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Supersedes V: 3.0

SAFETY DATA SHEET

Enhance 'N' Seal

Prepared in accordance with Regulation (EC) No 1907/2006 (REACH) Annex II, as amended by Commission Regulation (EU) 2020/878

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

1.1 Product identifier

Trade Name: Enhance 'N' Seal

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

Identified use: Water repellent and sealer for stone products
Uses advised against: Uses other than the recommended use.

1.3 Details of the supplier of the safety data sheet

All For Stone Limited
4 Gardd Yr Gwanwyn, Northrop Hall
Mold, Flintshire, CH7 6GA
Wales, United Kingdom
Tel: +44 (0)1244 535127 (office hours)
E-mail: info@celtexagencies.co.uk

1.4 Emergency telephone number

Tel: +44 (0)1244 535127 (office hours)

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 (CLP):

Hazard Class	Category	Hazard Statement
Flammable Liquids	Category 3	H226
Skin Irritation/Corrosion	Category 2	H315
Eye Irritation	Category 2	H319

2.2 Label elements

Labelling in accordance with Regulation (EC) No 1272/2008 (CLP)

Signal Word: WARNING

Hazard Statements:

H226	flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.

Precautionary Statements:

Prevention	
P101	If medical advice is needed, have product container or label at hand.
P102	Keep away from children
P210	Keep away from heat, sparks, open flames, hot surfaces. No smoking.
P233	Keep container tightly closed.
P260	Do not breathe vapours/mists/spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P272	Contaminated work clothing must not be allowed out of the workplace.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
Response	
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P303+P361+P353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P312	Call a POISON CENTRE or doctor if you feel unwell.
P321	Specific treatment: see section 4 of this SDS.
P330	Rinse mouth.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use dry powder, carbon dioxide or foam for extinction.
Storage	
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
Disposal	
P501	Dispose of contents/container to an authorised hazardous waste facility, in accordance with local/national regulations.

2.3 Other hazards

This material may generate formaldehyde at temperatures greater than 150°C in air or in the presence of oxygen. Formaldehyde is a known skin, eye and throat irritant and a potential carcinogen.

Reaction with water, acids or bases may generate methanol and/or ethanol. Human exposure to methanol may result in illness, systemic poisoning, visual impairment and potentially death.

PBT/vPvB assessment: The mixture does not contain substances that are assessed to be PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable — product is a mixture.

3.2 Mixtures

All concentrations are in percent by weight (w/w).

Chemical Name	CAS No.	EC No.	Concentration (w/w %)	Classification (CLP/GHS)
Methylmethoxy siloxane with methyl silsesquioxane	68037-85-4	—	40–50	Flam. Liq. 2, H225; Flam. Liq. 3, H226; Skin Irrit. 2, H315; Eye Irrit. 2, H319
Triethoxyoctylsilane	2943-75-1	220-941-2	10–15	Skin Irrit. 2, H315; Eye Irrit. 2, H319
Titanium tetrabutanolate	5593-70-4	226-971-8	<3%	Flam. Liq. 3, H226; Skin Irrit. 2, H315; Eye Dam. 1, H318; STOT SE 3, H335; STOT SE 3, H336
Octamethylcyclotetrasiloxane (D4)	556-67-2	209-136-7	< 0.1	Flam. Liq. 3, H226; Aquatic Chronic 4, H413

SECTION 4: First Aid Measures

4.1 Description of first aid measures

Route of exposure	First aid action
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Note: components may react with moisture in the eye to release methanol — seek prompt medical attention even if symptoms appear mild.
Inhalation	Remove person to fresh air. If breathing is difficult, call a doctor/physician. If not breathing, apply artificial respiration.
Skin contact	Remove contaminated clothing immediately. Wash off thoroughly with soap and water for at least 15 minutes. Seek medical attention if irritation develops or persists. Wash contaminated clothing before reuse.
Ingestion	Rinse mouth with water. Do NOT induce vomiting. Seek immediate medical advice. Even small amounts of methanol (30–250 ml) may be fatal.

4.2 Most important symptoms and effects, both acute and delayed

Eyes	Stinging, tearing, redness, swelling, blurred vision. Effects are expected to be reversible. Seek medical attention if irritation persists
Skin	Redness, irritation. Prolonged/repeated exposure may cause dryness and cracking.
Inhalation	Irritation of nose and throat, cough, breathing difficulties.
Ingestion	Stomach ache, nausea, vomiting, dullness, visual disorder and potential blindness (methanol toxicity).

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Ensure that medical personnel are aware of the material(s) involved. Methanol poisoning requires urgent specialist treatment.

SECTION 5: Firefighting Measures

5.1 Extinguishing media

Suitable: Foam, dry chemical powder, carbon dioxide (CO2).
Unsuitable: Do not use water jet — this will spread the fire.

5.2 Special hazards arising from the substance or mixture

Highly flammable liquid and vapour. Vapours may form explosive mixtures with air and may travel considerable distances to an ignition source and flash back.
Combustion produces hazardous gases including: carbon dioxide (CO2), carbon monoxide (CO) and nitrogen oxides (NOx). This material may generate formaldehyde at temperatures greater than 150°C. Reaction with water, acids or bases may generate methanol and/or ethanol.
Use water spray to cool fire-exposed containers.

5.3 Advice for firefighters

Wear self-contained breathing apparatus (SCBA) and full structural firefighting protective clothing. Move containers from fire area if this can be done without risk. In case of fire and/or explosion, do not breathe fumes.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep upwind of spill/leak. Eliminate all ignition sources (no smoking, sparks or open flames). Ensure adequate ventilation. Wear appropriate personal protective equipment (see Section 8). Caution — spill area may be slippery.

6.2 Environmental precautions

This product is classified as a water pollutant and is immiscible with water. Prevent entry into drains, surface water, ground water and soil. If large quantities enter a watercourse or sewer, notify the relevant authorities immediately.

6.3 Methods and materials for containment and cleaning up

Small spills (up to 1 litre): Absorb in a non-combustible absorbent material (e.g. sand, vermiculite, dry earth). Place in a labelled container for disposal.
Large spills: Stop the flow if this can be done without risk. Dike/contain the spill. Absorb with sand, earth or other non-combustible material. Place in appropriate containers for disposal. Do not return spills to original containers.
Clean residual contamination from spill area thoroughly with water and detergent. Diluted washings may be discharged to a foul-water system leading to a wastewater treatment plant.

6.4 Reference to other sections

See Section 8 for protective equipment. See Section 13 for disposal guidance.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Keep away from heat, sparks, open flames and other ignition sources. No smoking. Use only in well-ventilated locations. Avoid contact with skin and eyes. Do not breathe vapours or mists. Take precautionary measures against static discharges.

Do not eat, drink or smoke when handling this material. Wash hands thoroughly with soap and water after handling. Observe good industrial hygiene practices.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated location, away from direct sunlight and sources of ignition. Avoid temperatures exceeding the flash point. Keep containers tightly closed when not in use. Store away from incompatible materials (see Section 10). Keep out of the reach of children. Store locked up.

7.3 Specific end use(s)

Water repellent and sealer for stone products. No further specific precautions beyond those stated above.

SECTION 8: Exposure Controls / Personal Protection

8.1 Control parameters

Occupational Exposure Limits (UK EH40 / EU OELs):

Substance	8-hour TWA	15-minute STEL	Source
Methanol	200 ppm (266 mg/m³)	250 ppm (333 mg/m³)	UK EH40 / EU OEL
Butan-1-ol (n-Butanol)	—	50 ppm (154 mg/m³)	UK EH40
Octamethylcyclotetrasiloxane (D4)	10 ppm (TWA)	—	OARS WEEL

8.2 Exposure controls

Engineering controls: Provide adequate ventilation to maintain airborne concentrations below exposure limits. Explosion-proof exhaust ventilation where vapour concentrations may reach the lower flammability limit. Provide eyewash station.

Respiratory protection: Not normally required with adequate ventilation. If ventilation is inadequate, use an approved air-purifying respirator with an organic vapour cartridge. In the EU/UK, respiratory protective equipment must conform to EN standards and COSHH/Regulation (EU) 2016/425.

Hand protection: Wear suitable chemical-resistant gloves (e.g. nitrile or neoprene, minimum 0.4 mm thickness). Change gloves per manufacturer recommendations. Remove immediately if damaged.

Eye/face protection: Wear chemical splash goggles and face shield giving protection against liquid droplets/splashes. Conform to EN 166.

Skin/body protection: Coveralls recommended. Change and launder after use or if contaminated.

Environmental exposure controls: For small quantities (< 1 litre), no special environmental precautions are required. For bulk handling, take precautions to prevent accidental release to water courses.

SECTION 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Property	Value / Data
Physical state	Liquid
Appearance	Clear yellow liquid
Odour	Aromatic / low odour
Odour threshold	No data available
pH	Not applicable
Melting/freezing point	No data available
Boiling point	275°C
Flash point	27.5°C (closed cup IP 523)
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable
Upper flammability limit	45% (methanol)
Lower flammability limit	5.5% (methanol)
Vapour pressure	12.3 kPa at 20°C (methanol)
Vapour density	No data available
Relative density	1.01 at 23°C
Solubility in water	Insoluble (<0.1%)
Kinematic viscosity	60 cSt at 23°C
Partition coefficient (log Kow)	No data available

Autoignition temperature	No data available
Decomposition temperature	>150°C
Explosive properties	Not classified as explosive
Oxidising properties	Not classified as oxidising
VOC content	84 g/L

9.2 Other information

None known.

SECTION 10: Stability and Reactivity

10.1 Reactivity: Reacts with water. Contains alkoxysilanes which hydrolyse in the presence of water to form highly flammable alcohols (methanol, ethanol).

10.2 Chemical stability: Stable under normal conditions of use.

10.3 Possibility of hazardous reactions: Reaction with water, acids or bases may generate methanol and/or ethanol.

10.4 Conditions to avoid: Excessive heat, moisture, direct sunlight, sparks and sources of ignition. Avoid temperatures exceeding the decomposition temperature (>150°C) or flash point.

10.5 Incompatible materials: Water, acids, bases/alkalis, strong oxidising agents, iron.

10.6 Hazardous decomposition products: Under normal conditions of use: none expected. Combustion may produce carbon monoxide (CO), carbon dioxide (CO2), nitrogen oxides (NOx), formaldehyde (at >150°C).

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

This product has not been tested as a whole. Assessments are based on data for components.

Endpoint	Assessment / Data
(a) Acute toxicity	Not considered acutely toxic. Estimated ATE > 2000 mg/kg (oral) based on components.
(b) Skin corrosion/irritation	Causes skin irritation (Category 2). Symptoms: redness, oedema, dryness, defatting, cracking.
(c) Serious eye damage/eye irritation	Causes serious eye irritation (Category 2, H319). Symptoms: stinging, tearing, redness, swelling, blurred vision. Effects are reversible
(d) Respiratory/skin sensitisation	Not classified as a skin or respiratory sensitiser.
(e) Germ cell mutagenicity	Not classified. No components identified as germ cell mutagens.
(f) Carcinogenicity	Not classifiable as to carcinogenicity in humans (not listed on IARC, NTP, or EU Annex VI as carcinogen).
(g) Reproductive toxicity	Not classified. D4 (Octamethylcyclotetrasiloxane) is classified Repr. 2 in isolation, but is present at <0.1% — well below the 0.3% CLP cut-off for mixture classification. H361 does not apply to this mixture.
(h) STOT – single exposure	Not classified (STOT SE). May cause minor respiratory tract irritation. Methanol present below thresholds of primary concern.
(i) STOT – repeated exposure	Not classified (STOT RE).
(j) Aspiration hazard	Not classified as an aspiration hazard.

Component-specific acute toxicity data

Component	Route	Species	Result
Octamethylcyclotetrasiloxane (D4)	Oral LD50	Rat	> 4800 mg/kg

Octamethylcyclotetrasiloxane (D4)	Dermal LD50	Rat	> 2400 mg/kg
Octamethylcyclotetrasiloxane (D4)	Inhalation LC50	Rat (4 hr)	> 36 mg/l
Triethoxyoctylsilane	Oral LD50	Rat	> 5000 mg/kg
Triethoxyoctylsilane	Dermal LD50	Rat	> 5000 mg/kg
Triethoxyoctylsilane	Inhalation LC50 (vapour)	Rat (4 hr)	> 22 ppm

SECTION 12: Ecological Information

12.1 Toxicity

The product is not classified as environmentally hazardous under CLP. However, large or frequent spills can have a harmful effect on the environment. Ecotoxicity data for Triethoxyoctylsilane (CAS 2943-75-1):

Species	Test	Result
Pseudokirchneriella subcapitata (algae)	EC50, 72 hr	> 0.13 mg/l
Daphnia magna (crustacea)	EC50, 48 hr	> 0.049 mg/l
Oncorhynchus mykiss (fish)	LC50, 96 hr	> 0.055 mg/l
Daphnia magna (crustacea)	NOELR, 21 days (chronic)	32 mg/l

12.2 Persistence and degradability: The polymer is not expected to be readily biodegradable. No specific degradability data available.

12.3 Bioaccumulative potential: Octamethylcyclotetrasiloxane (D4): log Kow = 5.1. None of the components are considered significantly bioaccumulative at the concentrations present.

12.4 Mobility in soil: Major components are not considered soluble in water. No specific mobility data available.

12.5 Results of PBT and vPvB assessment: A formal PBT/vPvB assessment has not been carried out for this mixture. None of the components are expected to meet PBT or vPvB criteria at the concentrations present.

12.6 Endocrine disrupting properties: D4 (Octamethylcyclotetrasiloxane) is included on the EU SVHC Candidate List as a substance of very high concern. Present at <0.1% — below the threshold triggering communication obligations for articles under REACH Article 33.

12.7 Other adverse effects: None known.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

This product must be treated as hazardous chemical waste. Dispose of contents and containers in accordance with all applicable local, regional and national regulations. Incineration at a licensed facility may be suitable.
Empty containers should be rinsed thoroughly with water and can be disposed of as non-hazardous waste, subject to local regulations. Contaminated packaging must be handled as hazardous waste.

Waste must be assigned an EWC (European Waste Catalogue / List of Wastes) code when transferred or disposed of — a legal requirement under the Waste Framework Directive (2008/98/EC) and its UK equivalent. The most likely applicable code for waste product, residues and contaminated materials is 14 06 03* (other solvents and solvent mixtures). Codes marked * denote hazardous waste, requiring a licensed carrier, consignment notes, and disposal at a permitted facility. EWC code assignment is the joint responsibility of the waste producer and their licensed disposal contractor, who must confirm the appropriate code based on the actual nature and origin of the waste. Contact your local regulatory authority (Environment Agency in England; Natural Resources Wales in Wales; SEPA in Scotland) if further guidance is required.

SECTION 14: Transport Information

This product is classified as dangerous goods for transport due to flammability.

	ADR/RID (Road/Rail)	IMDG (Sea)	ICAO/IATA (Air)
14.1 UN Number	UN 1993	UN 1993	UN 1993

14.2 Proper Shipping Name	Flammable Liquid, n.o.s. (Methylmethoxy siloxane with methyl silsesquioxane; Titanium tetrabutanolate)	FLAMMABLE LIQUID, N.O.S. (Methylmethoxy siloxane with methyl silsesquioxane; Titanium tetrabutanolate)	Flammable liquid, n.o.s. (Methylmethoxy siloxane with methyl silsesquioxane; Titanium tetrabutanolate)
14.3 Transport Hazard Class	3	3	3
14.4 Packing Group	II	II	II
14.5 Environmental Hazards	None	Marine Pollutant: No	None
14.6 Special precautions for user	IB2, T7, TP1, TP8, TP28	EmS: F-E, S-E	ERG Code: 3H
14.7 Maritime bulk transport (MARPOL/IBC)	Not applicable	Not applicable	Not applicable

SECTION 15: Regulatory Information

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

EU/UK Regulations:
• Regulation (EC) No 1907/2006 (REACH): All components are listed on the EU REACH pre-registered/registered substance inventory.
• Regulation (EC) No 1272/2008 (CLP): This product is classified and labelled in accordance with CLP.
• Regulation (EU) 2018/35: Octamethylcyclotetrasiloxane (D4) is restricted in rinse-off cosmetic products at ≥ 0.1% concentration under REACH Annex XVII (Entry 70). At the declared level of <0.1%, this restriction does not apply.
• SVHC Candidate List: D4 (CAS 556-67-2) is listed on the ECHA SVHC Candidate List. At the confirmed concentration of <0.1%, the duty to communicate under REACH Article 33 does not apply.
• UK REACH (retained EU law as amended): All components considered to be registered or exempt.

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this mixture.

SECTION 16: Other Information

Revision information:

This SDS prepared 11th May, 2026 in accordance with Commission Regulation (EU) 2020/878, amending Annex II of REACH (Regulation (EC) 1907/2006). Supersedes version dated 08 February 2023.

Full text of H-statements (Section 3):

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H413	May cause long lasting harmful effects to aquatic life.

Abbreviations used in this SDS:

ATE	Acute Toxicity Estimate
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging Regulation (EC) No 1272/2008

EC No.	European Community (inventory) number
ECHA	European Chemicals Agency
EWC	European Waste Catalogue
OEL	Occupational Exposure Limit
PBT	Persistent, Bioaccumulative and Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals (EC) No 1907/2006
SCBA	Self-Contained Breathing Apparatus
STOT	Specific Target Organ Toxicity
SVHC	Substance of Very High Concern
TWA	Time Weighted Average
vPvB	very Persistent, very Bioaccumulative
VOC	Volatile Organic Compound

Training requirements:

Workers handling this product should receive appropriate COSHH (Control of Substances Hazardous to Health) training. No specialist training beyond standard chemical handling procedures is required.