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

1.1 Product identifier

Trade name

: SikaTop[®] Armatec[®]-110 EpoCem[®] Part C

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

Product use : Cement / Mortar

1.3 Details of the supplier of the safety data sheet

Company name of supplier	: Sika Poland Spółka z o.o.
	Karczunkowska 89
	02-871 Warszawa
Telephone	: +48 22 27 28 700
Telefax	: +48 22 27 28 800
E-mail address of person	: EHS@pl.sika.com
responsible for the SDS	-

1.4 Emergency telephone number

112

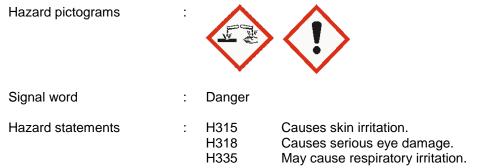
SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)				
Skin irritation, Category 2	H315: Causes skin irritation.			
Serious eye damage, Category 1	H318: Causes serious eye damage.			
Specific target organ toxicity - single exposure, Category 3, Respiratory system	H335: May cause respiratory irritation.			

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)





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Precautionary statements	: Prevention: P261 P264 P280	Avoid breathing dust. Wash skin thoroughly after ha Wear protective gloves/ eye p	

protection.

Response:

P304 + P340 + F	P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.
P305 + P351 + F	P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove con- tact lenses, if present and easy to do. Con- tinue rinsing. Immediately call a POISON CENTER/ doctor.
Storage:	
P403 + P233	Store in a well-ventilated place. Keep con- tainer tightly closed.

Hazardous components which must be listed on the label:

Cement (chromium reduced)

2.3 Other hazards

The content of soluble Chromium (VI) is not greater than 0,0002% in accordance with Annex XVII, Paragraph 47 of the EU Regulation 1907/2006. The product reacts highly alkaline with water.

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

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Chemical name	CAS-No.	Classification	Concentration
	EC-No.		(% w/w)
	Registration number		
Cement (chromium reduced)	65997-15-1	Skin Irrit. 2; H315	>= 25 - < 40
	266-043-4	Eye Dam. 1; H318	
		STOT SE 3; H335	
		(Respiratory system)	
Substances with a workplace expo	sure limit :		
Quartz (SiO2)	14808-60-7		>= 40 - < 60
	238-878-4		

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Ge	neral advice	:	Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.
lf ir	nhaled	:	Move to fresh air. Consult a physician after significant exposure.
In (case of skin contact	:	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, call a physician.
In o	case of eye contact	:	Small amounts splashed into eyes can cause irreversible tis- sue damage and blindness. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Continue rinsing eyes during transport to hospital. Remove contact lenses. Keep eye wide open while rinsing.
lf s	wallowed	:	Do not induce vomiting without medical advice. Rinse mouth with water. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person.
4.2 Mos	st important symptoms an	d e	ffects, both acute and delayed
Sy	mptoms	:	Cough Respiratory disorder

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	Excessive lachrymation Erythema Dermatitis See Section 11 for more detailed information of and symptoms.	on health effects			
Risks :	irritant effects				
	Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.				
4.3 Indication of any immediate med	dical attention and special treatment needed				
Treatment :	Treat symptomatically.				
SECTION 5: Firefighting measures					
5.1 Extinguishing media					
Suitable extinguishing media :	In case of fire, use water/water spray/water jet, ide/sand/foam/alcohol resistant foam/chemical extinction.				
5.2 Special hazards arising from the	e substance or mixture				
Hazardous combustion prod- : ucts	No hazardous combustion products are known	I			
5.3 Advice for firefighters					
_	In the event of fire, wear self-contained breathing	ng apparatus.			
Further information :	Standard procedure for chemical fires.				
SECTION 6: Accidental release measures					
6.1 Personal precautions, protective	e equipment and emergency procedures				
Personal precautions :	Use personal protective equipment. Avoid breathing dust. Deny access to unprotected persons.				

6.2 Environmental precautions

Environmental precautions	:	Try to prevent the material from entering drains or water
		courses.
		No special environmental precautions required.

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

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6.3 Methods and material for containment and cleaning up

Methods for cleaning up

: Pick up and arrange disposal without creating dust. 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		Do not breathe vapours/dust. 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. Smoking, eating and drinking should be prohibited in the ap- plication area. Follow standard hygiene measures when handling chemical products
	Advice on protection against fire and explosion	:	Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.
	Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.
7.2	Conditions for safe storage, in	nclu	uding any incompatibilities
	Requirements for storage areas and containers	:	Store in original container. Keep in a well-ventilated place. Observe label precautions. Store in accordance with local regulations.
	Further information on stor- age stability	:	Keep in a dry place. No decomposition if stored and applied as directed.
7.3	Specific end use(s)		
	Specific use(s)	:	Consult most current local Product Data Sheet prior to any use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

CAS-No. Value type (Form Control parame- Basis *

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		of exposure)	ters *	
Quartz (SiO2)	14808-60-7	NDS (respirable fraction)	1 mg/m3	PL OEL
		nation: Respirable fr		
		he deposit in the are with standard PN-	0 0	e, determined
		NDS (inhalable fraction)	2 mg/m3	PL OEL
	Further information: Inhalable fraction - the fraction of aerosol penetrating through the nose and mouth, which after deposit ir the respiratory tract poses a threat to health, determined in ac- cordance with standard PN-EN 481.			er deposit in
		NDS (respirable fraction)	0,1 mg/m3 (Silica)	PL OEL
Cement (chromium reduced)	65997-15-1	NDS (inhalable fraction)	6 mg/m3	PL OEL
		NDS (respirable fraction)	2 mg/m3	PL OEL

*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

8.2 Exposure controls

Engineering measures

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

Personal protective equipment				
Eye/face protection	:	Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water		
Hand protection	:	Chemical-resistant, impervious gloves complying with an ap- proved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manu- facturer specifications.		
		Recommended: Butyl rubber/nitrile rubber gloves. Contaminated gloves should be removed.		
Skin and body protection	:	Dust impervious protective suit Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionaly recommended for mixing and stirring work.		
Respiratory protection	:	In case of inadequate ventilation wear respiratory protection. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe work- ing limits of the selected respirator. particulate filter P P1: Inert material; P2, P3: hazardous substances Ensure adequate ventilation. This can be achieved by local		



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exhaust extraction or by general ventilation. (EN 689 - Methods for determining inhalation exposure). This applies in particular to the mixing / stirring area. In case this is not sufficent to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.

Environmental expos	ure controls
General advice	 Try to prevent the material from entering drains or water courses. No special environmental precautions required.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

information on basic physica		i de
Physical state	: solid	
Appearance Colour	: powder	
Colodi	: grey	
Odour	: odourless	
Melting point/ range / Freez- ing point	: No data available	•
Boiling point/boiling range	: No data available	;
Flammability (solid, gas)	: No data available	;
Upper/lower flammability or	explosive limits	
Upper explosion limit / Up- per flammability limit	: No data available)
Lower explosion limit / Lower flammability limit	: No data available)
Flash point	: Not applicable	
Auto-ignition temperature	: No data available	÷
Decomposition temperature	: No data available	÷
рН	: > 11 Concentration: 50) %

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Viscosity Viscosity, kinematic	:	No data available	
Solubility(ies) Water solubility	:	insoluble	
Partition coefficient: n- octanol/water	:	No data available	
Vapour pressure	:	Not applicable	
Density	:	No data available	
Bulk density	:	ca. 1.200 kg/m3	
Relative vapour density	:	No data available	
Particle characteristics	:	No data available	
9.2 Other information No data available			

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 : No hazards to be specially mentioned.

10.4 Conditions to avoid

Conditions to avoid : No data available

10.5 Incompatible materials

Materials to avoid : No c	lata available
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10.6 Hazardous decomposition products

No hazardous decomposition products are known.

SECTION 11: Toxicological information

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

Acute toxicity

Not classified due to lack of data.

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitisation

Skin sensitisation

Not classified due to lack of data.

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

May cause respiratory irritation.

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.

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SECTION 12: Ecological information

12.1 Toxicity

No data available

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 assessment

Product:

Assessment

: 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..

12.6 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.
		levels of 0.1% or higher.

12.7 Other adverse effects

Product:

Additional ecological infor- : There is no data available for this product. mation

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	 The generation of waste should be avoided or 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.
	Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

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		Disposal of this product, solutions and any b at all times comply with the requirements of protection and waste disposal legislation and local authority requirements. Avoid dispersal of spilled material and runof soil, waterways, drains and sewers.	environmental d any regional
European Waste Catalogue	:	16 03 03* inorganic wastes containing dang	gerous substances
Contaminated packaging	:	15 01 10* packaging containing residues of by dangerous substances	or contaminated

SECTION 14: Transport information

14.1 UN number or ID number

ADR	:	Not regulated as a dangerous good		
IMDG	:	Not regulated as a dangerous good		
ΙΑΤΑ	:	Not regulated as a dangerous good		
14.2 UN proper shipping name				
ADR	:	Not regulated as a dangerous good		
IMDG	:	Not regulated as a dangerous good		
ΙΑΤΑ	:	Not regulated as a dangerous good		
14.3 Transport hazard class(es)				
ADR	:	Not regulated as a dangerous good		
IMDG	:	Not regulated as a dangerous good		
ΙΑΤΑ	:	Not regulated as a dangerous good		
14.4 Packing group				
ADR	:	Not regulated as a dangerous good		
IMDG	:	Not regulated as a dangerous good		
IATA (Cargo)	:	Not regulated as a dangerous good		
IATA (Passenger)	:	Not regulated as a dangerous good		
14.5 Environmental hazards				
Not regulated as a dangerous good				

14.6 Special precautions for user

Not applicable

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

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SECTION 15: Regulatory information

15.1 Safety, health and environmer International Chemical Weapons Schedules of Toxic Chemicals a	Convention (CWC)		specific for the substance or mixture Not applicable	
REACH Information:	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 : Not applicable the market and use of certain dangerous substances, mixtures and articles (Annex XVII)				
REACH - Candidate List of Subs Concern for Authorisation (Article	None of the components are listed (=> 0.1 %).			
REACH - List of substances sub (Annex XIV)	REACH - List of substances subject to authorisation (Annex XIV)			
Regulation (EC) on substances t layer	Not applicable			
Regulation (EU) 2019/1021 on persistent organic pollu- : Not applicable tants (recast)				
Regulation (EU) No 649/2012 of the European Parlia- : Not applicable ment and the Council concerning the export and import of dangerous chemicals				
Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. Not applicable				
Volatile organic compounds :	Law on the incentive ta (VOCV) no VOC duties	ax fo	or volatile organic compounds	
	emissions (integrated	poll	4 November 2010 on industrial ution prevention and control) ds (VOC) content: < 0,01% w/w	



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Other regulations:

Act of February 25, 2011 on chemical substances and their mixtures (i.e. Journal of Laws of 2020, item 2289)

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Official Journal of the European Union L 353 from 31.12.2008) with further adaptation to technical progress (ATP).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/105/EC and 2000/21/EC (Official Journal of the European Union L 396 from 30.12.2006, as amended).

Commission Regulation (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Ordinance of the Minister of Family, Labour and Social Policy of 12 June 2018 concerning the highest allowable concentrations and levels of the agents harmful for health in the workplace (Dz.U 2018 pos 1286, with later amendments).

Ordinance of the Minister of Health of 2nd February 2011 concerning tests and measurement of agents harmful for health in the workplace (Dz. U. Nr. 33, item 166 with later amendments).

Ordinance of the Minister of Health of 30th December 2004 on the health and safety of workers related to chemical agents at work (consolidated text, Journal of Laws 2016 no. 0 item 1488)

Act of 14 December 2012. on Waste (Journal of Laws of 2013. pos. 21, as amended).

Act of 13 June 2013. On packaging and packaging waste (Journal. U. of 2013. Item. 888, as amended).

Ordinance of the Minister of Climate of 2nd January 2020 on Waste Catalog (Dz. U. 2020 item 10).

Ordinance of the Minister of Environment on the requirements for carrying out the process of thermal treatment of waste and how to deal with waste produced in the process. (Dz. U. of 2016., Pos. 108)

Act of 19 August 2011 on transport of dangerous goods (Dz. U. Nr. 227, item 1367, as amended).

Government Statement of February 15, 2021 on the entry into force of amendments to Annexes A and B to Agreement concerning the International Carriage of Dangerous Goods by Road (ADR), drawn up in Geneva on September 30, 1957 (Journal of Laws 202 poz.874 as amended)



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Act of July 29, 2005 on drug addiction prevention (Journal of Laws of 2005, No. 179, item 1485, with later amendments)

Regulation (EU) 2016/425 of the European Parliament and of the Council of 9 March 2016 on personal protective equipment and repealing Council Directive 89/686/EEC

15.2 Chemical safety assessment

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

SECTION 16: Other information

Full text of H-Statements		
H315	:	Causes skin irritation.
H318	:	Causes serious eye damage.
H335	:	May cause respiratory irritation.
Full text of other abbreviation	ons	
Eye Dam.	:	Serious eye damage
Skin Irrit.	:	Skin irritation
STOT SE	:	Specific target organ toxicity - single exposure
PL OEL	:	Ordinance of the Minister of Family, Labour and Social Policy
		of 12 June 2018 concerning the highest allowable concentra-
		tions and levels of the agents harmful for health in the work-
		place (Dz.U 2018 pos 1286, with later amendments)
PL OEL / NDS	:	Maximal Admissible Concentration
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 Goods
LD50	:	Median lethal dosis (the amount of a material, given all at
		once, which causes the death of 50% (one half) of a group of
		test animals)
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 1978
OEL	:	Occupational Exposure Limit
PBT	:	Persistent, bioaccumulative and toxic
PNEC	÷	Predicted no effect concentration
REACH	:	Regulation (EC) No 1907/2006 of the European Parliament
		and of the Council of 18 December 2006 concerning the Reg-
		istration, Evaluation, Authorisation and Restriction of Chemi-
		cals (REACH), establishing a European Chemicals Agency

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SVHC vPvB	Substances of Very High ConcernVery persistent and very bioaccumulative	

Further information

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Classification of the mixture:		Classification procedure:
Skin Irrit. 2	H315	Calculation method
Eye Dam. 1	H318	Calculation method
STOT SE 3	H335	Calculation method

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.

Changes as compared to previous version !

PL/EN