and calciumhydroxide.
Silicates in cement react with powerful oxidizers such as fluorine, boron trifluoride, chlorine trifluoride, managanese trifluoride, andoxygen difluoride.

10.3. Possibility of hazardous reactions

None under normal conditions.
Polymerisation: none.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

Avoid dust formation.
Moisture.

10.5. Incompatible materials

Acids and Bases.
Strong oxidizers.
Ammonium salts.
Aluminium.
Aluminium powder.
May cause damage to products made of aluminium or other non-noble metals.

10.6. Hazardous decomposition products

None under normal conditions.

10.7. Additional information

Not available

SECTION 11: Toxicological information

11.1. Acute oral toxicity

Data for mixture
Not available
Substances
Not available

11.2. Acute skin toxicity

Data for mixture
Not available
Substances
Not available

11.3. Acute inhalation toxicity

Data for mixture
Not available
Substances
Not available

11.4. Skin corrosion

Data for mixture
The product is classified Skin Corr. 1A according to the referenced regulation.
Causes severe skin burns and eye damage.
Substances
Not available

11.5. Eye damage

Data for mixture
The product is classified Eye Dam. 1 according to the referenced regulation.
Causes serious eye damage.
Substances
Not available

11.6. Skin sensitisation

Data for mixture
The product is classified Skin Sens. 1B according to the referenced regulation.
May cause an allergic skin reaction.
Substances
Not available

11.7. STOT SE

Data for mixture

The product is classified STOT SE 3_H335 according to the referenced regulation.
May cause respiratory irritation.

Substances

Not available

11.8. STOT RE

Data for mixture

Not available

Substances

Not available

11.9. Carcinogenicity

Data for mixture

Not available

Substances

Not available

11.10. Reproductive and Developmental Toxicity

Data for mixture

Not available

Substances

Not available

11.11. Genotoxicity

Data for mixture

Not available

Substances

Not available

11.12. Respiratory sensitisation

Data for mixture

Not available

Substances

Not available

11.13. Additional information

Not available

SECTION 12: Ecological information

12.1. Toxicity

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

12.2. Persistence and degradability

The product has not been tested.

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

12.7. Additional ecotoxicological information

Not available

SECTION 13: Disposal considerations

13.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

- Disposal must be done according to official regulations.
- The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

Waste treatment options

- Remove waste in accordance with local and/or national regulations.
- Recycle/reuse.
- Precipitate/make insoluble.
- Remove to an authorized dump.
- Do not discharge into the sewer.
- Do not discharge into surface water.
- Obtain the consent of pollution control authorities beforedischarging to wastewater treatment plants.
- Waste requiring special supervision.
- Dispose of waste according to applicable legislation.
- Delivery to an approved waste disposal company.
- Non-contaminated packages must be recycled or disposed of.
- Contaminated packing must be completely emptied and can be reused after proper cleaning.
- Packing which cannot be properly cleaned must be disposed of.
- Handle contaminated packages in the same way as the substance itself.
- Dispose of waste according to applicable legislation.

- Waste treatment methods: Collect all waste in suitable and labelled containers and dispose according to local legislation.
- Sewage disposal recommendations: Do not discharge into drains or the environment.

Other disposal recommendations

- Handle uncleaned empty containers as full ones. Empty containers should be taken forrecycling, recovery or waste in accordance with local regulation.
- Ecology - waste materials: Disposal through controlled incineration or authorised waste dump. Dispose of in accordancewith local laws/regulations. Avoid disposal in sewage systems. Dispose of the hardenedproduct as a concrete waste. Due to the inert nature of concrete, concrete wastes are notconsidered as hazardous.

Remark

- For recycling, contact manufacturer.
- Collect the waste separately.
- Consult the appropriate authorities about waste disposal.
- Do not mix with other wastes.
- The waste is to be kept separate from other types of waste until its disposal.
- Concerning the waste it has to be checked, whether a transport authorisation is required.

SECTION 14: Transport information

14.1. UN number

Not available

14.2. UN proper shipping name

Not available

14.3. Transport hazard class(es)

Not available

14.4. Packing group

Not available

14.5. Environmental hazards

Not available

14.6. Special precautions for user

Not available

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not available

14.8. Additional information

Not available

SECTION 15: Regulatory information

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

This SDS has been established in accordance with REACH regulation, including its amendments: REACH Regulation (EC) No 1907/2006.
This SDS has been established in accordance with CLP regulation, including its amendments: CLP Regulation EC No. 1272/2008.

Contains no REACH substances with Annex XVII restrictions.
Contains no substance on the REACH candidate list.
Contains no REACH Annex XIV substances.

Other information, restriction and prohibition regulations: If applicable information is provided in this section on other hazards which do not result inclassification but which may contribute to the overall hazards of the substance or mixture. Thisdoes not in any way excuse the user from knowing and applying all the regulations governinghis activity. It is the sole responsibility of the user to take all precautions required in handling theproduct.
REACH annex XVII indicators.

1.Cement and cement-containing mixtures shall not beplaced on the market, or used, if they contain, when hydrated, more than 2 mg/kg (0,0002 %)soluble chromium VI of the total dry weight of the cement.
2.If reducing agents are used, then without prejudice to the application of other Communityprovisions on the classification, packaging and labelling of substances and mixtures, suppliersshall ensure before the placing on the market that the packaging of cement or cementcontainingmixtures is visibly, legibly and indelibly marked with information on the packing date,as well as on the storage conditions and the storage period appropriate to maintaining theactivity of the reducing agent and to keeping the content of soluble chromium VI below the limitindicated in paragraph 1.
3.By way of derogation, paragraphs 1 and 2 shall not apply to the placing on the market for,and use in, controlled closed and totally automated processes in which cement and cementcontainingmixtures are handled solely by machines and in which there is no possibility ofcontact with the skin.
4. The standard adopted by the European Committee for Standardization (CEN) for testing thewater-soluble chromium (VI) content of cement and cement-containing mixtures shall be usedas the test method for demonstrating conformity with paragraph 1.

National regulations

Users should ensure that they comply with any relevant local, provincial or national legislation.

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.
For this substance/mixture a chemical safety assessment has been elaborated.
For this mixture, the relevant data of the Substances' Chemical safety assessment are integrated in the sections of the SDS.

15.3. Additional information

Not available

SECTION 16: Other information

Creation date:	20/03/2022
Version date:	20/03/2022
Printing date:	08/04/2022

16.1. Indication of changes

Not applicable (first edition of the MSDS).

16.2. Abbreviations and acronyms

CAS: Chemical Abstract Service Number.
IATA: International Air Transport Association.
IMDG: International Maritime Dangerous Goods Code.
DPD Dangerous Preparation Directive.
UN number: United Nations number.
No EC: European Commission Number.
ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on the waterways.
ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road/Regulations concerning the international carriage of dangerous goods by rail.
CLP: Classification, labeling and packaging.
VPvB: very persistent and very bioaccumulative substances.

16.3. Key literature references and sources for data

No data available.

16.4. Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008.

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

H314	Skin Corr. 1A	Causes severe skin burns and eye damage.
H315	Skin Irrit. 2	Causes skin irritation.
H317	Skin Sens. 1B	May cause an allergic skin reaction.
H318	Eye Dam. 1	Causes serious eye damage.
H335	STOT SE 3 H335	May cause respiratory irritation

16.6. Training advice

Refer to Sections 4, 5, 6, 7 and 8 of this safety data sheet.

16.7. Additional information

Not available

The information given in this Safety Data Sheet is based on our present knowledge and on European and national regulations.This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified

uses.The product mustn't be used for any uses other than those identified under heading 1.Since the user's working conditions are not known by us, it is the responsability of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.