SAFETY DATA SHEET

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2015/830.

Pacifyre® S

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

1.1 Product identifier

Product name : Pacifyre® S
Registration number REACH : Not applicable (mixture)
Product type REACH : Mixture

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

1.2.1 Relevant identified uses

Sealing compound

1.2.2 Uses advised against

No uses advised against known

1.3 Details of the supplier of the safety data sheet

J. van Walraven Holding B.V.
Industrieweg 5 | NL-3641 RK Mijdrecht | Tel. +31 297 23 30 00 | Fax +31 297 28 64 09 | www.walraven.com

export@walraven.com

1.4 Emergency telephone number

+31 (0)297 23 30 00

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

2.2 Label elements

Not classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

Supplemental information

EUH210 Safety data sheet available on request

2.3 Other hazards

No other hazards known

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

2-pentanone, O,O',O''-(methylsilylidyne)trioxime

REACH Registration No	CAS No	EC No	Conc. (C)	Classification according to CLP	Note	Remark
01-2120004323-76	37859-55-5	484-460-1	1%<C<10%	Acute Tox. 4; H302 Eye Irrit. 2; H319	(1)(10)	Constituent

(1) For H-statements in full: see heading 16
(10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006

SECTION 4: First aid measures

4.1 Description of first aid measures

General:
If you feel unwell, seek medical advice.

After inhalation:
Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

After skin contact:
Rinse with water. Do not apply (chemical) neutralizing agents without medical advice. Take victim to a doctor if irritation persists.

After eye contact:
Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing. Do not apply (chemical) neutralizing agents without medical advice. Take victim to an ophthalmologist if irritation persists.

After ingestion:
Rinse mouth with water. Do not apply (chemical) neutralizing agents without medical advice. Consult a doctor/medical service if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

4.2.1 Acute symptoms

After inhalation:
No effects known.

After skin contact:
No effects known.

After eye contact:
No effects known.

After ingestion:
No effects known.

4.2.2 Delayed symptoms

No effects known.

4.3 Indication of any immediate medical attention and special treatment needed

If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1 Extinguishing media

5.1.1 Suitable extinguishing media:
Small fire: Quick-acting ABC powder extinguisher, Class A foam extinguisher, Water (quick-acting extinguisher, reel).
Major fire: Water, Class A foam.

5.1.2 Unsuitable extinguishing media:
Small fire: Quick-acting BC powder extinguisher, Quick-acting CO2 extinguisher.

5.2 Special hazards arising from the substance or mixture
On burning: release of silicon oxides, carbon monoxide - carbon dioxide.

5.3 Advice for firefighters

5.3.1 Instructions:
No specific fire-fighting instructions required.

5.3.2 Special protective equipment for fire-fighters:
Gloves. Protective clothing. Heat/fire exposure: compressed air/oxygen apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
No naked flames.

6.1.1 Protective equipment for non-emergency personnel
See heading 8.2

6.1.2 Protective equipment for emergency responders
Gloves. Protective clothing.

Suitable protective clothing
See heading 8.2

6.2 Environmental precautions
Contain released product. Use appropriate containment to avoid environmental contamination.

6.3 Methods and material for containment and cleaning up
Scoop solid spill into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

6.4 Reference to other sections
See heading 13.

SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

7.1 Precautions for safe handling
Keep away from naked flames/heat. Observe normal hygiene standards. Keep container tightly closed.

7.2 Conditions for safe storage, including any incompatibilities

7.2.1 Safe storage requirements:
Store in a dry area. Store at room temperature. Meet the legal requirements. Max. storage time: 1 year(s).

7.2.2 Keep away from:
Heat sources.

7.2.3 Suitable packaging material:
Plastics.

7.2.4 Non suitable packaging material:
No data available.

7.3 Specific end use(s)
If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.1.1 Occupational exposure

a) Occupational exposure limit values
If limit values are applicable and available these will be listed below.

b) National biological limit values
If limit values are applicable and available these will be listed below

8.1.2 Sampling methods
If applicable and available it will be listed below.

8.1.3 Applicable limit values when using the substance or mixture as intended
f limit values are applicable and available these will be listed below.

8.1.4 Threshold values

DNEL/DMEL - Workers

2-pentanone, O,O',O''-(methylsilylidyne)trioxime

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	0.229 mg/m³	
	Long-term systemic effects dermal	0.065 mg/kg bw/day	

DNEL/DMEL - General population

2-pentanone, O,O',O''-(methylsilylidyne)trioxime

Effect level (DNEL/DMEL)	Type	Value	Remark
DNEL	Long-term systemic effects inhalation	0.057 mg/m³	
	Long-term systemic effects dermal	0.033 mg/kg bw/day	
	Long-term systemic effects oral	0.033 mg/kg bw/day	

PNEC

2-pentanone, O,O',O''-(methylsilylidyne)trioxime

Compartiments	Value	Remark
Fresh water	0.1 mg/l	
Marine water	0.01 mg/l	
STP	2.15 mg/l	
Fresh water sediment	0.569 mg/kg sediment dw	
Marine water sediment	0.057 mg/kg sediment dw	
Soil	0.044 mg/kg soil dw	

8.1.5 Control banding

If applicable and available it will be listed below.

8.2 Exposure controls

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

8.2.1 Appropriate engineering controls

Keep away from naked flames/heat.

8.2.2 Individual protection measures, such as personal protective equipment

Observe normal hygiene standards. Do not eat, drink or smoke during work.

a) Respiratory protection:

Respiratory protection not required in normal conditions.

b) Hand protection:

Protective gloves against chemicals (EN374).

c) Eye protection:

Eye protection not required in normal conditions.

d) Skin protection:

Protective clothing.

8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical form	Paste
Odour	Characteristic odour
Odour threshold	No data available
Colour	Variable in colour, depending on the composition
Particle size	No data available
Explosion limits	No data available
Flammability	Non-flammable
Log Kow	Not applicable (mixture)
Dynamic viscosity	No data available
Kinematic viscosity	No data available
Melting point	No data available
Boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Relative vapour density	Not applicable

Vapour pressure	No data available
Solubility	No data available
Relative density	1.02 - 1.25
Decomposition temperature	No data available
Auto-ignition temperature	Not applicable
Flash point	Not applicable
Explosive properties	No chemical group associated with explosive properties
Oxidising properties	No chemical group associated with oxidising properties
pH	No data available

9.2 Other information

Absolute density	1020 kg/m³ - 1250 kg/m³

SECTION 10: Stability and reactivity

10.1 Reactivity
No data available.

10.2 Chemical stability
Stable under normal conditions.

10.3 Possibility of hazardous reactions
No data available.

10.4 Conditions to avoid
Precautionary measures
Keep away from naked flames/heat.

10.5 Incompatible materials
No data available.

10.6 Hazardous decomposition products
On burning: release of silicon oxides, carbon monoxide - carbon dioxide.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

11.1.1 Test results

Acute toxicity

Pacifyre® S
No (test)data on the mixture available
Judgement is based on the relevant ingredients

2-pentanone, O,O',O''-(methylsilylidyne)trioxime

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50	OECD 425	1234 mg/kg bw		Rat (f)	Experimental value	
Dermal	LD50	EU Method B.3	> 2000 mg/kg bw	24 h	Rat (m/f)	Experimental value	
Inhalation						Data waiving	

Conclusion
Not classified for acute toxicity

Corrosion/irritation

Pacifyre® S

No (test)data on the mixture available

Judgement is based on the relevant ingredients

2-pentanone, O,O',O''-(methylsilylidyne)trioxime

Route of exposure	Result	Method	Exposure time	Time point	Species	Value determination	Remark
Oral	Irritating	OECD 405		24; 48; 72 hours	Rabbit	Experimental value	Single treatment without rinsing

Conclusion

Not classified as irritating to the skin

Not classified as irritating to the eyes

Not classified as irritating to the respiratory system

Respiratory or skin sensitisation

Pacifyre® S

No (test)data on the mixture available

Judgement is based on the relevant ingredients

Conclusion

Not classified as sensitizing for skin

Not classified as sensitizing for inhalation

Specific target organ toxicity

Pacifyre® S

No (test)data on the mixture available

Judgement is based on the relevant ingredients

Conclusion

Not classified for subchronic toxicity

Mutagenicity (in vitro)

Pacifyre® S

No (test)data on the mixture available

Mutagenicity (in vivo)

Pacifyre® S

No (test)data on the mixture available

Judgement is based on the relevant ingredients

Conclusion

Not classified for mutagenic or genotoxic toxicity

Carcinogenicity

Pacifyre® S

No (test)data on the mixture available

Judgement is based on the relevant ingredients

Conclusion
Not classified for carcinogenicity

Reproductive toxicity

Pacifyre® S
No (test)data on the mixture available
Judgement is based on the relevant ingredients

Conclusion
Not classified for reprotoxic or developmental toxicity

Toxicity other effects

Pacifyre® S
No (test)data on the mixture available

Chronic effects from short and long-term exposure

Pacifyre® S
No effects known

SECTION 12: Ecological information

12.1 Toxicity

Pacifyre® S
No (test)data on the mixture available
Judgement is based on the relevant ingredients

2-pentanone, O,O',O''-(methylsilylidyne)trioxime

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	OECD 203	> 100 mg/l	96 u	Oncorhynchus mykiss	Static system	Fresh water	Experimental value; GLP
Acute toxicity crustacea	EC50	OECD 202	> 100 mg/l	48 u	Daphnia magna	Static system	Fresh water	Experimental value; GLP
Toxicity algae and other aquatic plants	ErC50	OECD 201	88 mg/l	72 u	Pseudokirchneriella subcapitata	Static system	Fresh water	Experimental value; GLP
	NOEC	OECD 201	32 mg/l					
Long-term toxicity fish								Data waiving
Long-term toxicity aquatic crustacea								Data waiving
Toxicity aquatic microorganisms	NOEC	OECD 301B	> 21.5 mg/l	28 day(s)	Activated sludge		Fresh water	Experimental value; GLP

Conclusion
Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008

12.2 Persistence and degradability

2-pentanone, O,O',O''-(methylsilylidyne)

Biodegradation water

Method	Value	Duration	Value determination
OECD 301B: CO2 Evolution Test	1 %; GLP	28 dag(en)	Experimental value

Half-life water (t1/2 water)

Method	Value	Primary degradation/mineralisation	Value determination
OECD 111: Hydrolysis as a function of pH	< 4 minutes; GLP		Experimental value

Conclusion

Contains non readily biodegradable component(s)

12.3 Bioaccumulative potential

Pacifyre® S

Log Kow

Method	Remark	Value	Temperature	Value determination
	Not applicable (mixture)			

2-pentanone, O,O',O''-(methylsilylidyne)trioxime

BCF fishes

Parameter	Method	Value	Duration	Species	Value determination
BCF	BCFBAF v3.01	103.3 l/kg			Calculated value

Log Kow

Method	Remark	Value	Temperature	Value determination
OECD 117		1.25	22 °C	Experimental value

Conclusion

No straightforward conclusion can be drawn based upon the available numerical values

12.4 Mobility in soil

2-pentanone, O,O',O''-(methylsilylidyne)trioxime

(log) Koc

Parameter	Method	Value	Value determination
log Koc	OECD 121	< 1.32	Experimental value

Conclusion

Contains component(s) with potential for mobility in the soil

12.5 Results of PBT and vPvB assessment

Due to insufficient data no statement can be made whether the component(s) fulfil(s) the criteria of PBT and vPvB according to Annex XIII of Regulation (EC) No 1907/2006.

12.6 Other adverse effects

Pacifyre® S

Fluorinated greenhouse gases (Regulation (EU) No 517/2014)

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014)

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

2-pentanone, O,O',O''-(methylsilylidyne)trioxime

Groundwater

Groundwater pollutant

SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

13.1 Waste treatment methods

13.1.1 Provisions relating to waste

European Union

Can be considered as non hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.

Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).

08 04 10 (wastes from MFSU of adhesives and sealants (including waterproofing products): waste adhesives and sealants other than those mentioned in 08 04 09). Depending on branch of industry and production process, also other waste codes may be applicable.

13.1.2 Disposal methods

Recycle/reuse. Remove waste in accordance with local and/or national regulations. Do not discharge into drains or the environment.

13.1.3 Packaging/Container

European Union

Waste material code packaging (Directive 2008/98/EC).

15 01 02 (plastic packaging).

SECTION 14: Transport information

Road (ADR), Rail (RID), Inland waterways (ADN), Sea (IMDG/IMSBC), Air (ICAO-TI/IATA-DGR)

14.1 UN number

Transport	Not subject

14.2 UN proper shipping name

14.3 Transport hazard class(es)

Hazard identification number	
Class	
Classification code	

14.4 Packing group

Packing group	
Labels	

14.5 Environmental hazards

Environmentally hazardous substance mark	No

14.6 Special precautions for user

Special provisions	
Limited quantities	

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Annex II of MARPOL 73/78	Not applicable, based on available data

SECTION 15: Regulatory information

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

European legislation:

VOC content Directive 2010/75/EU

VOS content	Remark
0.009062 % - 0.13593 %	
0.0924324 g/l - 1.699125 g/l	

National legislation Belgium

Pacifyre® S

No data available

National legislation The Netherlands

Pacifyre® S

Waterbezwaarlijkheid	Z (1); Algemene Beoordelingsmethodiek

National legislation France

Pacifyre® S

No data available

National legislation Germany

Pacifyre® S

WGK	1; Classification in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005 and Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV) of 18 April 2017

2-pentanone, O,O',O''-(methylsilylidyne)trioxime

TA-Luft	5.2.5

National legislation United Kingdom

Pacifyre® S

No data available

Other relevant data

Pacifyre® S

No data available

15.2. Chemical safety assessment

No chemical safety assessment has been conducted for the mixture.

SECTION 16: Other information

Full text of any H-statements referred to under heading 3:

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

(*)	INTERNAL CLASSIFICATION BY BIG
ADI	Acceptable daily intake
AOEL	Acceptable operator exposure level
CLP (EU-GHS)	Classification, labelling and packaging (Globally Harmonised System in Europe)
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
EC50	Effect Concentration 50 %

ErC50	EC50 in terms of reduction of growth rate
LC50	Lethal Concentration 50 %
LD50	Lethal Dose 50 %
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent, Bioaccumulative & Toxic
PNEC	Predicted No Effect Concentration
STP	Sludge Treatment Process
vPvB	very Persistent & very Bioaccumulative

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided and cannot be held liable for any changes by third parties. This safety data sheet has been elaborated for use within the European Union, Switzerland, Iceland, Norway and Lichtenstein. It may be consulted in other countries, where local legislation with regards to the set-up of safety data sheets will take precedence. It is your obligation to verify and apply such local legislation. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.

Created by: Brandweerinformatiecentrum voor gevaarlijke stoffen vzw (BIG)
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Publication date : 2018-12-07
Product number : 2180100020