

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

MS-11 BROWN

Revision date 18-Mar-2021

Supercedes Date: 19-Nov-2020

Revision Number 2

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

#### 1.1. Product identifier

Product Name MS-11 BROWN

Pure substance/mixture Mixture

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

**Recommended use** Adhesives and/or sealants.

Uses advised against Not to be used in production of toys or childcare articles

### 1.3. Details of the supplier of the safety data sheet

### **Company Name**

Arc Building Products
IDA Business & Technology Park
Ballynattin, Arklow
Arklow. Co. Wicklow, Ireland.
Tel: +353 (0)402 32370

Email: sales@arcbuildingproducts.ie

#### 1.4. Emergency telephone number

+353 (0)402 32370 (Office hours only)

# **SECTION 2: Hazards identification**

## 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

## 2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

## Signal word

None

#### Hazard statements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

## **EU Specific Hazard Statements**

EUH208 - Contains Trimethoxyvinylsilane & N-(3-(trimethoxysilyl)propyl)ethylenediamine & 1,2-Ethanediamine, N-[3-(dimethoxymethylsilyl)propyl]- & Dioctyltinbis(acetylacetonate). May produce an allergic reaction EUH210 - Safety data sheet available on request

#### 2.3. Other hazards

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing. May be harmful in contact with skin.

## PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no



MS-11 BROWN Supercedes Date: 19-Nov-2020 Revision date 18-Mar-2021 Revision Number 2

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substance considered to be very persistent nor very bioaccumulating (vPvB).

# SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Chemical name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH registration number
Trimethoxyvinylsilane	220-449-8	2768-02-7	1- <2.5	Skin Sens. 1B (H317) Acute Tox. 4 (H332) Flam. Liq. 3 (H226)		01-2119513215- 52-XXXX
N-(3-(trimethoxysilyl)pro pyl)ethylenediamine	217-164-6	1760-24-3	0.1 - <1	Eye Dam. 1 (H318) Skin Sens. 1 (H317) Acute Tox. 4 (H332) STOT SE 3 (H335)		01-2119970215- 39-XXXX
Dioctyltinbis(acetylaceto nate)	483-270-6	54068-28-9	0.1 - <1	STOT SE 2 (H371) Skin Sens. 1 (H317)	Skin Sens. 1 :: C>=5%	01-0000020199- 67-XXXX
1,2-Ethanediamine, N-[3-(dimethoxymethylsil yl)propyl]-	221-336-6	3069-29-2	0.1 - <1	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sens. 1A (H317)		01-2119963926- 21-xxxx
Titanium dioxide	236-675-5	13463-67-7	0.1 - <1	Carc. 2 (H351i)		01-2119489379- 17-XXXX

## Full text of H- and EUH-phrases: see section 16

Note: ^ indicates not classified, however, the substance is listed in section 3 as it has an OEL

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

# **SECTION 4: First aid measures**

## 4.1. Description of first aid measures

General advice

Show this safety data sheet to the doctor in attendance. If medical advice is needed,



**MS-11 BROWN** 

# SAFETY DATA SHEET

Revision date 18-Mar-2021

Supercedes Date: 19-Nov-2020 Revision Number 2

have product container or label at hand.

**Inhalation** Remove to fresh air. If symptoms persist, call a doctor.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

**Skin contact** Wash skin with soap and water. In the case of skin irritation or allergic reactions see a

doctor.

**Ingestion** Call a doctor immediately. Rinse mouth thoroughly with water. Never give anything by

mouth to an unconscious person. Small amounts of toxic methanol are released by

hydrolysis.

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

**Symptoms** None known.

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

Note to doctors Treat symptomatically. Small amounts of methanol (CAS 67-56-1) are formed by

hydrolysis and released upon curing.

# **SECTION 5: Firefighting measures**

5.1. Extinguishing media

Suitable Extinguishing Media Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam.

Unsuitable extinguishing media Full water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the

chemical

Thermal decomposition can lead to release of irritating gases and vapours.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters

**Special protective equipment and** Wear self contained breathing apparatus for fire fighting if necessary.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

in eyes, on skin, or on clothing.

6.2. Environmental precautions

**Environmental precautions** Prevent product from entering drains. Do not allow to enter into soil/subsoil. See Section

12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

**Methods for containment** Do not scatter spilled material with high pressure water streams.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.



**MS-11 BROWN** 

# SAFETY DATA SHEET

Revision date 18-Mar-2021

Supercedes Date: 19-Nov-2020 Revision Number 2

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Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See section 13 for more information.

# SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Advice on safe handling Ensure adequate ventilation.

General hygiene considerations Do not eat, drink or smoke when using this product. Wash hands before breaks and after

work.

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

Storage Conditions Keep at temperatures between 5 and 35°C.Protect from moisture. Keep away from food,

drink and animal feeding stuffs.

7.3. Specific end use(s)

Specific use(s)

Adhesives and/or sealants.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

Other information Observe technical data sheet.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

**Exposure Limits** Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing

Chemical name	European Union	Ireland	United Kingdom
Diisononyl phthalate	-	TWA: 5 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>
28553-12-0		STEL: 15 mg/m <sup>3</sup>	STEL: 15 mg/m <sup>3</sup>
Methyl alcohol	TWA: 200 ppm	TWA: 200 ppm	TWA: 200 ppm
67-56-1	TWA: 260 mg/m <sup>3</sup>	TWA: 260 mg/m <sup>3</sup>	TWA: 266 mg/m <sup>3</sup>
	*	STEL: 600 ppm	STEL: 250 ppm
		STEL: 780 mg/m <sup>3</sup>	STEL: 333 mg/m <sup>3</sup>
		Sk*	Sk*

Chemical name	European Union	Ireland	United Kingdom
Methyl alcohol	-	15 mg/L (urine - Methanol end of	-
67-56-1		shift)	

Derived No Effect Level (DNEL) No information available

Derived No Effect Level (DNEL)					
Trimethoxyvinylsilane (2768	3-02-7)				
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor		
worker Systemic health effects Long term	Inhalation	27,6 mg/m³			
worker Systemic health effects Long term	Dermal	3,9 mg/kg bw/d			

## N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)



MS-11 BROWN

Supercedes Date: 19-Nov-2020

Revision date 18-Mar-2021 Revision Number 2

Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Systemic health effects Long term	Inhalation	35.5 mg/m³	
worker Systemic health effects Long term	Dermal	5 mg/kg bw/d	
Dioctyltinbis(acetylacetonat	e) (54068-28-9)		
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Long term Systemic health effects worker	Dermal	0.07 mg/kg bw/d	
Long term Systemic health effects worker	Inhalation	84 mg/m³	
Short term Systemic health effects worker	Inhalation	84 mg/m³	
Long term Short term Local health effects worker	Inhalation	0.091 mg/m³	
1,2-Ethanediamine, N-[3-(dir	nothovymothyleilyl\nronyll	(3060-30-3)	
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	12 mg/m³	
worker	Dermal	1.7 mg/kg bw/d	

worker	Dermal	1.7 mg/kg bw/d	
Long term			
Systemic health effects			
		•	
Titanium dioxide (13463-67-7)			
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker	Inhalation	10 mg/m <sup>3</sup>	
Long term			
Local health effects			

Derived No Effect Level (DN Trimethoxyvinylsilane (2768	Derived No Effect Level (DNEL)				
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor		
Consumer Systemic health effects Long term	Inhalation	18,9 mg/m³			
Consumer Systemic health effects Long term	Dermal	7,8 mg/kg bw/d			
Consumer Systemic health effects Long term	Oral	0,3 mg/kg bw/d			

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)					
Type	Exposure route	Derived No Effect Level	Safety factor		
		(DNEL)			



MS-11 BROWN Supercedes Date: 19-Nov-2020 Revision date 18-Mar-2021 Revision Number 2

Consumer Systemic health effects Long term	Oral	2.5 mg/kg bw/d	
Consumer Systemic health effects Long term	Inhalation	8.7 mg/m³	
Consumer Systemic health effects Long term	Dermal	2.5 mg/kg bw/d	

1,2-Ethanediamine, N-[3-(dimethoxymethylsilyl)propyl]- (3069-29-2)				
Туре	Exposure route	Derived No Effect Level (DNEL)	Safety factor	
Consumer Long term Systemic health effects	Inhalation	2.9 mg/m³		
Consumer Long term Systemic health effects	Dermal	0.83 mg/kg bw/d		
Consumer Long term Systemic health effects	Oral	0.83 mg/kg bw/d		

Titanium dioxide (13463-67-7)			
Туре	Exposure route	Derived No Effect Level	Safety factor
		(DNEL)	
Consumer	Oral	700 mg/kg bw/d	
Long term			
Systemic health effects			

# **Predicted No Effect Concentration** No information available. **(PNEC)**

Predicted No Effect Concentration (PNEC)				
Trimethoxyvinylsilane (2768-02-7)				
Environmental compartment	Predicted No Effect Concentration (PNEC)			
Freshwater	0.34 mg/l			
Marine water	0.034 mg/l			
Microorganisms in sewage treatment	110 mg/l			

N-(3-(trimethoxysilyl)propyl)ethylenediamine (1760-24-3)			
Environmental compartment	Predicted No Effect Concentration (PNEC)		
Freshwater	0.062 mg/l		
Marine water	0.0062 mg/l		
Sewage treatment plant	25 mg/l		

Dioctyltinbis(acetylacetonate) (54068-28-9)			
Environmental compartment	Predicted No Effect Concentration (PNEC)		
Freshwater	26 μg/l		
Marine water	2.6 μg/l		
Freshwater - intermittent	260 μg/l		
Sewage treatment plant	1 mg/l		
Freshwater sediment	0.155 mg/kg dry weight		
Marine sediment	0.0155 mg/kg dry weight		
Soil	0.0158 mg/kg dry weight		

1,2-Ethanediamine, N-[3-(dimethoxymethylsilyl)propyl]- (3069-29-2)			
Environmental compartment	Predicted No Effect Concentration (PNEC)		
Freshwater	0.062 mg/l		
Marine water	0.006 mg/l		
Sewage treatment plant	25 mg/l		
Freshwater sediment	0.24 mg/kg dry weight		



**MS-11 BROWN** Revision date 18-Mar-2021 Supercedes Date: 19-Nov-2020 **Revision Number** 2

Marine sediment 0.024 mg/kg dry weight 0.01 mg/kg dry weight Soil

Titanium dioxide (13463-67-7)			
Environmental compartment	Predicted No Effect Concentration (PNEC)		
Marine water	0.0184 mg/l		
Freshwater sediment	1000 mg/kg		
Freshwater	0.184 mg/l		
Marine sediment	100 mg/kg		
Soil	100 mg/kg		
Microorganisms in sewage treatment	100 mg/l		
Freshwater - intermittent	0.193 mg/l		

### 8.2. Exposure controls

**Engineering controls** Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). Eye protection must conform to

standard EN 166.

Hand protection Wear suitable gloves. Recommended Use:. Neoprene™. Nitrile rubber. Butyl rubber.

> Glove thickness > 0.7mm. The breakthrough time for the mentioned glove material is in general greater than 480 min. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific

gloves. Gloves must conform to standard EN 374

Skin and body protection

None under normal use conditions.

Respiratory protection In case of inadequate ventilation wear respiratory protection. Wear a respirator

conforming to EN 140 with Type A/P2 filter or better. Ensure adequate ventilation,

especially in confined areas.

Organic gases and vapours filter conforming to EN 14387. White. Brown. Recommended filter type:

**Environmental exposure controls** Do not allow uncontrolled discharge of product into the environment.

### SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state Solid **Appearance** Paste

Colour See section 1 for more information

Odour Characteristic

**Odour threshold** No information available

Remarks • Method **Property** Values

рΗ

pH (as aqueous solution) No data available Melting point / freezing point No data available Initial boiling point and boiling No data available

range

> 60 °C Flash point **Evaporation rate** No data available

**Flammability** Not applicable for liquids .

Flammability Limit in Air

Upper flammability or explosive No data available

limits

Lower flammability or explosive No data available

limits

No data available Vapour pressure Relative vapour density No data available Relative density No data available

Product cures with moisture Water solubility

Solubility(ies) No data available No data available Partition coefficient



MS-11 BROWN

Revision date 18-Mar-2021

Supercedes Date: 19-Nov-2020

Revision Number 2

Autoignition temperatureNo data availableDecomposition temperatureNo data availableKinematic viscosity> 21 mm²/sDynamic viscosityNo data availableExplosive propertiesNo data availableOxidising propertiesNo data available

9.2. Other information

Solid content (%)

No information available

VOC Content (%)

**Density** 1.58 g/cm<sup>3</sup>

## SECTION 10: Stability and reactivity

10.1. Reactivity

**Reactivity** Product cures with moisture.

10.2. Chemical stability

**Stability** Stable under normal conditions.

**Explosion data** 

Sensitivity to mechanical

None.

impact

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Product cures with moisture. Protect from moisture. Exposure to air or moisture over

prolonged periods. Do not freeze. Keep away from open flames, hot surfaces and

sources of ignition.

10.5. Incompatible materials

**Incompatible materials**None known based on information supplied.

10.6. Hazardous decomposition products

**Hazardous decomposition** 

products

None under normal use conditions. Small amounts of methanol (CAS 67-56-1) are

formed by hydrolysis and released upon curing.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

## Information on likely routes of exposure

Product Information .

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

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

Skin contact Based on available data, the classification criteria are not met. May be harmful in contact

with skin. May cause sensitisation in susceptible persons.



**MS-11 BROWN** 

Supercedes Date: 19-Nov-2020

Revision date 18-Mar-2021 Revision Number 2

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

Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

Numerical measures of toxicity

**Acute toxicity** 

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (dermal) 3,552.50 mg/kg ATEmix (inhalation-vapour) 699.5098 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Trimethoxyvinylsilane	LD50 = 7120 -7236 mg/kg	= 3360 μL/kg (Oryctolagus	LC50 (4hr) 16.8 mg/l (Rattus)
2768-02-7	(Rattus) OECD 401	cuniculus)	OECD TG 403
N-(3-(trimethoxysilyl)propyl)eth	=2295 mg/kg (Rattus)	>2000 mg/Kg (Rattus)	LC50 4H (Aerosol)1.5 - 2.44
vlenediamine	,		mg/L air
1760-24-3			3
Dioctyltinbis(acetylacetonate)	LD50 =2500 mg/kg (Rattus)	LD50 >2000 mg/kg (Rattus)	
54068-28-9	3 3 (,	3 3 (,	
1,2-Ethanediamine,	=200 - 2000 mg/Kg (Rattus)	>5000 mg/Kg (Oryctolagus	
N-[3-(dimethoxymethylsilyl)pro	(OECD 401)	cuniculus)	
pyll-	,	(OECD 402)	
3069-29-2		( ,	
Titanium dioxide	>10000 mg/kg (Rattus)	LD50 > 10000 mg/Kg	>5 mg/l
13463-67-7	>10000 mg/kg (Kallus)		/5 ilig/i
13403-07-7			

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

**Skin corrosion/irritation**Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation** OECD Test No. 406: Skin Sensitisation. No sensitisation responses were observed. No

classification is proposed, based on conclusive negative data. May cause sensitisation in

susceptible persons.

Product Information					
Method Species Exposure route Results					
OECD Test No. 406: Skin	Guinea pig	Dermal	No sensitisation responses		
Sensitisation			were observed		
OECD Test No. 406: Skin	Guinea pig	Dermal	No sensitisation responses		
Sensitisation			were observed		

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

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

	Chemical name	European Union
ſ	Titanium dioxide	Carc. 2
	13463-67-7	



MS-11 BROWN
Supercedes Date: 19-Nov-2020
Revision Number 2
Revision Number 2

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

## 11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

# **SECTION 12: Ecological information**

## 12.1. Toxicity

Ecotoxicity

Chemical name	Algae/aquatic	Fish	Toxicity to	Crustacea	M-Factor	M-Factor
	plants		microorganisms			(long-term)
Trimethoxyvinylsilane	EC 50 (72h) >	LC50 (96h) =	-	EC50(48hr)		
2768-02-7	957 mg/l	191 mg/l		168.7mg/l		
	(Desmodesmus	(Oncorhynchus		(Daphnia		
	subspicatus)	mykiss)		magna)		
	EU Method C.3					
N-(3-(trimethoxysilyl)pr	-	LC50 (96H)	-	EC50 (48h)		
opyl)ethylenediamine		=597 mg/L		=81mg/L		
1760-24-3		(Danio		Daphnia magna		
		rerio)Semi-static		Static		
Dioctyltinbis(acetylacet	-	LC50 (96h) =86	-	EC50 (48h)		
onate)		mg/L (Static)		=58.6 mg/L		
54068-28-9				(Daphnia		
				magna)		
Titanium dioxide	LC50 (96h)	-	-	-	_	
13463-67-7	>10000 mg/l					
	(Cyprinodon					
	variegatus)					
	OECD 203					

## 12.2. Persistence and degradability

**Persistence and degradability** No information available.

Component Information				
Trimethoxyvinylsilane (2768-02-7)				
Method Exposure time Value Results				
OECD Test No. 301F: Ready	28 days	BOD	51 % Not readily	
Biodegradability: Manometric	·		biodegradable	



MS-11 BROWN

Revision date 18-Mar-2021

Supercedes Date: 19-Nov-2020

Revision Number 2

Respirometry Test (TG 301 F)

#### 12.3. Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

## **Component Information**

Chemical name	Partition coefficient	Bioconcentration factor (BCF)
Trimethoxyvinylsilane	1.1	-
2768-02-7		
N-(3-(trimethoxysilyl)propyl)ethylenediami	-0.3	-
ne		
1760-24-3		

## 12.4. Mobility in soil

Mobility in soil No information available.

### 12.5. Results of PBT and vPvB assessment

#### PBT and vPvB assessment

Chemical name	PBT and vPvB assessment	
Trimethoxyvinylsilane	The substance is not PBT / vPvB	
2768-02-7		
N-(3-(trimethoxysilyl)propyl)ethylenediamine 1760-24-3	The substance is not PBT / vPvB	
Dioctyltinbis(acetylacetonate) 54068-28-9	The substance is not PBT / vPvB	
1,2-Ethanediamine, N-[3-(dimethoxymethylsilyl)propyl]- 3069-29-2	The substance is not PBT / vPvB	
Titanium dioxide	The substance is not PBT / vPvB	
13463-67-7	PBT assessment does not apply	

## 12.6. Other adverse effects

Other adverse effects No information available.

# **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

Waste from residues/unused products

Uncured product should be disposed of as hazardous waste. Dispose of contents/container in accordance with local, regional, national, and international

regulations as applicable.

Contaminated packaging Handle contaminated packages in the same way as the product itself.

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

Other information Waste codes should be assigned by the user based on the application for which the

product was used.

# **SECTION 14: Transport information**



**MS-11 BROWN** Revision date 18-Mar-2021 **Revision Number** 2 Supercedes Date: 19-Nov-2020

Land transport (ADR/RID)

14.1 UN number or ID number Not regulated Not regulated 14.2 Proper Shipping Name 14.3 Transport hazard class(es) Not regulated 14.4 Packing group Not regulated 14.5 Environmental hazards Not applicable

14.6 Special Provisions None

**IMDG** 

14.1 UN number or ID number Not regulated 14.2 Proper Shipping Name Not regulated 14.3 Transport hazard class(es) Not regulated Not regulated 14.4 Packing group

NP 14.5 Marine pollutant 14.6 Special Provisions None

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code Not applicable

## Air transport (ICAO-TI / IATA-DGR)

14.1 UN number or ID number Not regulated 14.2 Proper Shipping Name Not regulated 14.3 Transport hazard class(es) Not regulated 14.4 Packing group Not regulated 14.5 Environmental hazards Not applicable

14.6 Special Provisions None

## Section 15: REGULATORY INFORMATION

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

## **European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

## Registration, Evaluation, Authorization, and Restriction of Chemicals (REACh) Regulation (EC 1907/2006)

### **SVHC: Substances of Very High Concern for Authorisation:**

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical name	CAS No	Restricted substance per REACH Annex XVII
Diisononyl phthalate	28553-12-0	52[a].

52. Not to be used in toys or childcare articles above 0.1% which can be placed in the mouth by children.

#### Substance subject to authorisation per REACH Annex XIV

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

#### **Export Notification requirements**

This product contains substances which are regulated pursuant to Regulation (EC) No. 649/2012 of the European parliament



Revision date 18-Mar-2021

Supercedes Date: 19-Nov-2020 Revision Number 2

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and of the council concerning the export and import of dangerous chemicals

Chemical name	European Export/Import Restrictions per (EC) 689/2008 - Annex
	Number
Dioctyltinbis(acetylacetonate)	l.1

### Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

MS-11 BROWN

## **Persistent Organic Pollutants**

Not applicable

### National regulations

### 15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

# **SECTION 16: Other information**

### Key or legend to abbreviations and acronyms used in the safety data sheet

### Full text of H-Statements referred to under section 3

H226 - Flammable liquid and vapour

H302 - Harmful if swallowed

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H318 - Causes serious eye damage

H332 - Harmful if inhaled

H335 - May cause respiratory irritation

H371 - May cause damage to organs

## Legend

TWA TWA (time-weighted average)
STEL STEL (Short Term Exposure Limit)

Ceiling Ceiling Limit Value
\* Skin designation

SVHC Substance(s) of Very High Concern

PBT Persistent, Bioaccumulative, and Toxic (PBT) Chemicals vPvB Very Persistent and very Bioaccumulative (vPvB) Chemicals

STOT RE Specific target organ toxicity - Repeated exposure STOT SE Specific target organ toxicity - Single exposure

EWC European Waste Catalogue

### Key literature references and sources for data

No information available

Prepared By Product Safety & Regulatory Affairs

Revision date 18-Mar-2021

Indication of changes

Revision note Not applicable.



MS-11 BROWN
Supercedes Date: 19-Nov-2020

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**Training Advice** When working with hazardous materials, regular training of operators is required by law

Further information No information available

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

#### **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**