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

1.1 Product identifier

Trade name

Sika MonoTop®-3400 Abraroc

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

Product use : Mortar

1.3 Details of the supplier of the safety data sheet

Company name of supplier	:	Sika Limited
		Watchmead Welwyn Garden City
		Hertfordshire. AL7 1BQ
Telephone	:	+44 (0)1707 394444
Telefax	:	+44 (0)1707 329129
E-mail address of person	:	EHS@uk.sika.com
responsible for the SDS		C

1.4 Emergency telephone number

National Chemical Emergency Centre (NCEC) 24 Hour Emergency Telephone Number +44 870 190 6777

SECTION 2: Hazards identification

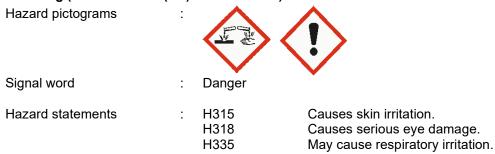
2.1 Classification of the substance or mixture

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 ex-	H335: May cause respiratory irritation.
posure, Category 3, Respiratory system	

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

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

ntration w/w) - < 40
,
- < 40
- < 40
10
5 - < 5
- < 2,5

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. 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 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.
If swallowed	:	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.



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4.2 Most important symptoms and effects, both acute and delayed

4.2 Wost important symptoms a	iu e	enects, both acute and delayed		
Symptoms	:	Cough Respiratory disorder Excessive lachrymation Erythema Dermatitis See Section 11 for more detailed information on health effects and symptoms.		
Risks	:	irritant effects		
		Causes skin irritation. Causes serious eye damage. May cause respiratory irritation.		
4.3 Indication of any immediate medical 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/carbon diox- ide/sand/foam/alcohol resistant foam/chemical powder for		

5.2 Special hazards arising from the substance or mixture

Hazardous combustion prod- : No hazardous combustion products are known ucts

extinction.

5.3 Advice for firefighters

Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.
Further information	:	Standard procedure for chemical fires.

SECTION 6: Accidental release measures

Personal precautions	:	Use personal protective equipment. Avoid breathing dust.
		Deny access to unprotected persons.
		Deny decese to anprotected percenter



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6.2 Environmental precautions Environmental precautions	: Try to prevent the material from entering dra	ains or water		
	courses. No special environmental precautions required.			
6.3 Methods and material for containment and cleaning up				
Methods for cleaning up	: Pick up and arrange disposal without creatir	ng 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, i	incl	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.



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parame- ters *	Basis *
Cement (chromium reduced)	65997-15-1	TWA (inhalable dust)	10 mg/m3	GB EH40
		TWÁ (Respirable dust)	4 mg/m3	GB EH40
Limestone	1317-65-3	TWÁ (inhalable dust)	10 mg/m3	GB EH40
	dust and inhal will be collected the methods d pling and grav aerosols., The health includes in air equal to dust or 4 mg.n any dust will b above these le WELs and exp limits., Most in sizes. The beh after entry into sponse that it HSE distinguis termed 'inhala the fraction of during breathin respiratory tra- penetrates to t tions and expl dusts contain of the relevant lin short-term exp term exposure	ation: For the purpo able dust are those ad when sampling is escribed in MDHS1 imetric analysis or r COSHH definition s dust of any kind w or greater than 10 m n-3 8-hour TWA of r e subject to COSH evels. Some dusts h posure to these mus dustrial dusts contanaviour, deposition a the human respirate elicits, depend on the shes two size fraction ble' and 'respirable' airborne material the ng and is therefore a ct. Respirable dust a the gas exchange re anatory material are components that has nits should be use TWA (Respirable dust)	fractions of airbor undertaken in ac 4/4 General meth espirable, thoracid of a substance ha hen present at a o ng.m-3 8-hour TW espirable dust. Th if people are exp ave been assigne at comply with the in particles of a w and fate of any pa tory system, and t he nature and size ons for limit-setting ., Inhalable dust a at enters the nose available for depo- approximates to the egion of the lung. I e given in MDHS14 ve their own assigned blied with., Where a figure three tim d. 4 mg/m3	ne dust which cordance with ods for sam- c and inhalable zardous to concentration /A of inhalable his means that oosed to dust d specific appropriate ide range of rticular particle he body re- of the particle. purposes pproximates to and mouth sition in the he fraction that Fuller defini- 4/4., Where gned WEL, all no specific es the long-
Fumes, silica	69012-64-2	TWA (inhalable dust)	6 mg/m3 (Silica)	GB EH40
	dust and inhal will be collecte the methods d pling and grav aerosols., The	ation: For the purpo able dust are those ed when sampling is escribed in MDHS1 imetric analysis or r COSHH definition s dust of any kind w	fractions of airbor undertaken in ac 4/4 General meth espirable, thoracio of a substance ha	ne dust which cordance with ods for sam- c and inhalable zardous to



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	in air equal to or grea dust or 4 mg.m-3 8-h any dust will be subj above these levels. S WELs and exposure limits., Most industria sizes. The behaviour after entry into the hi sponse that it elicits, HSE distinguishes tw termed 'inhalable' and the fraction of airborn during breathing and respiratory tract. Res penetrates to the gas tions and explanator dusts contain compo the relevant limits sh short-term exposure term exposure limit s	nour TWA of r ect to COSH Some dusts h to these mus al dusts conta r, deposition a uman respirat depend on th wo size fraction d 'respirable'. ne material th d is therefore a spirable dust a s exchange re y material are onents that ha nould be comp limit is listed, should be use	espirable dust. The dif people are exp ave been assigned t comply with the in particles of a with and fate of any part cory system, and the nature and size ans for limit-setting at enters the nose available for depose approximates to the egion of the lung. If given in MDHS14 ve their own assignated blied with., Where a figure three time d.	his means that bosed to dust d specific appropriate ide range of rticular particle he body re- of the particle. purposes pproximates to a and mouth sition in the he fraction that Fuller defini- 4/4., Where gned WEL, all no specific es the long-
*The chave mentioned values are in a	dust)		2,4 mg/m3 (Silica)	GB EH40

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

general dust value

Form of exposure	Peak-limit: excursion factor (category)	Value type	Control parame- ters	Basis
Inhalable		TWA	10 mg/m3	GB EH40
Respirable fraction		TWA	4 mg/m3	GB EH40

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 Hand protection		Safety glasses with side-shields conforming to EN166 Eye wash bottle with pure water 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



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Respiratory protection :	and protective boots are additionaly recommend and stirring work. In case of inadequate ventilation wear respirator Respirator selection must be based on known or exposure levels, the hazards of the product and ing limits of the selected respirator. particulate filter P P1: Inert material; P2, P3: hazardous substances Ensure adequate ventilation. This can be achieve exhaust extraction or by general ventilation. (EN ods for determining inhalation exposure). This ap ticular to the mixing / stirring area. In case this is to keep the concentrations under the occupation limits then respiration protection measures must	y protection. anticipated the safe work- ed by local 689 - Meth- oplies in par- not sufficent al exposure
Environmental exposure contro	bls	
General advice :	Try to prevent the material from entering drains of courses. No special environmental precautions required.	or water

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state Appearance Colour Odour	: : :	solid powder grey odourless
Melting point/range / Freezing point	:	No data available
Boiling point/boiling range	:	No data available
Flammability (solid, gas)	:	No data available
Upper/lower flammability or e Upper explosion limit / Up- per flammability limit	-	
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 (20 °C)



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	Concentration: 500 g/l substance/mixture is non-soluble (in water)	
Viscosity Viscosity, kinematic :	> 7 mm2/s (40 °C)	
Solubility(ies) Water solubility :	insoluble	
Partition coefficient: n- : octanol/water	No data available	
Vapour pressure :	No data available	
Density :	1,8 g/cm3 (20 °C)	
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

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Hazardous reactions : No hazards to be specially mentioned.
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10.4 Conditions to avoid

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.



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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.

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.

 Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental



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	protection and waste disposal legislation local authority requirements. Avoid dispersal of spilled material and re soil, waterways, drains and sewers.	
European Waste Catalogue	: 17 01 01 concrete	

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 environmental regulations/legislation specific for the substance or mixture

Relevant EU provisions transposed through retained EU law

UK REACH List of restrictions (Annex 17)	: Not applicable		
UK REACH Candidate list of substances of very high concern (SVHC) for Authorisation	: Not applicable		
The Persistent Organic Pollutants Regulations (retained Regulation (EU) 2019/1021 as amended for Great Britain)	: Not applicable		
International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors	: Not applicable		
Regulation (EC) No 1005/2009 on substances that de- plete the ozone layer	: Not applicable		
UK REACH List of substances subject to authorisation (Annex XIV)	: Not applicable		
GB Export and import of hazardous chemicals - Prior : Not applicable Informed Consent (PIC) Regulation			
Control of Major Accident Hazards Regulations 2015 (COMAH)	Not applicable		
	tax for volatile organic compounds		

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection.

Health, safety and environ-	:	Environmental Protection Act 1990 & Subsidiary Regulations
mental regulation/legislation		Health and Safety at Work Act 1974 & Subsidiary Regulations
specific for the substance or		Control of Substances Hazardous to Health Regulations
mixture:		(COSHH)
		May be subject to the Control of Major Accident Hazards
		Regulations (COMAH), and amendments.

Other regulations:

15.2 Chemical safety assessment

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



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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 abbreviations					
Eye Dam.		Serious eye damage			
Skin Irrit.	:	Skin irritation			
STOT SE	:	Specific target organ toxicity - single exposure			
GB EH40	:	UK. EH40 WEL - Workplace Exposure Limits			
GB EH40 / TWA	:	Long-term exposure limit (8-hour TWA reference period)			
ADR	:	European Agreement concerning the International Carriage of			
ADIN	•	Dangerous Goods by Road			
CAS	:	Chemical Abstracts Service			
DNEL	:	Derived no-effect level			
EC50	:	Half maximal effective concentration			
GHS	:	Globally Harmonized System			
ΙΑΤΑ	:	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			
SVHC	:	Substances of Very High Concern			
vPvB	:	Very persistent and very bioaccumulative			
Further information					

Further information

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



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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 !

GB / EN