

SAFETY DATA SHEET

MS Contractor 550

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

1.1. Product identifier

Trade name

MS Contractor 550

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

Relevant identified uses of the substance or mixture

Sealing and bonding

▼ Uses advised against

None known.

1.3. Details of the supplier of the safety data sheet

▼ Company and address

Dana Lim A/S

Københavnsvej 220

DK-4600 Køge

Denmark

Tel: +45 56 64 00 70

Contact person

Product Safety Department

E-mail

info@danalim.dk

Revision

19/12/2022

SDS Version

2.0

Date of previous version

08/10/2021 (1.0)

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Not classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.2. Label elements

▼ Hazard pictogram(s)

Not applicable.

▼ Signal word

Not applicable.

▼ Hazard statement(s)

Not applicable.

Safety statement(s)

General

-

Prevention

-

Response

-

Storage

-

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Disposal

-

▼ Hazardous substances

None known.

▼ Additional labelling

EUH208, Contains Trimethoxyvinylsilane. May produce an allergic reaction.

EUH210, Safety data sheet available on request.

2.3. Other hazards

▼ Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.1. ▼ Substances

Not applicable. This product is a mixture.

3.2. ▼ Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
di-isononyl phthalate	CAS No.: 28553-12-0 EC No.: 249-079-5 UK-REACH: Index No.:	15-25%		[3]
Methanol (released in small quantities during vulcanisation)	CAS No.: 67-56-1 EC No.: 200-659-6 UK-REACH: Index No.: 603-001-00-X	<1%	Flam. Liq. 2, H225 Acute Tox. 3, H301 Acute Tox. 3, H311 Acute Tox. 3, H331 STOT SE 1, H370 STOT SE 2, H371 (SCL: 3.00 %)	[1], [3]
Trimethoxyvinylsilane	CAS No.: 2768-02-7 EC No.: 220-449-8 UK-REACH: Index No.: 014-049-00-0	<1%	Flam. Liq. 3, H226 Skin Sens. 1B, H317 Acute Tox. 4, H332	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

▼ Other information

[1] European occupational exposure limit.

[3] According to UK REACH, Annex XVII, the substance is subject to restrictions.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

IF ON SKIN: Wash with plenty of water and soap.

Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

Eye contact

Upon irritation of the eye: Remove contact lenses and open eyes widely. Flush eyes with water or saline water (20-30 °C) for at least 5 minutes. Seek medical assistance and continue flushing during transport.

▼ **Ingestion**

Provide plenty of water for the person to drink and stay with him/her. In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

▼ **Burns**

Not applicable.

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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

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

None known.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. **Extinguishing media**

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.

Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. ▼ **Special hazards arising from the substance or mixture**

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO₂)

5.3. **Advice for firefighters**

Fire fighters should wear appropriate personal protective equipment.

SECTION 6: Accidental release measures

6.1. ▼ **Personal precautions, protective equipment and emergency procedures**

No specific requirements.

6.2. **Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc.

6.3. ▼ **Methods and material for containment and cleaning up**

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. ▼ **Reference to other sections**

See section 13 "Disposal considerations" on handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. **Precautions for safe handling**

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. **Conditions for safe storage, including any incompatibilities**

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

Recommended storage material

Always store in containers of the same material as the original container.

Storage temperature

Dry, cool and well ventilated

Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

7.3. ▼ **Specific end use(s)**

This product should only be used for applications quoted in section 1.2.

SECTION 8: Exposure controls/personal protection

8.1. ▼ Control parameters

di-isononyl phthalate

Long term exposure limit (8 hours) (mg/m³): 5

Methanol (released in small quantities during vulcanisation)

Long term exposure limit (8 hours) (ppm): 200

Long term exposure limit (8 hours) (mg/m³): 266

Short term exposure limit (15 minutes) (ppm): 250

Short term exposure limit (15 minutes) (mg/m³): 333

Annotations:

Sk = Can be absorbed through the skin and lead to systemic toxicity.

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002. EH40/2005 Workplace exposure limits (Fourth Edition 2020).

▼ DNEL

di-isononyl phthalate

Duration	Route of exposure	DNEL
Long term – Systemic effects - Workers	Dermal	366 mg/kg bw/day
Long term – Systemic effects - Workers	Dermal	220 mg/kg bw/day
Long term – Systemic effects - General population	Inhalation	15,3 mg/m ³
Long term – Systemic effects - Workers	Inhalation	51,72 mg/m ³
Long term – Systemic effects - General population	Oral	4,4 mg/kg bw/day

Trimethoxyvinylsilane

Duration	Route of exposure	DNEL
Long term – Systemic effects - General population	Dermal	630 µg/kgbw/day
Long term – Systemic effects - Workers	Dermal	910 µg/kgbw/day
Long term – Systemic effects - General population	Inhalation	6.8 mg/m ³
Long term – Systemic effects - Workers	Inhalation	27.6 mg/m ³
Short term – Systemic effects - General population	Inhalation	54.4 mg/m ³
Short term – Systemic effects - Workers	Inhalation	73.6 mg/m ³
Long term – Systemic effects - General population	Oral	630 µg/kgbw/day

▼ PNEC

Trimethoxyvinylsilane

Route of exposure	Duration of Exposure	PNEC
Freshwater		400 µg/L
Freshwater sediment		1.5 mg/kg
Intermittent release (freshwater)		1.21 mg/L
Marine water		40 µg/L
Marine water sediment		150 µg/kg
Soil		60 µg/kg

8.2. ▼ Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

▼ **Appropriate technical measures**

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked.

Hygiene measures

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

▼ **Measures to avoid environmental exposure**


No specific requirements.

8.3. Individual protection measures, such as personal protective equipment

▼ **Generally**

Use only UKCA marked protective equipment.


▼ **Respiratory Equipment**

Work situation	Type	Class	Colour	Standards	
If used in small and very badly ventilated rooms (not relevant if the room is well ventilated)	AX		Brown	EN14387	

▼ **Skin protection**

No specific requirements.

Hand protection

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards	
	Butyl	0,3	> 480	EN374-2, EN374-3, EN388	

When applying the sealant with a caulking gun and when finishing with a joint nail, work can be carried out without gloves if skin contact is avoided.

▼ **Eye protection**

No specific requirements.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Paste

Colour

Various colours

▼ **Odour / Odour threshold**

Testing not relevant or not possible due to the nature of the product.

▼ **pH**

Testing not relevant or not possible due to the nature of the product.

▼ **Density (g/cm³)**

1.5

▼ **Kinematic viscosity**

Testing not relevant or not possible due to the nature of the product.

▼ **Particle characteristics**

Testing not relevant or not possible due to the nature of the product.

Phase changes

▼ **Melting point/Freezing point (°C)**

Testing not relevant or not possible due to the nature of the product.

▼ **Boiling point (°C)**

Testing not relevant or not possible due to the nature of the product.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

- ▼ Vapour pressure
Testing not relevant or not possible due to the nature of the product.
- ▼ Relative vapour density
Testing not relevant or not possible due to the nature of the product.
- ▼ Decomposition temperature (°C)
Testing not relevant or not possible due to the nature of the product.

Data on fire and explosion hazards

- ▼ Flash point (°C)
Testing not relevant or not possible due to the nature of the product.
- ▼ Auto-Ignition (°C)
Testing not relevant or not possible due to the nature of the product.
- ▼ Flammability (°C)
Testing not relevant or not possible due to the nature of the product.
- ▼ Lower and upper explosion limit (% v/v)
Testing not relevant or not possible due to the nature of the product.

Solubility

- ▼ Solubility in water
Testing not relevant or not possible due to the nature of the product.
- ▼ n-octanol/water coefficient
Testing not relevant or not possible due to the nature of the product.
- ▼ Solubility in fat (g/L)
Testing not relevant or not possible due to the nature of the product.

9.2. Other information

- ▼ Other physical and chemical parameters
No data available.

SECTION 10: Stability and reactivity

- 10.1. ▼ Reactivity
No data available.
- 10.2. Chemical stability
The product is stable under the conditions, noted in section 7 "Handling and storage".
- 10.3. ▼ Possibility of hazardous reactions
None known.
- 10.4. ▼ Conditions to avoid
None known.
- 10.5. Incompatible materials
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.
- 10.6. Hazardous decomposition products
The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/substance	di-isononyl phthalate
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	>40000 mg/kg ·
Other information	

Product/substance	di-isononyl phthalate
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	>3200 mg/kg ·
Other information	

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Product/substance	Trimethoxyvinylsilane
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50
Result	7100 mg/kg ·
Other information	

Product/substance	Trimethoxyvinylsilane
Test method	
Species	Rabbit
Route of exposure	Dermal
Test	LD50
Result	3200 mg/kg ·
Other information	

Product/substance	Trimethoxyvinylsilane
Test method	
Species	Rat
Route of exposure	Inhalation
Test	LD50
Result	16,8 mg/l/4h ·
Other information	

Skin corrosion/irritation

Product/substance	Trimethoxyvinylsilane
Test method	
Species	Rabbit
Duration	96 hours
Result	No adverse effect observed (Not irritating)
Other information	

Serious eye damage/irritation

Product/substance	Trimethoxyvinylsilane
Test method	
Species	Rabbit
Duration	No data available.
Result	Adverse effect observed (Irritating)
Other information	

Respiratory sensitisation

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

Skin sensitisation

Product/substance	Trimethoxyvinylsilane
Test method	
Species	Guinea pig
Result	No adverse effect observed (not sensitising)
Other information	

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.

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

▼ Long term effects

None known.

▼ Endocrine disrupting properties

None known.

▼ Other information

None known.

SECTION 12: Ecological information

12.1. ▼ Toxicity

Product/substance	Trimethoxyvinylsilane
Test method	
Species	Fish
Compartment	
Duration	96 hours
Test	LC50
Result	191 mg/l ·
Other information	

Product/substance	Trimethoxyvinylsilane
Test method	
Species	Daphnia
Compartment	
Duration	48 hours
Test	EC50
Result	169 mg/l ·
Other information	

Product/substance	Trimethoxyvinylsilane
Test method	
Species	Daphnia
Compartment	
Duration	21 days
Test	NOEC
Result	25 mg/l ·
Other information	

Product/substance	Trimethoxyvinylsilane
Test method	
Species	Algae
Compartment	
Duration	72 hours
Test	NOEC
Result	25 mg/l ·
Other information	

12.2. Persistence and degradability

Product/substance	Trimethoxyvinylsilane
Biodegradable	No
Test method	
Result	

12.3. ▼ Bioaccumulative potential

Product/substance	di-isononyl phthalate
Test method	
Potential bioaccumulation	No data available.
LogPow	8,8000
BCF	No data available.
Other information	

12.4. ▼ Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. ▼ Endocrine disrupting properties

None known.

12.7. ▼ Other adverse effects

None known.

SECTION 13: Disposal considerations

▼ Waste treatment methods

Product is not covered by regulations on dangerous waste.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

08 04 10 Waste adhesives and sealants other than those mentioned in 08 04 09

▼ Specific labelling

Not applicable.

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information
ADR	-	-	-	-	-	-
IMDG	-	-	-	-	-	-
IATA	-	-	-	-	-	-

* Packing group

** Environmental hazards

▼ Additional information

Not dangerous goods according to ADR, IATA and IMDG.

14.6. ▼ Special precautions for user

Not applicable.

14.7. ▼ Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

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

▼ Restrictions for application

None known.

▼ Demands for specific education

No specific requirements.

SEVESO - Categories / dangerous substances

Methanol (released in small quantities during vulcanisation)

▼ REACH, Annex XVII

Methanol (released in small quantities during vulcanisation) is subject to restrictions, UK-REACH annex XVII (entry 69).

▼ Additional information

Not applicable.

▼ Sources

Control of Major Accident Hazards (COMAH) Regulations 2015.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.

Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment

No

SECTION 16: Other information

▼ Full text of H-phrases as mentioned in section 3

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

H225, Highly flammable liquid and vapour.

H226, Flammable liquid and vapour.

H301, Toxic if swallowed.

H311, Toxic in contact with skin.

H317, May cause an allergic skin reaction.

H331, Toxic if inhaled.

H332, Harmful if inhaled.

H370, Causes damage to organs.

H371, May cause damage to organs.

▼ Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

CSA = Chemical Safety Assessment

CSR = Chemical Safety Report

DMEL = Derived Minimal Effect Level

DNEL = Derived No Effect Level

EINECS = European Inventory of Existing Commercial chemical Substances

ES = Exposure Scenario

EUH statement = CLP-specific Hazard statement

EWC = European Waste Catalogue

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IARC = International Agency for Research on Cancer (IARC)

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)

OECD = Organisation for Economic Co-operation and Development

PBT = Persistent, Bioaccumulative and Toxic

PNEC = Predicted No Effect Concentration

RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail

RRN = REACH Registration Number

SCL = A specific concentration limit

SVHC = Substances of Very High Concern

STOT-RE = Specific Target Organ Toxicity - Repeated Exposure

STOT-SE = Specific Target Organ Toxicity - Single Exposure

TWA = Time weighted average

UN = United Nations

UVBC = Unknown or variable composition, complex reaction products or of biological materials

VOC = Volatile Organic Compound

vPvB = Very Persistent and Very Bioaccumulative

▼ Additional information

Not applicable.

▼ The safety data sheet is validated by

Product Safety Department

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en