

EFS

SILICONE

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1
PRODUCT IDENTIFIER

PRODUCT NAME
Eco Fusion Silicone

OTHER MEANS OF IDENTIFICATION
All Colours – Match Eco Fusion Grout

1.2
RELEVANT IDENTIFIED
USE OF THE SUBSTANCE
OR MIXTURE AND USES
ADVISED AGAINST

RECOMMENDED USE
Barrier Selant SU22] Professional uses: Public domain (administration, education, entertainment, services, craftsmen, [PC9a] coatings and paints, thinners paint removers).

USES ADVISED AGAINST:
None Known

1.3
DETAILS OF SUPPLIER
ON SAFETY DATA SHEET

COMPANY
Eco Fusion Limited

WEB
www.ecofusion.ie

ADDRESS
Coes Road Business Park, Coes Road,
Dundalk Co Louth, Ireland

TELEPHONE
+353 (0) 42 9355294

EMAIL
sales@ecofusion.ie

EMAIL ADDRESS OF COMPETENT PERSON
sales@ecofusion.ie

1.4
EMERGENCY
TELEPHONE NUMBER

+353 (0) 42 9355294 – 9.00am - 5.00pm Mon - Fri

Section 2: Hazards Identification

2.1 This mixture is not classified as hazardous in accordance with Regulation (EC) No 1272/2008.
CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

2.2 **REGULATION (EC) NO 1272/2008**
LABEL ELEMENTS P102 Keep out of reach of children.

SPECIAL LABELLING OF CERTAIN MIXTURES
 EUH208; Contains Aminoethylamino-propyltrimethoxysilane. OIT. May cause an allergic reaction.
 EUH210 Safety Data Sheets available on request.

ADDITIONAL ADVICE ON LABELLING
 OIT (2-Octyl-2H-isothiazole-3-on) is encapsulated in the mixture and therefore only available in small amount freely. In a mixture with similar composition there was no hint of a sensitizing effect in Buehler Test (OECD No 406), A classification of this silicone with GHS 07/Warning/H317 is not intended.

2.3 This substance in the mixture do not meet the PBT/v/PvB criteria according to REACH, annex XIII. This article doesn't contain hazardous substances or mixtures intended to be released under normal or foreseeable conditions of use.
OTHER HAZARDS

Section 3: Composition/information on Ingredients

3.1 Mixture
SUBSTANCES

3.2 The mixture contains the following components:
CHEMICAL CHARACTERIZATION

CAS NO	CHEMICAL NAME	QUANTITY	EC NO	INDEX NO	REACH NO	GHS CLASSIFICATION
37859-55-5	2-Pentanone O,O',O''-(methylsilyldyn)trioxime	1 - 3 %	484-460-1		01-2120004323-76	Acute Tox. 4, Eye Irrit. 2; H302 H319

[3.2]

CAS NO	CHEMICAL NAME	QUANTITY	EC NO	INDEX NO	REACH NO	GHS CLASSIFICATION
128446-60-6	3-Aminopropyl(methyl)silsesquioxane, ethoxy-terminated	0 - 2 %				Flam. Liq. 3, Skin Irrit. 2, Eye Irrit. 2; H226 H315 H319
1760-24-3	Aminoethylamino-propyltrimethoxysilane	0 - <1 %	217-164-6		01-2119970215-39	Eye Dam. 1, Skin Sens. 1, STOT SE 3; H318 H317 H335
26530-20-1	octhilinone (ISO); 2-octyl-2H-isothiazol-3-one; [OIT]	< 0,02 %	247-761-7	613-112-00-5		Acute Tox. 2, Acute Tox. 3, Acute Tox. 3, Skin Corr. 1, Eye Dam. 1, Skin Sens. 1A, Aquatic Acute 1, Aquatic Chronic 1; H330 H311 H301 H314 H318 H317 H400 H410 EUH071

Full text of H and EUH statements: see section 16.

SPECIFIC CONC. LIMITS, M-FACTORS AND ATE

CAS NO	CHEMICAL NAME	QUANTITY	EC NO	SPECIFIC CONC. LIMITS, M-FACTORS AND ATE
37859-55-5	2-Pentanone O,O',O''-(methylsilylyldyn)trioxime	1 - 3 %	484-460-1	oral: ATE = 500 mg/kg
1760-24-3	Aminoethylamino-propyltrimethoxysilane	0 - <1 %	217-164-6	inhalation: LC50 = mg/l (vapours); dermal: LD50 = >2000 mg/kg; oral: LD50 = 2995 mg/kg

[3.2]

26530-20-1	octhiline (ISO); 2-octyl-2H-isothiazol-3-one; [OIT]	< 0,02 %	247-761-7	inhalation: ATE 0,27 mg/kg (dusts or mists); dermal: ATE 311 mg/kg; oral: ATE 125 mg/kg Skin Sens. 1A; H317: >= 0,0015 - 100 M acute; H400: M=100 M chron.; H410: M=100
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FURTHER INFORMATION

OIT is encapsulated in the mixture and therefore only available in a small amount freely (see section 2.2).

Section 4: First Aid Measures

4.1

DESCRIPTION OF FIRST AID MEASURES

GENERAL INFORMATION

After curing, product is odourless and indifferent.

AFTER INHALATION

In case of accident by inhalation: remove casualty to fresh air and keep at rest. See medical attention if symptoms persist.

AFTER SKIN CONTACT

In case of contact with skin, irrigate with water. Remove contaminated clothing. Seek Medical attention if symptoms persist.

AFTER CONTACT WITH EYES

In case of contact with eyes, irrigate with water. Take care not to wash debris from one eye to the other. Seek Medical attention if symptoms persist.

AFTER INGESTION

If material enters the mouth do not induce vomiting. Give plenty of water to drink and seek medical treatment if unwell. In all cases of doubt, or when symptoms persist, seek medical advice.

SELF-PROTECTION OF FIRST AIDER

No special measures required.

4.2

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

When in doubt or if symptoms are observed, get medical advice.

4.3 Not Applicable

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Section 5: Firefighting Measures

5.1 **SUITABLE EXTINGUISHING MEDIA TO SURROUNDING AREA**
EXTINGUISHING Carbon Dioxide (CO₂), Dry extinguishing powder, alcohol resistant foam, atomized water
ADDITIONAL ADVICE can be used.
ON LABELLING

UNSUITABLE EXTINGUISHING MEDIA
None. Co-ordinate fire-fighting measures to the fire surroundings.

5.2 Hazardous combustion products.
SPECIAL HAZARDS
ARISING FROM THE
SUBSTANCE OR MIXTURE

5.3 Co-ordinate fire-fighting measures to the fire surroundings.
ADVICE FOR Wear self-contained breathing apparatus, protective clothing. Closed containers near to the fire
FIREFIGHTERS should be cooled with water spray, container may burst upon heating.

5.4 None
FURTHER INFORMATION

Section 6: Accidental Release Measures

6.1 Ensure adequate ventilation of the working area.
PERSONAL PRECAUTIONS, Evacuate personnel to safe area.
PROTECTIVE EQUIPMENT, Wear personal protection equipment (refer to section 8).
AND EMERGENCY PROCEDURES For non-emergency personnel – no special measures are necessary.

6.2
ENVIRONMENTAL
PRECAUTIONS

Do not allow product to enter drains. Prevent further spillage if safe. Do not empty into drains; dispose of this material and its container in a safe way.

6.3
METHODS AND MATERIAL
FOR CONTAINMENT AND
CLEANING UP

For containment – take up product mechanically. After curing, product can be disposed of with domestic or commercial waste. Non cured material has to be handled as special waste.

For cleaning up – Clean with a cloth immediately. After curing product can be removed in most cases mechanically.

6.4
REFERENCE TO OTHER
SECTIONS

Safe Handling: See Section 7

Personal Protection Equipment: See Section 8

Disposal: See Section 13

Section 7: Handling and Storage

7.1
PRECAUTIONS FOR SAFE
HANDLING

Ensure adequate ventilation of the working area.

Do not eat drink or during application. Avoid direct contact with product.

FURTHER INFORMATION ON HANDLING:

7.2
CONDITIONS FOR SAFE
STORAGE, INCLUDING
ANY INCOMPATIBILITIES

Keep container in cool dry and well-ventilated area. Avoid contact with water or humidity. Keep away from direct sunlight.

7.3
SPECIFIC END USE(S)

No data available.

Section 8: Exposure Controls / Personal Protection

8.1 Additional advice on limit values.
CONTROL PARAMETERS To date, no national critical limit values data available.

8.2 Ensure adequate ventilation of the working area.
EXPOSURE CONTROLS

APPROPRIATE ENGINEERING CONTROLS
Provide adequate ventilation.

INDIVIDUAL PROTECTIVE AND HYGIENE MEASURES
Wear suitable protective clothing.
Provide eyewash station.

EYE/FACE PROTECTION
Wear protection goggles.

HAND PROTECTION
Wear chemical resistant gloves, e.g., butyl gloves, nitrile gloves.
Recommended glove thickness $\geq 0,4$ mm
Permeation Time (maximum wear duration): ≥ 1 h

RESPIRATORY
Usually, no personal respiratory equipment necessary.

SKIN PROTECTION
Protective clothing.

THERMAL HAZARDS
Not Applicable

ENVIRONMENTAL EXPOSURE CONTROLS
No special precautionary measures are necessary.

Section 9: Physical and Chemical Properties

9.1 STATE COLOUR
PHYSICAL STATE AND Solid: Paste Various
CHANGES

ODOUR ODOUR THRESHOLD
Characteristic Not Determined

[9.1]	CHANGES IN THE PHYSICAL STATE			
	Melting Point	No Data Available	Viscosity / Dynamic	Not Determined
	Boiling Point	Not Determined	Viscosity / Dynamic (at 40°C)	≥ 1000 mm ² /s (ISO 3219)
	Sublimation Point	Not Applicable	Water Solubility	The study does not need to be conducted because the substance is known to be insoluble in water.
	Softening Point	Not Determined		
	Flash Point	≥ 150°C DIN ISO 2592		
	Lower Explosion Limits	Not Applicable		
	Upper Explosion Limits	Not Applicable		
	Autoignition Temperature	Not Determined	Partition Coefficient	Not Determined
	Decomposition Temperature	Not Determined	Vapour Pressure	Not Determined
	pH Value	No Data Available	Density	ca. 1,2g/m

9.2 OTHER INFORMATION	PHYSICAL HAZARD	
	Sustaining Combustion	No Data Available
	OTHER SAFETY CHARACTERISTICS	
Solvent Content	VOC: ≤30 g/l (2004/42 EG) VOC (CH): ≤30g/kg	
	FURTHER INFORMATION	
	Not Applicable	

Section 10: Stability and Reactivity

10.1
REACTIVITY

No hazardous reactions if stored and handled correctly at normal ambient temperatures.

10.2
CHEMICAL STABILITY

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3
POSSIBILITY OF HAZARDOUS REACTIONS

May form hazardous decomposition products when exposed to high temperatures.

10.4 Humidity, Direct Sunlight Heat – See Section 7.2
CONDITIONS TO AVOID

10.5 Water, strong acids, strong oxidising agents, reducing agents.
INCOMPATIBLE MATERIALS

10.6 Hazardous combustion products.
HAZARDOUS DECOMPOSITION PRODUCTS

Section 11: Toxicological Information

11.1 Based on available evidence the classification criteria are not met.

INFORMATION ON TOXICOLOGICAL EFFECTS

CAS NO	CHEMICAL NAME	EXPOSURE ROUTE	DOSE	SPECIES	SOURCE	METHOD
37859-55-5	2-Pentanone O,O'- (methylsilylidyne)trioxime	oral	ATE 500 mg/kg			
1760-24-3	Aminoethylamino-propyltrimethoxysilane	oral	LD50 2995 mg/kg	rat		
		dermal	LD50 >2000 mg/kg	rat		
		inhalation vapour	LC50 mg/l			
26530-20-1	octhilinone (ISO); 2-octyl-2H-isothiazol-3-one; [OIT]	oral	ATE 125 mg/kg			
		dermal	ATE 311 mg/kg			
		inhalation dust/mist	ATE 0,27 mg/kg			

[11.1]

IRRITATION AND CORROSIVITY

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

SENSITISING EFFECTS

Contains Aminoethylamino-propyltrimethoxysilane, OIT. May produce an allergic reaction.

CARCINOGENIC/MUTAGENIC/TOXIC EFFECTS FOR REPRODUCTION

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.

11.2

INFORMATION ON OTHER HAZARDS

ENDOCRINE DISRUPTING PROPERTIES

This substance does not have endocrine disrupting properties with respect to humans as it does not meet the criteria set out in section A of Regulation (EU) No 2017/2100.

OTHER INFORMATION

NoData Available

Section 12: Ecological Information

12.1

TOXICITY

CAS NO	CHEMICAL NAME	AQUATIC TOXICITY	DOSE	[H] [D]	SPECIES	SOURCE	METHOD
37859-55-5	2-Pentanone O,O'- (methylsilyldyn) trioxime	Acute Fish Toxicity	LC50 \geq 113 mg/l	96 h	Onco-rhynchus	OECD 203	read-across
		Acute Algae Toxicity	ErC50 100 mg/l	72 h	Pseudokirchneriella subcapitata	OECD 201	read-across
		Acute crustacea toxicity	EC 50 \geq 113 mg/l	48 h	Daphnia magna	OECD 202	read-across

CAS NO	CHEMICAL NAME	AQUATIC TOXICITY	DOSE	[H] [D]	SPECIES	SOURCE	METHOD
1760-24-3	Aminoethyl-amino-propyltrimethoxysilane	Acute Fish Toxicity	LC50 168 mg/L	96 h	Pimephales promelas		
		Acute crustacea toxicity	EC50 87,4 mg/l	48 h	Daphnia magna		
		Acute Bacteria toxicity	(EC50 10mg/l)		Desmod-esmus subspicatus		

12.2
PERSISTENCE AND
DEGRADABILITY

Poorly biodegradable.

12.3
BIO ACCUMULATIVE
POTENTIAL

No indication of bioaccumulation potential.

CAS NO	CHEMICAL NAME	LOG POW
37859-55-5	2- Pentanone O,O',O''-(methylsilylidyn) trioime	1,25

12.4
MOBILITY IN SOIL

Practically insoluble.

12.5
RESULTS OF PBT AND
VPVB ASSESSMENT

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. This substance does not meet the PBT/vPvB criteria of REACH Annex XIII.

12.6
ENDOCRINE DISRUPTING
PROPERTIES

This substance does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meet the criteria.

12.7
OTHER ADVERSE EFFECTS

No indication of other harmful effects.

Section 13: Disposal Considerations

13.1
WASTE TREATMENT
METHODS

ADVICE ON DISPOSAL

After curing, product can be disposed of with domestic or commercial waste Non-Cured material has to be handled as special waste.

Observe any national or local waste regulations. Consult the local waste disposal expert about waste disposal.

LIST OF WASTE CODES- RESIDUES/UNUSED PRODUCTS

080410 WASTES FROM THE MANUFACTURING, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS) ADHESIVES, SEALANTS AND PRINTING INKS: wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesive and sealants other than those mentioned in 08 04 09.

LIST OF WASTE CODE- CONTAMINATED PRODUCTS

080410 WASTES FROM THE MANUFACTURING, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS) ADHESIVES, SEALANTS AND PRINTING INKS: wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesive and sealants other than those mentioned in 08 04 09.

CONTAMINATED PACKAGING

User to observe any national or local waste regulations.

Section 14: Transport Information

LAND TRANSPORT (ADR/RID)

14.1
UN NUMBER OF ID
NUMBER

No dangerous good in sense of this transport regulation.

14.2 No dangerous good in sense of this transport regulation.
UN NUMBER PROPER SHIPPING NAME

14.3 No dangerous good in sense of this transport regulation.
TRANSPORT HAZARD CLASS(ES)

14.4 No dangerous good in sense of this transport regulation.
PACKING GROUP

INLAND WATERWAYS TRANSPORT (AND)

14.1 No dangerous good in sense of this transport regulation.
UN NUMBER OF ID NUMBER

14.2 No dangerous good in sense of this transport regulation.
UN NUMBER PROPER SHIPPING NAME

14.3 No dangerous good in sense of this transport regulation.
TRANSPORT HAZARD CLASS(ES)

14.4 No dangerous good in sense of this transport regulation.
PACKING GROUP

MARINE TRANSPORT (IMDG)

14.1 No dangerous good in sense of this transport regulation.
UN NUMBER OF ID NUMBER



SILICONE

Eco Fusion Limited
Coes Road Business Park
Coes Road, Dundalk Co Louth
Ireland

14.2 No dangerous good in sense of this transport regulation.
UN NUMBER PROPER
SHIPPING NAME

14.3 No dangerous good in sense of this transport regulation.
TRANSPORT HAZARD
CLASS(ES)

14.4 No dangerous good in sense of this transport regulation.
PACKING GROUP

AIR TRANSPORT (ICAO -TI/IATA-DGR)

14.1 No dangerous good in sense of this transport regulation.
UN NUMBER OF ID
NUMBER

14.2 No dangerous good in sense of this transport regulation.
UN NUMBER PROPER
SHIPPING NAME

14.3 No dangerous good in sense of this transport regulation.
TRANSPORT HAZARD
CLASS(ES)

14.4 No dangerous good in sense of this transport regulation.
PACKING GROUP

14.5
ENVIRONMENTAL
HAZARDS

This product is not classified as environmentally hazard.

14.6
SPECIAL PRECAUTIONS
FOR USER

No dangerous good in sense of this transport regulation.

14.7
TRANSPORT IN BULK
ACCORDING TO MAR-
ITIME TRANSPORT IN
BULK ACCORDING
TO IMO, ANNEX 11 OF
MARPOL 73/78, AND
IBC CODE

No dangerous good in sense of this transport regulation.

Section 15: Regulatory Information

15.1
SAFETY, HEALTH,
AND ENVIRONMENTAL
REGULATIONS/LEGISLA-
TION SPECIFIC FOR THE
SUBSTANCE OR MIXTURE

EU REGULATORY INFORMATION
Restrictions on use (REACH, ANNEX XVII).
Entry 40, Entry 75

ADDITIONAL INFORMATION
Biocidal products Regulations (EU 528/2012); "Contains a biocide: OIT, May produce an allergic reaction".

NATIONAL REGULATORY INFORMATION
Water Hazard Class (D) 1 – Slightly Hazardous to Water

15.2
CHEMICAL SAFETY
ASSESSMENT

A chemical safety assessment has not been carried out.

Section 16: Other Information

16.1 None
REVISION / CHANGES

16.2 Relevant H and EUH statements (number and full text).

ABBREVIATIONS AND ACRONYMS

H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H310	Causes serious eye irritation.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH071	Corrosive to respiratory tract.
EUH208	Contains aminoethylamino-propyltrimethoxysilane, OIT, may produce and allergic reaction.
EUH210	Safety data sheet available on request.

OTHER ABBREVIATIONS AND ACRONYMS

REACH Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006

GHS Globally Harmonized System of Classification, Labelling and Packaging of Chemicals vPvB Very Persistent and Very Bio Accumulative

PBT Persistent Bio Accumulative Toxic

PNEC Predicted No-Effect Concentration

CAS (Chemical Abstracts Service) Number

CLP Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

BCF Bioconcentration Factor MARPOL 73/78 MARPOL 73/78: International Convention for the Prevention of Pollution from Ships

STOT Specific Target Organ Toxicity

FURTHER 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.