SILASTIC(R) 81-F NW CURING AGENT

Version	Revision Date:	SDS Number:	Date of last issue: 23.10.2015
2.3	25.04.2016	671525-00005	Date of first issue: 24.10.2014

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

1.1 Product identifier				
Trade name	: SILASTIC(R) 81-F NW CURING AGENT			
Product code	: 0000000004075059			
1.2 Relevant identified uses of the substance or mixture and uses advised against				

Use of the Sub-	: Vulcanising agents, Polymer
stance/Mixture	

1.3 Details of the supplier of the safety data sheet

Company	:	Dow Corning Europe S.A. rue Jules Bordet - Parc Industriel - Zone C B-7180 Seneffe	
PO box	:	65091	
Telephone	:	English Tel:+49 611237507Deutsch Tel:+49 611237500Français Tel:+32 64511149Italiano Tel:+32 64511170Español Tel:+32 64511163	
E-mail address of person responsible for the SDS	:	sdseu@dowcorning.com	

1.4 Emergency telephone number

Dow Corning (Barry U.K. 24h) Tél: +44 1446732350 Dow Corning (Wiesbaden 24h) Tél: +49 61122158 Dow Corning (Seneffe 24h) Tel: +32 64 888240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)				
Reproductive toxicity, Category 2	H361d: Suspected of damaging the unborn child.			

Specific target organ toxicity - repeated exposure, Category 2	H373: May cause damage to organs through pro- longed or repeated exposure.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)



SILASTIC(R) 81-F NW CURING AGENT

Version 2.3	Revision Date: 25.04.2016		S Number: 1525-00005	Date of last issue: 23.10.2015 Date of first issue: 24.10.2014	
Hazard pictograms		:			
Signa	al word	: '	Warning		
Hazard statements			H361d Suspected of damaging the unborn child. H373 May cause damage to organs through prolonged or repeated exposure.		
Precautionary statements			P202 Do not read and unde	protective gloves/ protective clothing/ eye protec-	
			Response: P308 + P313 attention.	IF exposed or concerned: Get medical advice/	
			Storage: P405 Store I	ocked up.	

Hazardous components which must be listed on the label: Dimethylbis[(1-oxoneodecyl)oxy]stannane

2.3 Other hazards

Vapours may form explosive mixture with air.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature	:	Organotin compound
-----------------	---	--------------------

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
Trimethoxyphenylsilane	2996-92-1 221-066-9 01-2119964479-19	Flam. Liq. 3; H226 Acute Tox. 4; H302 STOT RE 2; H373	>= 10 - < 20
Dimethylbis[(1- oxoneodecyl)oxy]stannane	68928-76-7 273-028-6	Acute Tox. 4; H302 Repr. 2; H361d STOT RE 1; H372 Aquatic Chronic 3; H412	>= 3 - < 10
Methanol	67-56-1	Flam. Liq. 2; H225	>= 0.1 - < 1

SILASTIC(R) 81-F NW CURING AGENT

Version 2.3	Revision Date: 25.04.2016	SDS Number: 671525-00005		of last issue: 23.10.201 of first issue: 24.10.201	
		200-659-6 01-211943330)7-44	Acute Tox. 3; H301 Acute Tox. 3; H331 Acute Tox. 3; H311 STOT SE 1; H370	
Tetra	methoxysilane	681-84-5 211-656-4		Flam. Liq. 3; H226 Acute Tox. 1; H330 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT RE 1; H372	>= 0.1 - < 1

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures					
General advice :	In the case of accident or if you feel unwell, seek medical ad- vice immediately. When symptoms persist or in all cases of doubt seek medical advice.				
Protection of first-aiders :	First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.				
If inhaled :	If inhaled, remove to fresh air. Get medical attention.				
In case of skin contact :	In case of contact, immediately flush skin with soap and plenty of water. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.				
In case of eye contact :	Flush eyes with water as a precaution. Get medical attention if irritation develops and persists.				
If swallowed :	If swallowed, DO NOT induce vomiting. Get medical attention. Rinse mouth thoroughly with water.				
4.2 Most important symptoms and effects, both acute and delayed					
Risks :	Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure.				
4.3 Indication of any immediate medical attention and special treatment needed					
Treatment :	Treat symptomatically and supportively.				

SILASTIC(R) 81-F NW CURING AGENT

Version	Revision Date:	SDS Number:	Date of last issue: 23.10.2015
2.3	25.04.2016	671525-00005	Date of first issue: 24.10.2014

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	:	Water spray Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire- fighting	:	Do not use a solid water stream as it may scatter and spread fire. Flash back possible over considerable distance. Vapours may form explosive mixtures with air. Exposure to combustion products may be a hazard to health.
Hazardous combustion prod- ucts	:	Carbon oxides Silicon oxides Formaldehyde

Metal oxides

5.3 Advice for firefighters

Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.
Specific extinguishing meth- ods	:	Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment. Use water spray to cool unopened containers. Remove undamaged containers from fire area if it is safe to do so. Evacuate area.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Remove all sources of ignition. Use personal protective equipment. Follow safe handling advice and personal protective equip- ment recommendations.
6.2 Environmental precautions		
Environmental precautions	:	Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Prevent spreading over a wide area (e.g. by containment or oil barriers). Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages

SILASTIC(R) 81-F NW CURING AGENT

Version 2.3	Revision Date: 25.04.2016	SDS Number: 671525-00005	Date of last issue: 23.10.2015 Date of first issue: 24.10.2014
		cannot be contai	ned.
6.3 Method	is and material for co	ontainment and clean	ing up
Metho	ds for cleaning up	Soak up with ine Suppress (knock spray jet. For large spills, p ment to keep ma be pumped, store Clean up remain bent. Local or national posal of this mate employed in the mine which regul Sections 13 and	ols should be used. rt absorbent material. a down) gases/vapours/mists with a water provide dyking or other appropriate contain- terial from spreading. If dyked material can e recovered material in appropriate container. ing materials from spill with suitable absor- regulations may apply to releases and dis- erial, as well as those materials and items cleanup of releases. You will need to deter- lations are applicable. 15 of this SDS provide information regarding ational requirements.

6.4 Reference to other sections

See sections: 7, 8, 11, 12 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Technical measures	: See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
Local/Total ventilation	: Use with local exhaust ventilation.
Advice on safe handling	 Avoid inhalation of vapour or mist. Do not swallow. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Handle in accordance with good industrial hygiene and safety practice. Keep container tightly closed. Keep away from water. Protect from moisture. Keep away from heat and sources of ignition. Take precautionary measures against static discharges. Take care to prevent spills, waste and minimize release to the environment.
Hygiene measures	: Ensure that eye flushing systems and safety showers are located close to the working place. When using do not eat, drink or smoke. Wash contaminated clothing before re-use.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage	:	Keep in properly labelled containers. Store locked up. Keep
areas and containers		tightly closed. Keep in a cool, well-ventilated place. Store in

SILASTIC(R) 81-F NW CURING AGENT

Version 2.3	Revision Date: 25.04.2016	SDS Number: 671525-00005	Date of last issue: 23.10.2015 Date of first issue: 24.10.2014
Advice	e on common storage	away from heat	5
-	c end use(s)		
Specif	ic use(s)	elevated temper quire added pred For further inforr oils in consumer guidance docum als in consumer by the silicone ir	ns are for room temperature handling. Use at ature or aerosol/spray applications may re- cautions. mation regarding the use of silicones / organic aerosol applications, please refer to the nent regarding the use of these type of materi- aerosol applications that has been developed ndustry (www.SEHSC.com) or contact the stomer service group.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

O a man a manta			O sustant a sustain stand	Deele	
Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis	
Trimethewardson	2006 02 1	1 /	FOrem	DCC OEL	
Trimethoxyphen- ylsilane	2996-92-1	TWA	50 ppm	DCC OEL	
Dimethylbis[(1-	68928-76-7	TWA	0.1 mg/m3	GB EH40	
ox-			(Tin)		
oneodecyl)oxy]sta			()		
nnane					
Further information	Can be absor	bed through skin. Th	e assigned substances are t	hose for which	
	there are cond	cerns that dermal ab	sorption will lead to systemic	toxicity.	
		STEL	0.2 mg/m3	GB EH40	
			(Tin)		
Further information	Can be absorbed through skin. The assigned substances are those for which				
	there are cond	cerns that dermal ab	sorption will lead to systemic	toxicity.	
Methanol	67-56-1	TWA	200 ppm	2006/15/EC	
			260 mg/m3		
Further information	Indicative, Ide	ntifies the possibility	of significant uptake through	the skin	
		TWA	200 ppm	GB EH40	
			266 mg/m3		
Further information	Can be absor	bed through skin. Th	e assigned substances are t	hose for which	
	there are cond	there are concerns that dermal absorption will lead to systemic toxicity.			
		STEL	250 ppm	GB EH40	
			333 mg/m3		
Further information	Can be absor	bed through skin. Th	e assigned substances are t	hose for which	
	there are concerns that dermal absorption will lead to systemic toxicity.				



SILASTIC(R) 81-F NW CURING AGENT

Version	Revision Date:	SDS Number:	Date of last issue: 23.10.2015
2.3	25.04.2016	671525-00005	Date of first issue: 24.10.2014

Occupational exposure limits of decomposition products

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis	
Propan-1-ol	71-23-8	STEL	250 ppm	GB EH40	
			625 mg/m3		
Further information	Can be absor	bed through skin. Th	e assigned substances are t	hose for which	
	there are cond	cerns that dermal ab	sorption will lead to systemic	toxicity.	
		TWA	200 ppm	GB EH40	
			500 mg/m3		
Further information	Can be absor	bed through skin. Th	e assigned substances are t	hose for which	
	there are cond	cerns that dermal ab	sorption will lead to systemic	toxicity.	
Methanol	67-56-1	TWA	200 ppm	2006/15/EC	
			260 mg/m3		
Further information	Indicative, Ide	Indicative, Identifies the possibility of significant uptake through the skin			
		TWA	200 ppm	GB EH40	
			266 mg/m3		
Further information	Can be absorbed through skin. The assigned substances are those for which				
	there are cond	cerns that dermal ab	sorption will lead to systemic	toxicity.	
		STEL	250 ppm	GB EH40	
			333 mg/m3		
Further information	Can be absorbed through skin. The assigned substances are those for which				
	there are concerns that dermal absorption will lead to systemic toxicity.				

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health ef- fects	Value
Tetrapropyl orthosili- cate	Workers	Inhalation	Long-term systemic effects	85 mg/m3
	Workers	Inhalation	Acute systemic ef- fects	85 mg/m3
	Workers	Skin contact	Long-term systemic effects	12 mg/kg bw/day
	Workers	Skin contact	Acute systemic ef- fects	12 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	21 mg/m3
	Consumers	Inhalation	Acute systemic ef- fects	21 mg/m3
	Consumers	Skin contact	Long-term systemic effects	6 mg/kg bw/day
	Consumers	Skin contact	Acute systemic ef- fects	6 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	6 mg/kg bw/day
	Consumers	Ingestion	Acute systemic ef- fects	6 mg/kg bw/day
Alkoxysilane	Workers	Skin contact	Acute systemic ef- fects	2.5 mg/kg bw/day
	Workers	Inhalation	Acute systemic ef- fects	40.2 mg/m3
	Workers	Skin contact	Long-term systemic effects	2.5 mg/kg bw/day
	Workers	Inhalation	Long-term systemic	40.2 mg/m3

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

DOW CORNING

SILASTIC(R) 81-F NW CURING AGENT

sion	Revision Date 25.04.2016	: SDS Nui 671525-		of last issue: 23.10.2015 of first issue: 24.10.2014	
				effects	
		Consumers	Skin contact	Acute systemic ef- fects	33.3 mg/kg bw/day
		Consumers	Inhalation	Acute systemic ef- fects	10 mg/m3
		Consumers	Ingestion	Long-term systemic effects	0.7 mg/kg bw/day
		Consumers	Skin contact	Long-term systemic effects	1.7 mg/kg bw/day
		Consumers	Inhalation	Long-term systemic effects	10 mg/m3
Metha	anol	Workers	Inhalation	Long-term systemic effects	260 mg/m3
		Workers	Inhalation	Acute systemic ef- fects	260 mg/m3
		Workers	Inhalation	Long-term local ef- fects	260 mg/m3
		Workers	Inhalation	Acute local effects	260 mg/m3
		Workers	Skin contact	Long-term systemic effects	40 mg/kg bw/day
		Workers	Skin contact	Acute systemic ef- fects	40 mg/kg bw/day
		Consumers	Inhalation	Long-term systemic effects	50 mg/m3
		Consumers	Inhalation	Acute systemic ef- fects	50 mg/m3
		Consumers	Inhalation	Long-term local ef- fects	50 mg/m3
		Consumers	Inhalation	Acute local effects	50 mg/m3
		Consumers	Skin contact	Long-term systemic effects	8 mg/kg bw/day
		Consumers	Skin contact	Acute systemic ef- fects	8 mg/kg bw/day
		Consumers	Ingestion	Long-term systemic effects	8 mg/kg bw/day
		Consumers	Ingestion	Acute systemic ef- fects	8 mg/kg bw/day
Tetrar	nethoxysilane	Workers	Inhalation	Long-term local ef- fects	93 mg/m3
		Workers	Skin contact	Long-term systemic effects	0.3 mg/kg bw/day

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Tetrapropyl orthosilicate	Fresh water	10 mg/l
	Marine water	1 mg/l
	Fresh water sediment	11 mg/kg
	Marine sediment	1.1 mg/kg
	Soil	3.9 mg/kg
	Sewage treatment plant	96 mg/l
Alkoxysilane	Fresh water	0.24 mg/l
	Marine water	0.024 mg/l
	Fresh water sediment	0.24 mg/kg

SILASTIC(R) 81-F NW CURING AGENT

Version 2.3	Revision Date: 25.04.2016	SDS Number: 671525-00005	Date of last issue: Date of first issue:		
		Marine sedim	nent	0.024 mg/kg	
		Soil		0.07 mg/kg	
		Sewage treat	ment plant	74 mg/l	
Meth	anol	Fresh water	•	154 mg/l	
		Marine water		15.4 mg/l	
		Intermittent u	se/release	1540 mg/l	
		Sewage treat	Sewage treatment plant Fresh water sediment		
		Fresh water s			
		Soil		23.5 mg/kg	
Tetra	methoxysilane	Fresh water		5 mg/l	
	•	Marine water		0.5 mg/l	
		Fresh water s	sediment	4.44 mg/kg	
		Marine sedim	nent	0.44 mg/kg	
		Soil		0.99 mg/kg	
		Sewage treat	ment plant	> 1 mg/l	

8.2 Exposure controls

Engineering measures

Processing may form hazardous compounds (see section 10). Ensure adequate ventilation, especially in confined areas. Minimize workplace exposure concentrations.

Personal protective equipment

Eye protection	:	Wear the following personal protective equipment: Safety glasses
Hand protection Material	:	Chemical-resistant gloves
Remarks	:	Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous sub- stance and specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Take note that the product is flammable, which may impact the selection of hand protection. Wash hands before breaks and at the end of workday.
Skin and body protection	:	Select appropriate protective clothing based on chemical re- sistance data and an assessment of the local exposure poten- tial. Wear the following personal protective equipment: Flame retardant antistatic protective clothing. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).
Respiratory protection	:	Use respiratory protection unless adequate local exhaust ven- tilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.
Filter type	:	Self-contained breathing apparatus

SILASTIC(R) 81-F NW CURING AGENT

Version	Revision Date:	SDS Number:	Date of last issue: 23.10.2015
2.3	25.04.2016	671525-00005	Date of first issue: 24.10.2014

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	:	liquid
Colour	:	Clear to slightly hazy, colourless
Odour	:	slight
Odour Threshold	:	No data available
рН	:	No data available
Melting point/freezing point	:	No data available
Initial boiling point and boiling range	:	> 35 °C
Flash point	:	64 °C Method: Pensky-Martens closed cup
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Not applicable
Upper explosion limit	:	No data available
Lower explosion limit	:	No data available
Vapour pressure	:	No data available
Relative vapour density	:	No data available
Relative density	:	0.969
Solubility(ies) Water solubility	:	No data available
Partition coefficient: n- octanol/water	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity Viscosity, dynamic	:	40 mPa.s
Explosive properties	:	Not explosive
Oxidizing properties	:	The substance or mixture is not classified as oxidizing.

SILASTIC(R) 81-F NW CURING AGENT

Version 2.3	Revision Date: 25.04.2016	SDS Number: 671525-00005		Date of last issue: 23.10.2015 Date of first issue: 24.10.2014
9.2 Other	information			
Mole	cular weight	:	No data availa	able
SECTIO	N 10: Stability and	reactiv	/ity	
10.1 Read	tivity			
Not c	lassified as a reactivit	y hazar	d.	
10.2 Cher	nical stability			
Stabl	e under normal condit	ions.		
10.3 Poss	bility of hazardous	reactio	ns	
Haza	rdous reactions	:	Use at elevate compounds. Can react with Hazardous de tact with wate	form explosive mixture with air. ed temperatures may form highly hazardous in strong oxidizing agents. ecomposition products will be formed upon con- r or humid air. ecomposition products will be formed at elevated
10.4 Cond	ditions to avoid			
Cond	litions to avoid	:	Exposure to n Heat, flames a	
10.5 Inco	mpatible materials			
Mate	rials to avoid	:	Oxidizing age Water	nts
10.6 Haza	rdous decompositio	n prod	ucts	
Conta air	act with water or humi	d :	Propan-1-ol Methanol	
Therr	mal decomposition	:	Benzene Formaldehyde	

11.1 Information on toxicological effects

Information on likely routes of	:	Inhalation
exposure		Skin contact
		Ingestion
		Eye contact

Acute toxicity

Not classified based on available information.

SILASTIC(R) 81-F NW CURING AGENT

Version 2.3	Revision Date: 25.04.2016	SDS Number: 671525-00005	Date of last issue: 23.10.2015 Date of first issue: 24.10.2014
Prod	uct:		
	e oral toxicity		y estimate: > 2,000 mg/kg culation method
Acute	e inhalation toxicity	Exposure tir Test atmosp	y estimate: > 20 mg/l ne: 4 h here: vapour culation method
Acute	e dermal toxicity		y estimate: > 2,000 mg/kg culation method
Com	ponents:		
Trim	ethoxyphenylsilane:		
Acute	e oral toxicity	: LD50 (Rat): Remarks: Ba	1,049 mg/kg ased on test data
Dime	thylbis[(1-oxoneodeo	:yl)oxy]stannane:	
Acute	e oral toxicity	: LD50 (Rat): Method: OE	894 mg/kg CD Test Guideline 401
Acute	e dermal toxicity		> 2,000 mg/kg CD Test Guideline 402 :: The substance or mixture has no acute dermal
Meth	anol:		
Acute	e oral toxicity		y estimate (Humans): 300 mg/kg pert judgement
Acute	e inhalation toxicity	Exposure tir Test atmosp Method: Exp	here: vapour pert judgement ased on harmonised classification in EU regulation
Acute	e dermal toxicity		y estimate (Humans): 300 mg/kg pert judgement
Tetra	amethoxysilane:		
	e oral toxicity	icity	> 2,000 mg/kg :: The substance or mixture has no acute oral tox- ased on data from similar materials
Acute	e inhalation toxicity		

SILASTIC(R) 81-F NW CURING AGENT

Version	Revision Date: 25.04.2016	SDS Number:	Date of last issue: 23.10.2015
2.3		671525-00005	Date of first issue: 24.10.2014
Acute	dermal toxicity	toxicity	17,544 mg/kg he substance or mixture has no acute derma mation taken from reference works and the

Skin corrosion/irritation

Not classified based on available information.

Components:

Trimethoxyphenylsilane:

Species: Rabbit Result: No skin irritation Remarks: Based on test data

Dimethylbis[(1-oxoneodecyl)oxy]stannane:

Species: Rabbit Method: OECD Test Guideline 404 Result: No skin irritation

Methanol:

Species: Rabbit Result: No skin irritation

Tetramethoxysilane:

Species: Rabbit Result: Skin irritation Remarks: Based on data from similar materials

Serious eye damage/eye irritation

Not classified based on available information.

Components:

Trimethoxyphenylsilane:

Species: Rabbit Result: No eye irritation Remarks: Based on data from similar materials

Dimethylbis[(1-oxoneodecyl)oxy]stannane:

Species: Rabbit Method: OECD Test Guideline 405 Result: No eye irritation

Methanol:

Species: Rabbit Result: No eye irritation



SILASTIC(R) 81-F NW CURING AGENT

Version	Revision Date:	SDS Number:	Date of last issue: 23.10.2015
2.3	25.04.2016	671525-00005	Date of first issue: 24.10.2014

Tetramethoxysilane:

Result: Irreversible effects on the eye Remarks: Based on test data

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Components:

Methanol:

Test Type: Maximisation Test Exposure routes: Skin contact Species: Guinea pig Result: negative

Tetramethoxysilane:

Assessment: Does not cause skin sensitisation.

Test Type: Buehler Test Species: Guinea pig Remarks: Based on data from similar materials

Germ cell mutagenicity

Not classified based on available information.

Components:

Trimethoxyphenylsilane:

Genotoxicity in vitro	:	Test Type: Bacterial reverse mutation assay (AMES)
		Result: negative
		Remarks: Based on test data

Dimethylbis[(1-oxoneodecyl)oxy]stannane:

Genotoxicity in vitro	:	Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative
Methanol:		
Genotoxicity in vitro	:	Test Type: Bacterial reverse mutation assay (AMES) Method: OECD Test Guideline 471 Result: negative
	:	Test Type: In vitro mammalian cell gene mutation test Method: OECD Test Guideline 476 Result: negative

SILASTIC(R) 81-F NW CURING AGENT

Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vicytogenetic assay) Species: Nouse Application Route: Intraperitoneal injection Result: negative Tetramethoxysilane: : Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vicytogenetic assay) Species: Rat Application Route: Inhalation Result: negative Remarks: Based on test data Germ cell mutagenicity- As- sessment : Animal testing did not show any mutagenic effects. Carcinogenicity Not classified based on available information. : Carcinogenicity Not classified based on available information. : Methanol: Species: Rat Application Route: inhalation (vapour) Exposure time: 18 Months Method: OECD Test Guideline 453 Result: negative : Reproductive toxicity Suspected of damaging the unborn child. : Components: : Heftox on fertility : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: ingestion Symptoms: No effects on fertility Remarks: Based on test data Effects on foetal develop- ment : : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: ingestion Symptoms: No effects on foetal development <th>ersion 3</th> <th>Revision Date: 25.04.2016</th> <th></th> <th>DS Number: 1525-00005</th> <th>Date of last issue: 23.10.2015 Date of first issue: 24.10.2014</th>	ersion 3	Revision Date: 25.04.2016		DS Number: 1525-00005	Date of last issue: 23.10.2015 Date of first issue: 24.10.2014
Genotoxicity in vivo : Test Type: Mammalian erythrocyte micronucleus test (in vicytogenetic assay) Species: Rat Application Route: Inhalation Result: negative Remarks: Based on test data Germ cell mutagenicity- Assessment : Animal testing did not show any mutagenic effects. Sessment : Animal testing did not show any mutagenic effects. Carcinogenicity Not classified based on available information. Components: Methanol: Species: Mouse Application Route: inhalation (vapour) Exposure time: 18 Months Method: OECD Test Guideline 453 Result: negative Reproductive toxicity Suspected of damaging the unborn child. Components: Trimethoxyphenylsilane: : Effects on fertility : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on fertility Remarks: Based on test data Effects on foetal develop-ment : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on foetal development ergroduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on foetal development ergroductin/developmental toxicity screening test Species: Rat,	Genotoxicity in vivo		:	cytogenetic assay Species: Mouse Application Route	/)
cytogenetic assay) Species: Rat Application Route: Inhalation Result: negative Remarks: Based on test data Germ cell mutagenicity- As- sessment Carcinogenicity Not classified based on available information. Components: Methanol: Species: Mouse Application Route: inhalation (vapour) Exposure time: 18 Months Method: OECD Test Guideline 453 Result: negative Reproductive toxicity Suspected of damaging the unborn child. Components: Trimethoxyphenylsilane: Effects on fertility Effects on fertility Effects on foetal develop- ment Effects on foetal develop- ment Effects on foetal develop- ment Nethod: No evidence of adverse effects on sexual function and fertil Reproductive toxicity - As- No evidence of adverse effects on sexual function and fertil Reproductive toxicity - As-	Tetra	methoxysilane:			
sessment Carcinogenicity Not classified based on available information. Components: Methanol: Species: Mouse Application Route: inhalation (vapour) Exposure time: 18 Months Method: OECD Test Guideline 453 Result: negative Reproductive toxicity Suspected of damaging the unborn child. Components: Trimethoxyphenylsilane: Effects on fertility : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on fertility Effects on foetal develop- ment : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on foetal development Effects on foetal develop- ment : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on foetal development Remarks: Based on test data			:	cytogenetic assay Species: Rat Application Route Result: negative	y) e: Inhalation
Not classified based on available information. Components: Methanol: Species: Mouse Application Route: inhalation (vapour) Exposure time: 18 Months Method: OECD Test Guideline 453 Result: negative Reproductive toxicity Suspected of damaging the unborn child. Components: Trimethoxyphenylsilane: Effects on fertility : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on fertility Remarks: Based on test data Effects on foetal developmental : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on fertility Remarks: Based on test data Effects on foetal developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on foetal development Remarks: Based on test data Reproductive toxicity - As- : No evidence of adverse effects on sexual function and fertility		• •	:	Animal testing dic	not show any mutagenic effects.
Components: Methanol: Species: Mouse Application Route: inhalation (vapour) Exposure time: 18 Months Method: OECD Test Guideline 453 Result: negative Reproductive toxicity Suspected of damaging the unborn child. Components: Trimethoxyphenylsilane: Effects on fertility : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on fertility Remarks: Based on test data Effects on foetal developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on foetal developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on foetal developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on foetal development Remarks: Based on test data Reproductive toxicity - As- : No evidence of adverse effects on sexual function and fertility		• •	bla	information	
Methanol: Species: Mouse Application Route: inhalation (vapour) Exposure time: 18 Months Method: OECD Test Guideline 453 Result: negative Reproductive toxicity Suspected of damaging the unborn child. Components: Trimethoxyphenylsilane: Effects on fertility : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on fertility Remarks: Based on test data Effects on foetal development : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on fertility Remarks: Based on test data Effects on foetal development : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on foetal development Remarks: Based on test data Reproductive toxicity - As- : No evidence of adverse effects on sexual function and fertility			apie	information.	
Species: Mouse Application Route: inhalation (vapour) Exposure time: 18 Months Method: OECD Test Guideline 453 Result: negative Reproductive toxicity Suspected of damaging the unborn child. Components: Trimethoxyphenylsilane: Effects on fertility : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on fertility Remarks: Based on test data Effects on foetal development : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on fertility Effects on foetal development : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on foetal development Remarks: Based on test data Reproductive toxicity - As- : No evidence of adverse effects on sexual function and fertility					
Suspected of damaging the unborn child. Components: Trimethoxyphenylsilane: Effects on fertility : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on fertility Remarks: Based on test data Effects on foetal development : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on test data Effects on foetal development : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on foetal development Remarks: Based on test data Reproductive toxicity - As- : No evidence of adverse effects on sexual function and female	Speci Applic Expos Metho	es: Mouse cation Route: inhalation sure time: 18 Months od: OECD Test Guidelin			
Components:Trimethoxyphenylsilane:Effects on fertility:Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on fertility Remarks: Based on test dataEffects on foetal develop- ment:Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on fertility Remarks: Based on test dataEffects on foetal develop- ment:Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on foetal development Remarks: Based on test dataReproductive toxicity - As-:No evidence of adverse effects on sexual function and fertile	Repro	oductive toxicity			
Trimethoxyphenylsilane: Effects on fertility : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on fertility Remarks: Based on test data Effects on foetal developmental : Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on foetal developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on foetal development Remarks: Based on test data Reproductive toxicity - As- : No evidence of adverse effects on sexual function and fertility	Suspe	ected of damaging the u	nbo	rn child.	
Effects on fertility: Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on fertility Remarks: Based on test dataEffects on foetal develop- ment: Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on fertility Remarks: Based on test dataEffects on foetal develop- ment: Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on foetal development Remarks: Based on test dataReproductive toxicity - As-: No evidence of adverse effects on sexual function and fertility Remarks: Based on test data	<u>Com</u>	oonents:			
reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on fertility Remarks: Based on test dataEffects on foetal develop- ment:Test Type: Combined repeated dose toxicity study with the reproduction/developmental toxicity screening test Species: Rat, male and female Application Route: Ingestion Symptoms: No effects on foetal development Remarks: Based on test dataReproductive toxicity - As-:No evidence of adverse effects on sexual function and fertility reproduction and fertility reproduction and fertility reproduction and fertility reproductive toxicity - As-	Trime	thoxyphenylsilane:			
mentreproduction/developmental toxicity screening testSpecies: Rat, male and femaleApplication Route: IngestionSymptoms: No effects on foetal developmentReproductive toxicity - As-:No evidence of adverse effects on sexual function and ferti	Effect	s on fertility	:	reproduction/deve Species: Rat, mai Application Route Symptoms: No ef	elopmental toxicity screening test le and female e: Ingestion fects on fertility
		s on foetal develop-	:	reproduction/deve Species: Rat, mai Application Route Symptoms: No ef	elopmental toxicity screening test le and female e: Ingestion fects on foetal development
	•	-	:		

SILASTIC(R) 81-F NW CURING AGENT

Vers 2.3	sion	Revision Date: 25.04.2016		S Number: 1525-00005	Date of last issue: 23.10.2015 Date of first issue: 24.10.2014
	Dimeth	ylbis[(1-oxoneodecy	l)ox	y]stannane:	
	Reprod sessme	uctive toxicity - As- ent	:	Some evidence of animal experiment	adverse effects on development, based on ts.
	Methar	nol:			
	Effects	on fertility	:	Test Type: Fertility Species: Mouse Application Route Result: negative	/early embryonic development
	Effects ment	on foetal develop-	:	Species: Mouse Application Route Method: OECD Te Result: positive	•

STOT - single exposure

Not classified based on available information.

Components:

Methanol:

Target Organs: Eyes, Central nervous system Assessment: Causes damage to organs.

STOT - repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Components:

Trimethoxyphenylsilane:

Exposure routes: Ingestion Target Organs: Bladder, Kidney Assessment: Shown to produce significant health effects in animals at concentrations of >10 to 100 mg/kg bw.

Exposure routes: inhalation (vapour) Assessment: No significant health effects observed in animals at concentrations of 1 mg/l/6h/d or less.

Dimethylbis[(1-oxoneodecyl)oxy]stannane:

Exposure routes: Ingestion Target Organs: Immune system, Central nervous system Assessment: Shown to produce significant health effects in animals at concentrations of 10 mg/kg bw or less.

Tetramethoxysilane:

Exposure routes: inhalation (vapour) Target Organs: Respiratory system



SILASTIC(R) 81-F NW CURING AGENT

Version	Revision Date:	SDS Number:	Date of last issue: 23.10.2015
2.3	25.04.2016	671525-00005	Date of first issue: 24.10.2014

Assessment: Shown to produce significant health effects in animals at concentrations of 0.2 mg/l/6h/d or less.

Repeated dose toxicity

Components:

Trimethoxyphenylsilane:

Species: Rat Application Route: Ingestion Target Organs: Bladder, Kidney Remarks: Based on test data

Species: Rat Application Route: inhalation (vapour) Remarks: Based on test data

Dimethylbis[(1-oxoneodecyl)oxy]stannane:

Species: Rat NOAEL: < 1.6 mg/kg Application Route: Ingestion Exposure time: 90 Days Remarks: Based on data from similar materials

Methanol:

Species: Rat NOAEL: 1.06 mg/l Application Route: inhalation (vapour) Exposure time: 90 Days

Tetramethoxysilane:

Species: Rat Application Route: inhalation (vapour) Target Organs: Respiratory system Remarks: Based on test data

Aspiration toxicity

Not classified based on available information.

SECTION 12: Ecological information

12.1 Toxicity

Components:

Trimethoxyphenylsilane:

Toxicity to fish

 LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l Exposure time: 96 h Method: OECD Test Guideline 203 Remarks: Based on data from similar materials

SILASTIC(R) 81-F NW CURING AGENT

Vers 2.3	sion	Revision Date: 25.04.2016	-	S Number: 1525-00005	Date of last issue: 23.10.2015 Date of first issue: 24.10.2014
		to daphnia and other invertebrates	:	EC50 (Daphnia sp Exposure time: 48 Method: OECD Te Remarks: Based o No toxicity at the I	3 h est Guideline 202 on test data
	Toxicity	to algae	:	ErC50 (Pseudokir mg/l Exposure time: 72 Method: OECD Te Remarks: Based o No toxicity at the l	est Guideline 201 on test data
	Toxicity	to bacteria	:	EC50 : > 1,000 m Exposure time: 3 Method: OECD Te Remarks: Based o	ĥ
	Dimeth	ylbis[(1-oxoneodecy)ox	y]stannane:	
	Toxicity		:	LC50 (Danio rerio Exposure time: 96 Method: OECD Te	
		to daphnia and other invertebrates	:	Exposure time: 48 Method: OECD Te	
	Toxicity	to algae	:	Exposure time: 72 Method: OECD Te	
				Exposure time: 72 Method: OECD Te	
	Methan				
	Toxicity		:	LC50 (Lepomis m Exposure time: 96	acrochirus (Bluegill sunfish)): 15,400 mg/l 5 h
		to daphnia and other invertebrates	:	EC50 (Daphnia m Exposure time: 48	agna (Water flea)): > 10,000 mg/l 3 h
	Toxicity	to algae	:	EC50 (Pseudokiro mg/l Exposure time: 96 Method: OPPTS 8	
	Toxicity	to bacteria	:	EC50 : 20,000 mg	ŋ/l
			_	18 / 24	

SILASTIC(R) 81-F NW CURING AGENT

ersion .3	Revision Date: 25.04.2016		S Number: 1525-00005	Date of last issue: 23.10.2015 Date of first issue: 24.10.2014
			Exposure time: 1	5 h
Toxici icity)	ty to fish (Chronic tox-	:	NOEC: 15,800 m Exposure time: 2 Species: Oryzias	
Tetrar	nethoxysilane:			
	ty to fish	:	Exposure time: 9 Method: Directive	o (zebra fish)): > 245 mg/l 6 h e 67/548/EEC, Annex V, C.1. on data from similar materials
	ty to daphnia and other c invertebrates	:	Exposure time: 4 Method: OECD T	est Guideline 202 on data from similar materials
Toxici	ty to algae	:	Exposure time: 7 Method: OECD T	rum capricornutum (green algae)): > 22 mg/ 2 h est Guideline 201 city at the limit of solubility
Ecoto	xicology Assessment			
Acute	aquatic toxicity	:	This product has	no known ecotoxicological effects.
2.2 Persis	stence and degradabil	ity		
Comp	onents:			
Trime	thoxyphenylsilane:			
	gradability	:		1 %
Dimet	hylbis[(1-oxoneodecy	l)ox	y]stannane:	
	gradability	:	Result: Not readil Biodegradation: Exposure time: 3	3 %
				on data from similar materials
Metha	ınol:			

SILASTIC(R) 81-F NW CURING AGENT

Version 2.3	Revision Date: 25.04.2016		0S Number: 1525-00005	Date of last issue: 23.10.2015 Date of first issue: 24.10.2014
Stat	pility in water	:	Degradation half	life: < 3 min pH: 7
12.3 Bio	accumulative potential			
Con	nponents:			
Met	hanol:			
Bioa	ccumulation	:		us idus (Golden orfe) factor (BCF): < 10
	ition coefficient: n- nol/water	:	log Pow: -0.77	
Tetr	amethoxysilane:			
	ition coefficient: n- nol/water	:	log Pow: -0.5	
	b ility in soil lata available			
	ults of PBT and vPvB a relevant	asses	ssment	
	er adverse effects lata available			
SECTIO	N 13: Disposal cons	idera	ations	
13.1 Was	ste treatment methods			
Proc	duct	:	According to the	ordance with local regulations. European Waste Catalogue, Waste Codes pecific, but application specific.

discussion with the waste disposal authorities.
 Contaminated packaging

 Empty containers should be taken to an approved waste handling site for recycling or disposal.
 Empty containers retain residue and can be dangerous.
 Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. They may explode and cause injury and/or death.
 If not otherwise specified: Dispose of as unused product.

Waste codes should be assigned by the user, preferably in

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

Revision Date:

Version

DOW CORNING

Date of last issue: 23.10.2015

SILASTIC(R) 81-F NW CURING AGENT

SDS Number:

2.3	25.04.2016	671525-00005	Date of first issue: 24.10.2014				
-	ort hazard class(e ulated as a dangero	•					
14.4 Packin Not reg	g group ulated as a dangero	us good					
14.5 Enviro	nmental hazards ulated as a dangero	-					
14.6 Specia Not app	I precautions for u	ser					
14.7 Transp	ort in bulk accordi	ng to Annex II of Ma	pol and the IBC Code				
Remark	(S	: Not applicable	for product as supplied.				
SECTION	15: Regulatory in	formation					
15.1 Safety, ture	, health and enviro	nmental regulations/	legislation specific for the substance or mix-				
Regula ment a		12 of the European Pa erning the export and i					
	REACH - Candidate List of Substances of Very High : Not applicable Concern for Authorisation (Article 59).						
	tion (EC) No 1005/2 e ozone layer	009 on substances the	at de- : Not applicable				
Regula [.] lutants	tion (EC) No 850/20	04 on persistent orgar	ic pol- : Not applicable				
		8/EU of the European olving dangerous subs Not applicable	Parliament and of the Council on the control of tances.				
Other re	egulations		irective 92/85/EEC regarding maternity protec- national regulations, where applicable.				
			irective 94/33/EC on the protection of young or stricter national regulations, where applica-				
The co	mponents of this p	roduct are reported	n the following inventories:				
NZIoC		: All ingredients	listed or exempt.				
REACH	1	ents are currer purchases from	from Dow Corning EU legal entities, all ingredi- tly pre/registered or exempt under REACH. For a non-EU Dow Corning legal entities with the port into EEA please contact your DC repre- office.				
TSCA		: All chemical su	bstances in this material are included on or				

SILASTIC(R) 81-F NW CURING AGENT

Version 2.3	Revision Date: 25.04.2016	DS Number:Date of last issue: 2371525-00005Date of first issue: 24	
		exempted from listing on the TSCA Inve Substances.	entory of Chemical
AIC	S	All ingredients listed or exempt.	
IEC	SC	All ingredients listed or exempt.	
ENG	CS/ISHL	All components are listed on ENCS/ISF inventory listing.	IL or exempted from
KEC		All ingredients listed, exempt or notified	
PIC	CS	All ingredients listed or exempt.	
DSI	-	All chemical substances in this product 1999 and NSNR and are on or exempt nadian Domestic Substances List (DSL	from listing on the Ca-
TCS	61	All ingredients listed or exempt.	

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

	Highly flammable liquid and vapour.
:	Flammable liquid and vapour.
:	Toxic if swallowed.
:	Harmful if swallowed.
•	Toxic in contact with skin.
:	Causes skin irritation.
	Causes serious eye damage.
	Fatal if inhaled.
	Toxic if inhaled.
	Suspected of damaging the unborn child.
:	Causes damage to organs.
:	Causes damage to organs through prolonged or repeated exposure if inhaled.
:	Causes damage to organs through prolonged or repeated exposure if swallowed.
:	May cause damage to organs through prolonged or repeated exposure if swallowed.
:	Harmful to aquatic life with long lasting effects.
ns	
	Acute toxicity Chronic aquatic toxicity Serious eye damage Flammable liquids Reproductive toxicity Skin irritation Specific target organ toxicity - repeated exposure

SILASTIC(R) 81-F NW CURING AGENT

Version 2.3	Revision Date: 25.04.2016		S Number: 1525-00005	Date of last issue: 23.10.2015 Date of first issue: 24.10.2014
DCC C GB EH	5/EC DEL	:	Europe. Indicati Dow Corning G UK. EH40 WEL Limit Value - eig Time weighted a Long-term expo	 Workplace Exposure Limits thours

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road: AICS - Australian Inventory of Chemical Substances: ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx -Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx -Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

compile the Safety Data Sheet

Sources of key data used to : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, http://echa.europa.eu/

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

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 is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a

SILASTIC(R) 81-F NW CURING AGENT

Version	Revision Date:	SDS Number:	Date of last issue: 23.10.2015
2.3	25.04.2016	671525-00005	Date of first issue: 24.10.2014

warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

GB / EN