

Safety Data Sheet

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

1.1 Product identifier

Product Name : **DOMOREFLECT 102 NANO HYBRID**

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

Waterproofing roof coating

1.3 Details of the supplier of the safety data sheet

Supplier /Manufacturer DOMISSIMA S.A
30th Km of National Road N.Moudania –Thessaloniki
Lakkoma Chalkidiki
Information Phone Number: +003023990 20320

Information contact : info@domissima.gr

Information Phone Number : +31 (0)239920320

1.4 Emergency telephone number : + 30 210 77 93 777

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to (EU) Regulation 2015/830.

Hazard classification and indication: --

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms: --

Signal words: --

Hazard statements:

EUH210 Safety data sheet available on request.

EUH208 Contains: 5-Chloro-2-methyl- 3(2H)-isothiazolone mixture with 2-Methyl- 3(2H)-isothiazolone

According to Regulation (EC) No. 1907/2006

(3:1) 2-methyl-2H-isothiazol-3-one 1,2-benzisothiazolin-3-one
EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Precautionary statements:

P102 Keep out of reach of children.

P273 Avoid release to the environment.

P301+P312 IF SWALLOWED: Call a POISON CENTER / doctor / . . . / if you feel unwell.

P333+P313 If skin irritation or rash occurs: Get medical advice / attention.

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%

SECTION 3: Composition/information on ingredients**3.1 Mixtures :**

Mixture

Name of substrates	Codes	% w/w	GHS Classification_
			Classification 1272/2008 [CLP] :
1,2-Benzisothiazolin-3-one	CAS: 2634-33-5 EC: 220-120-9 INDEX: 613-088-00-6	<0,005	Acute Tox. 4 H302, Acute Tox. 4 H332, Eye Dam. 1 H318, Ερεθ. Δέρμ. 2 H315, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1
5-Chloro-2-methyl- 3(2H)-isothiazolone mixture with 2-Methyl- 3(2H)-isothiazolone (3:1)	CAS: 55965-84-9 CE : INDEX: 613-167-00-5	< 0,0015	Acute Tox. 3 H301+H311+H331, Διάβρ. Δέρμ. 1B H314, Eye Dam. 1 H318, Skin Sens. 1 H317, Aquatic Acute 1 H400M=100, Aquatic Chronic 1 H410 M=100
2-methyl-2H-isothiazol-3-one	CAS: 2682-20-4 CE: 220-239-6 INDEX:	< 0,0015	Acute Tox. 2 H330, Acute Tox. 3 H301, Acute Tox. 3 H311, Διάβρ. Δέρμ. 1B H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1, EUH071

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4: First aid measures**4.1. Description of first aid measures**

GENERAL:

In case of symptoms seek medical aid and show the physician this safety data sheet.

EYE CONTACT:

Keep the eyelid(s) widely and flush eye(s) immediately by thoroughly rinsing with plenty of clean water for at

According to Regulation (EC) No. 1907/2006

least 15 minutes. Contact a specialist of occupational medicine or an eye specialist.

SKIN CONTACT:

Wash skin with plenty of water and soap. Remove contaminated clothing, footwear, etc. and clean thoroughly before re-using them. Seek medical aid in case of irritation.

INHALATION:

Move the person to fresh air. Contact a physician if irritation occurs or later develops or if discomfort, coughing or other symptoms persist.

INGESTION:

Do not induce vomiting. If the person is conscious, wash out mouth with water. Get immediate medical attention or contact the anti-poison center.

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

Ingestion can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. Repeated or prolonged exposure may irritate the eyes and skin.

For symptoms and effects caused by the contained substances see chap. 11.

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

Information not available.

SECTION 5: Firefighting measures

5.1. Extinguishing media**SUITABLE EXTINGUISHING MEDIA**

All the common extinguishing media are suitable.

EXTINGUISHING MEDIA WHICH SHALL NOT BE USED FOR SAFETY REASONS

All the common extinguishing media are suitable.

5.2. Special hazards arising from the substance or mixture**HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE**

Pressure in closed containers may increase under effect of heat.

5.3. Advice for firefighters**GENERAL INFORMATIONS**

Use suitable breathing apparatus. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Move undamaged containers from immediate hazard area if it can be done safely.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

No need for special protective equipment for fire fighters.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures.

Wear protective equipment as described under Section 8 and follow the advice for safe handling and use given under Section 7. Emergency procedures are not required. However, respiratory protection is needed in situations with high dust levels. These indications apply for both processing staff and those involved in emergency procedures.

6.2. Environmental precautions.

Limit leakages with earth or sand. Do not wash the product down sewage and drainage systems or into bodies of water (e.g. streams). Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Suitable material for taking up: absorbing material, organic, sand.

6.3. Methods and material for containment and cleaning up.

According to Regulation (EC) No. 1907/2006

Suitable material for taking up: absorbing material, organic, sand
Wash with plenty of water.
Retain contaminated washing water and dispose it.

6.4. Reference to other sections.

Any information on personal protection and disposal is given in sections 8 and 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling.**

Avoid contact with skin and eyes, inhalation of vapours and mists.
Do not eat or drink while working.
See also section 8 for recommended protective equipment.
Do not remove shrink film in hazardous locations (because of risk of static charging/discharge).
Do not use in areas with no sufficient ventilation.
Spilled material may cause slippery floors.

7.2. Conditions for safe storage, including any incompatibilities.

Keep in original container.
Store in containers with appropriate labeling.
Store between 5 και 25 °C in well ventilated area, away from heat, ignition sources and direct sunlight.
Protect from frost.

7.3. Specific end use(s).

Information not available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

No occupational exposure limit available

Derived No-Effect Levels' (DNEL's) and Predicted No-Effect Concentrations' (PNEC's)

Explanatory note:

Regulation 1907/2006/EK (REACH) requires manufacturers and importers to establish and report 'Derived No Effect Levels' (DNEL's) for humans by inhalation, ingestion and dermal routes of exposure and 'Predicted No Effect Concentrations' (PNEC's) for environmental exposure. DNEL's and PNEC's are established by the registrant without an official consultation process, and are not intended to be directly used for setting workplace or general population exposure limits. They are primarily used as input values in running Quantitative Risk Assessment models (like the ECETOC-TRA model).

Due to differences in calculation methodology the DNEL will tend to be lower (sometimes significantly) than any corresponding health-based OEL for that chemical substance. Further although DNEL's (and PNEC's) are an indication for setting risk reduction measures, it should be recognized that these limits do not have the same regulatory application as officially endorsed governmental OEL's.

DNELs

There not applicable DNELs.

PNECs

There not applicable PNECs.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protection equipment, make sure that the workplace is well aired through effective local aspiration or bad air vent. If such operations do not make it possible to keep the concentration of the product below the permitted workplace exposure thresholds a suitable respiratory tract protection must be used. See product label for hazard details during use. Personal protection equipment must comply with the rules in force indicated below

HAND PROTECTION

Use impervious, abrasion and alkali resistant gloves internally lined with cotton. Protective gloves to be used

According to Regulation (EC) No. 1907/2006

must comply with the specifications of EU Directive 89/686/EEC and the standard NS-EN 374. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

· Suitable material

Polyvinylchloride (PVC)

· Breakthrough time

Refer to the information provided by the gloves' producer.

SKIN PROTECTION

Use boots, closed long-sleeved protective clothing, category 1 (Directive 89/686/EU and standard EN 344).

RESPIRATORY PROTECTION

Not needed for normal use. In case of insufficient ventilation use mask with B type filters (EN 14387).

EYE/FACE PROTECTION

Wear approved glasses or safety goggles according to NS-EN 166 to prevent contact with eyes..

8.3. Environmental exposure controls

Do not allow the product to enter sewage and drainage systems or into bodies of water (e.g. streams).

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid
Color	RAL colors
Odour	Weak
Odour threshold	N/A
pH	7 – 9
Melting or freezing point	N/A
Initial boiling point	N/A
Boiling range	N/A
Flash point	N/A
Evaporation rate	N/A
Flammability of solids and gases	N/A
Lower inflammability limit	N/A
Upper inflammability limit	N/A
Vapour pressure	24 hPa, 20°C
Vapour density	N/A
Specific gravity	1.43±0.02 g/cm ³ at 20 °C
Solubility	Soluble in water
Partition coefficient: n-octanol/water	N/A
Ignition temperature	N/A
Decomposition temperature	N/A
Viscosity	<30.000 mPa.s/23 ° C (ISO 2555)
Reactive properties	N/A

9.2. Other information

VOC [Category A/i (WB) {2010} <140 g/l] : 8.6 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity.

There are no particular risks of reaction with other substances in normal conditions of use.

10.2. Chemical stability.

Stable under normal conditions.

10.3. Possibility of hazardous reactions.

There are no particular risks of reaction with other substances in normal conditions of use.

10.4. Conditions to avoid.

No available information.

10.5. Incompatible materials.

No available information.

10.6. Hazardous decomposition products.

No available information..

SECTION 11: Toxicological information**11.1. Information on toxicological effects**

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

Information not available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Information not available

Interactive effects

Information not available

ACUTE TOXICITY

LC50 (Inhalation) of the mixture: Not classified (no significant component)

LD50 (Oral) of the mixture: Not classified (no significant component)

LD50 (Dermal) of the mixture: Not classified (no significant component)

1,2-benzisothiazolin-3-one

LD50 (Oral) > 2,175 mg/kg 1,2-benzisothiazolin-3-one

LD50 (Dermal) > 1,221 mg/kg 1,2-benzisothiazolin-3-one

LC50 (Inhalation) 0,5 mg/l

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.

Contains:

5-Chloro-2-methyl- 3(2H)-isothiazolone mixture with 2-Methyl- 3(2H)-isothiazolone (3:1)

2-methyl-2H-isothiazol-3-one

1,2-benzisothiazolin-3-one

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

According to Regulation (EC) No. 1907/2006

Does not meet the classification criteria for this hazard class

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class Viscosity:

SECTION 12: Ecological information**12.1. Toxicity**

1,2-benzisothiazolin-3-one

LC50 - for Fish > 2,18 mg/l/96h 1,2-benzisothiazolin-3-one Oncorhynchus mykiss OECD Test Guideline 203

EC50 - for Crustacea > 2,94 mg/l/48h 1,2-benzisothiazolin-3-one Daphnia magna OECD Test Guideline 202

EC50 - for Algae / Aquatic Plants > 0,11 mg/l/72h 1,2-benzisothiazolin-3-one Pseudokirchneriella subcapitata OECD Test Guideline 201

5-Chloro-2-methyl- 3(2H)-isothiazolone mixture with 2-Methyl- 3(2H)-isothiazolone (3:1)

EC50 - for Crustacea > 0,018 mg/l/48h

Chronic NOEC for Fish 0,5 mg/l

12.2. Persistence and degradability

Information not available

12.3. Bioaccumulative potential

2-methyl-2H-isothiazol-3-one

Partition coefficient: n-octanol/water 0,32 Log Know

12.4. Mobility in soil

Information not available

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects

Information not available

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14: Transport information

Regulatory Information	14.1. UN number	14.2. UN proper shipping name	14.3. Transport hazard class(es)	14.4. Packing group
ADR/ADN	-	-	-	-
RID	-	-	-	-
ICAO/IATA	-	-	-	-
IMO/IMDG	-	-	-	-

14.5. Environmental hazards

Environmentally hazardous and/or Marine Pollutant : None

14.6. Special precautions for user

No available data.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Seveso Category - Directive 2012/18/EC: None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006
None

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None,

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Information not available

VOC (Directive 2004/42/EC) :

Coatings for exterior roofs of mineral substrate.

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3

SECTION 16: Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Acute Tox. 2	Acute toxicity, category 2
Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Skin Irrit. 2	Skin irritation, category 2
Skin Sens. 1	Skin sensitization, category 1
Skin Sens. 1A	Skin sensitization, category 1A
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
H330	Fatal if inhaled.
H301+H311+H331	Toxic if swallowed, in contact with skin or if inhaled.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H302	Harmful if swallowed.
H332	Harmful if inhaled.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.
EUH210	Safety data sheet available on request.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit

According to Regulation (EC) No. 1907/2006

- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament
2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
4. Regulation (EU) 2015/830 of the European Parliament
5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
12. Regulation (EU) 2016/1179 (IX Atp. CLP)
13. Regulation (EU) 2017/776 (X Atp. CLP)
14. Regulation (EU) 2018/669 (XI Atp. CLP)
15. Regulation (EU) 2018/1480 (XIII Atp. CLP)
16. Regulation (EU) 2019/521 (XII Atp. CLP)

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

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.