

Revision Date: 08.02.2025 Date of last issue: 01.12.2024 Version 1.2

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

1.1 Product identifier

Trade name

: PCI Apogel[®] F Part B

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

Product use

: Concrete protection and repair system, Product is not intended for consumer use, For professional users only.

1.3 Details of the supplier of the safety data sheet

Company name of supplier	:	Sika Nederland B.V. Zonnebaan 56 3542 EG Utrecht Nederland
Telephone	:	+31-30-2410120
Telefax	:	+31-30-2414482
E-mail address of person responsible for the SDS	:	EHS@nl.sika.com

1.4 Emergency telephone number

+31-57-0854201

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)					
Acute toxicity, Category 4	H302: Harmful if swallowed.				
Skin corrosion, Sub-category 1A	H314: Causes severe skin burns and eye damage.				
Serious eye damage, Category 1	H318: Causes serious eye damage.				
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.				
Long-term (chronic) aquatic hazard, Cat- egory 2	H411: Toxic to aquatic life with long lasting effects.				

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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Hazard pictograms	:	A Participation of the second		
Signal word	:	Danger		
Hazard statements	:	H302 H314 H317 H411	Harmful if swallowed. Causes severe skin burns a May cause an allergic skin r Toxic to aquatic life with lon	reaction.
Precautionary statements	:	Prevention P273 P280	Avoid release to the en Wear protective gloves eye protection/ face pro	/ protective clothing/
		Response:		
		P303 + P36	1 + P353 IF ON SKIN (or h ately all contaminated o with water.	nair): Take off immedi- clothing. Rinse skin
		P304 + P34	0 + P310 IF INHALED: Re air and keep comfortab mediately call a POISC	ble for breathing. Im-
			1 + P338 + P310 IF IN EY with water for several r tact lenses, if present a tinue rinsing. Immediat CENTER/ doctor.	ES: Rinse cautiously ninutes. Remove con- and easy to do. Con-
		P391	Collect spillage.	

Hazardous components which must be listed on the label:

3-aminomethyl-3,5,5-trimethylcyclohexylamine 2-Propenenitrile, reaction products with 2,2,4(or 2,4,4)-trimethyl-1,6-hexanediamine 2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
3-aminomethyl-3,5,5- trimethylcyclohexylamine	2855-13-2 220-666-8 01-2119514687-32- XXXX	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 specific concentration limit Skin Sens. 1A; H317 >= 0,001 % Acute toxicity esti- mate Acute oral toxicity: 1.030 mg/kg	>= 40 - < 60
2-Propenenitrile, reaction prod- ucts with 2,2,4(or 2,4,4)-trimethyl- 1,6-hexanediamine	90530-20-4 292-059-6 01-2120773937-35- XXXX	Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Aquatic Chronic 2; H411	>= 25 - < 40
2,2,4(or 2,4,4)-trimethylhexane- 1,6-diamine	25513-64-8 247-063-2 01-2119560598-25- XXXX	Acute Tox. 4; H302 Skin Corr. 1A; H314 Eye Dam. 1; H318 Skin Sens. 1A; H317 Acute toxicity esti- mate Acute oral toxicity: 910 mg/kg	>= 10 - < 20

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice	: Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled	: Move to fresh air.

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	(Consult a physician after significant exp	oosure.
In case of skin contact		Take off contaminated clothing and sho Wash off with soap and plenty of water Immediate medical treatment is necess wounds from corrosion of the skin heal sy.	ary as untreated
In case of eye contact		Small amounts splashed into eyes can sue damage and blindness. In the case of contact with eyes, rinse in of water and seek medical advice. Continue rinsing eyes during transport to Remove contact lenses. Keep eye wide open while rinsing.	mmediately with plenty
If swallowed		Do not induce vomiting without medical Rinse mouth with water. Do not give milk or alcoholic beverages Never give anything by mouth to an und	5.
4.2 Most important sympton	ms and ef	fects, both acute and delayed	
Symptoms		Gastrointestinal discomfort Allergic reactions Dermatitis See Section 11 for more detailed inform and symptoms.	nation on health effects
Risks		Harmful if swallowed. May cause an allergic skin reaction. Causes serious eye damage. Causes severe burns.	
	,	Health injuries may be delayed.	
	(corrosive effects sensitising effects	
4.3 Indication of any immed	(eeded

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : In case of fire, use water/water spray/water jet/carbon dioxide/sand/foam/alcohol resistant foam/chemical powder for extinction.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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5.2 Special hazards arising from	the	e substance or mixture	
Specific hazards during fire- fighting	:	Do not allow run-off from fire fighting to enter dra courses.	ains or water
Hazardous combustion prod- ucts	:	No hazardous combustion products are known	
5.3 Advice for firefighters			
Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing	g apparatus.
Further information	:	Collect contaminated fire extinguishing water se must not be discharged into drains. Fire residues and contaminated fire extinguishin be disposed of in accordance with local regulation	g water must

SECTION 6: Accidental release measures

6.1 Personal precautions, protectiv	e equipment and emergency procedures
Personal precautions :	Use personal protective equipment. Deny access to unprotected persons.
6.2 Environmental precautions	
Environmental precautions :	Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.
6.3 Methods and material for conta	inment and cleaning up
Methods for cleaning up :	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling	:	Avoid exceeding the given occupational exposure limits (see section 8).
		Do not get in eyes, on skin, or on clothing.
		For personal protection see section 8.
		Persons with a history of skin sensitisation problems or asth-
		ma, allergies, chronic or recurrent respiratory disease should
		not be employed in any process in which this mixture is being

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		used. Smoking, eating and drinking should be prohi plication area. Follow standard hygiene measures when har products	
Advice on protection against fire and explosion	:	Normal measures for preventive fire protectio	n.
Hygiene measures	:	Handle in accordance with good industrial hyperactice. When using do not eat or drink. When smoke. Wash hands before breaks and at the	en using do not
7.2 Conditions for safe storage,	inc	luding any incompatibilities	
Requirements for storage areas and containers	:	Keep container tightly closed in a dry and we place. Containers which are opened must be sealed and kept upright to prevent leakage. S ance with local regulations.	carefully re-
Further information on stor- age stability	:	No decomposition if stored and applied as dir	rected.
7.3 Specific end use(s)			
Specific use(s)	:	Consult most current local Product Data Shee use.	et prior to any

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components CAS-No. Va	Value type (Form of exposure)	Control parame- ters *	Basis *
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Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Engineering measures

Maintain air concentrations below occupational exposure standards. Ensure adequate ventilation, especially in confined areas.

Personal protective equipm	ent	
Eye/face protection	: Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water Wear eye/face protection.	
Hand protection	: Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manu-	
ountry NI 00000720071		6



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	facturer specifications. Suitable for short time use or protection against s Butyl rubber/nitrile rubber gloves (> 0,1 mm) Contaminated gloves should be removed. Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min.	plashes:
Skin and body protection :	Protective clothing (e.g. Safety shoes acc. to EN long-sleeved working clothing, long trousers). Ru and protective boots are additionaly recommender and stirring work.	bber aprons
Respiratory protection :	No special measures required.	
Environmental exposure contr	ols	
General advice :	Do not flush into surface water or sanitary sewer If the product contaminates rivers and lakes or du respective authorities.	

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state Colour	:	liquid colourless
Odour	:	amine-like
Melting point/ range / Freez- ing point	:	No data available
Boiling point/boiling range	:	
Flammability (solid, gas)	:	No data available
Upper/lower flammability or e	•	
Upper explosion limit / Up- per flammability limit	:	No data avaliable
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	> 100 °C Method: closed cup

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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Auto-ignition temperature	:	No data available	
Decomposition temperature	:	No data available	
рН	:	ca. 11 (23 °C) Concentration: 100 %	
Viscosity Viscosity, dynamic	:	100 mPa.s	
Viscosity, kinematic	:	No data available	
Solubility(ies) Water solubility	:	partly miscible	
Partition coefficient: n- octanol/water	:	No data available	
Vapour pressure	:	0,04 hPa	
Density	:	ca. 0,9 g/cm3 (20 °C)	
Relative vapour density	:	No data available	
Particle characteristics	:	No data available	
9.2 Other information Explosives	:	Not explosive	

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

The product is chemically stable.

10.3 Possibility of hazardous reactions

Hazardous reactions : Stable under recommended storage conditions.





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10.4 Conditions to avoid Conditions to avoid	No data available		
10.5 Incompatible materials			
Materials to avoid	No data available		
10.6 Hazardous decomposition pr	ducts		
	No hazardous deo	composition products are	e known.
SECTION 11: Toxicological info	mation		
11.1 Information on hazard classe	as defined in Regu	ulation (EC) No 1272/20	008
Acute toxicity Harmful if swallowed.			
<u>Components:</u>			
3-aminomethyl-3,5,5-trimethy Acute oral toxicity	Acute toxicity estin	nate: 1.030 mg/kg icity estimate according	to Regulation (EC)
	LD50 Oral (Rat): 1	.030 mg/kg	
Acute inhalation toxicity	LC50 (Rat): > 5 mg Exposure time: 4 h Test atmosphere: 6	1	
Acute dermal toxicity	LD50 Dermal (Rab	obit): > 2.000 mg/kg	
	LD50 (Rabbit): > 2	.000 - 5.000 mg/kg	
2,2,4(or 2,4,4)-trimethylhexan	1,6-diamine:		
Acute oral toxicity	LD50 Oral (Rat): 9	10 mg/kg	
	Acute toxicity estin Method: Calculatio		
Skin corrosion/irritation			
Causes severe burns.			
Serious eye damage/eye irrita	on		

Causes serious eye damage.

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Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

Not classified due to lack of data.

Germ cell mutagenicity

Not classified due to lack of data.

Carcinogenicity

Not classified due to lack of data.

Reproductive toxicity

Not classified due to lack of data.

STOT - single exposure

Not classified due to lack of data.

STOT - repeated exposure

Not classified due to lack of data.

Aspiration toxicity

Not classified due to lack of data.

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: Ecological information

12.1 Toxicity

Components:

3-aminomethyl-3,5,5-trimethylcyclohexylamine:

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Toxicity to algae/aquatic plants	:	ErC50 (Desmodesmus subspicatus (green algae)): > 10 - 100 mg/l Exposure time: 72 h
		NOEC (Desmodesmus subspicatus (green algae)): 1.5 mg/l

Exposure time: 72 h

2,2,4(or 2,4,4)-trimethylhexane-1,6-diamine:

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Toxicity to algae/aquatic plants	EC50 (Scenedesmus capricornutum (fresh w mg/l Exposure time: 72 h	ater algae)): 29,5
Toxicity to fish (Chronic tox- icity)	LC50: 174 mg/l Exposure time: 48 h Species: Leuciscus idus (Golden orfe)	
12.2 Persistence and degradability No data available	,	
12.3 Bioaccumulative potential No data available		
12.4 Mobility in soil No data available		
12.5 Results of PBT and vPvB ass	essment	
Product: Assessment	This substance/mixture contains no compone to be either persistent, bioaccumulative and to very persistent and very bioaccumulative (vPr 0.1% or higher	oxic (PBT), or
12.6 Endocrine disrupting propert	es	
Product:		
Assessment	The substance/mixture does not contain com ered to have endocrine disrupting properties REACH Article 57(f) or Commission Delegate (EU) 2017/2100 or Commission Regulation (E levels of 0.1% or higher.	according to ed regulation
12.7 Other adverse effects		
Product: Additional ecological infor- mation	An environmental hazard cannot be excluded unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.	l in the event of
SECTION 13: Disposal conside	rations	
13.1 Waste treatment methods		
Product	The generation of waste should be avoided o wherever possible.	r minimized

wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way.



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Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: Transport information

14.1 UN number or ID number			
ADR	:	UN 2735	
IMDG	:	UN 2735	
ΙΑΤΑ	:	UN 2735	
14.2 UN proper shipping name			
ADR	:	AMINES, LIQUID, C((3-aminomethyl-3,5,5 ane-1,6-diamine)	ORROSIVE, N.O.S. 5-trimethylcyclohexylamine, trimethylhex-
IMDG	:	AMINES, LIQUID, CO (3-aminomethyl-3,5,5 ane-1,6-diamine)	ORROSIVE, N.O.S. 5-trimethylcyclohexylamine, trimethylhex-
ΙΑΤΑ	:	Amines, liquid, corros (3-aminomethyl-3,5,5 ane-1,6-diamine)	sive, n.o.s. 5-trimethylcyclohexylamine, trimethylhex-
14.3 Transport hazard class(es)			
		Class	Subsidiary risks
ADR	:	8	
IMDG	:	8	
ΙΑΤΑ	:	8	
14.4 Packing group			
ADR Packing group Classification Code Hazard Identification Number Labels Tunnel restriction code		II C7 80 8 (E)	
IMDG Packing group Labels EmS Code	:	II 8 F-A, S-B	

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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IATA (Cargo) Packing instruction (cargo aircraft) Packing instruction (LQ) Packing group Labels	:	855 Y840 II Corrosive		
IATA (Passenger) Packing instruction (passen- ger aircraft) Packing instruction (LQ) Packing group Labels	:	851 Y840 II Corrosive		
14.5 Environmental hazards ADR				
Environmentally hazardous	:	yes		
IMDG Marine pollutant	:	yes		
IATA (Passenger) Environmentally hazardous	:	yes		
IATA (Cargo) Environmentally hazardous 14.6 Special precautions for use	:	yes		

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

International Chemical Weapons Convention (CWC) : Not applicable Schedules of Toxic Chemicals and Precursors

REACH Information:

All substances contained in our Products are
- registered by our upstream suppliers, and/or
 registered by us, and/or

- excluded from the regulation, and/or
- exempted from the registration.

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered: Number on list 3

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Number on list 75

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	:	None of the components are listed (=> 0.1 %).
REACH - List of substances subject to authorisation (Annex XIV)	:	Not applicable
Regulation (EU) No 2024/590 on substances that deplete the ozone layer	:	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollu- tants (recast)	:	Not applicable
Regulation (EU) No 649/2012 of the European Parlia- ment and the Council concerning the export and import of dangerous chemicals	:	Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. E2 ENVIRONMENTAL HAZARDS

Volatile organic compounds	:	Law on the incentive tax for volatile organic compounds (VOCV) no VOC duties
		Directive 2010/75/EU of 24 November 2010 on industrial and livestock rearing emissions (integrated pollution prevention and control)

15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

Not applicable

SECTION 16: Other information

Full text of H-Statements

H302 :	Harmful if swallowed.
H314 :	Causes severe skin burns and eye damage.
H317 :	May cause an allergic skin reaction.
H318 :	Causes serious eye damage.

according to Regulation (EC) No. 1907/2006, as amended by Commission Regulation (EU) 2020/878

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H411	:	Toxic to aquatic life with long lasting effects.	
Full text of other abbrevia	tions		
Acute Tox.	:	Acute toxicity	
Aquatic Chronic	:	Long-term (chronic) aquatic hazard	
Eye Dam.	:	Serious eye damage	
Skin Corr.	:	Skin corrosion	
Skin Sens.	:	Skin sensitisation	
ADR	:	European Agreement concerning the International Carriage of	
		Dangerous Goods by Road	-
CAS	:	Chemical Abstracts Service	
DNEL	:	Derived no-effect level	
EC50	:	Half maximal effective concentration	
GHS	:	Globally Harmonized System	
IATA	:	International Air Transport Association	
IMDG	:	International Maritime Code for Dangerous Go	
LD50	:	Median lethal dosis (the amount of a material,	
		once, which causes the death of 50% (one halt test animals)	f) of a group of
LC50	:	Median lethal concentration (concentrations of	the chemical in
		air that kills 50% of the test animals during the	observation
		period)	
MARPOL	:	International Convention for the Prevention of	Pollution from
		Ships, 1973 as modified by the Protocol of 197	'8
OEL	:	Occupational Exposure Limit	
PBT	:	Persistent, bioaccumulative and toxic	
PNEC	:	Predicted no effect concentration	
REACH	:	Regulation (EC) No 1907/2006 of the Europea	n Parliament
		and of the Council of 18 December 2006 conce	
		istration, Evaluation, Authorisation and Restric	
		cals (REACH), establishing a European Chem	icals Agency
SVHC	:	Substances of Very High Concern	

: Very persistent and very bioaccumulative

Further information

vPvB

Classification of the mixture:	
H302	Calculation method
H314	Calculation method
H318	Calculation method
H317	Calculation method
H411	Calculation method
	H302 H314 H318 H317

The information contained in this Safety Data Sheet corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the product data sheet prior to any use and processing.



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Changes as compared to previous version !

NL / EN



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