



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

1.1 Product identifier

Trade name

: Icosit[®] KC 340/7 Part B

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

At present there is no complete information available on identified uses. When the data becomes available, it will be integrated into the safety data sheet.

Product use : Polyurethane coating.

1.3 Details of the supplier of the safety data sheet

Company	: Sika Deutschland GmbH Kornwestheimer Str. 103-107 70439 Stuttgart
Telephone	: +4971180090
E-mail address	: EHS@de.sika.com

1.4 Emergency telephone number

Emergency telephone num-	: 0173-6774799 Out of office hours only
ber	EHS@de.sika.com

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Type of product : Mixture

Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4 Skin irritation, Category 2	H332: Harmful if inhaled. H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Respiratory sensitisation, Category 1	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitisation, Category 1	H317: May cause an allergic skin reaction.
Carcinogenicity, Category 2	H351: Suspected of causing cancer.
Specific target organ toxicity - single ex- posure, Category 3, Respiratory system	H335: May cause respiratory irritation.
Specific target organ toxicity - repeated exposure, Category 2	H373: May cause damage to organs through pro- longed or repeated exposure.
Classification (67/548/EEC, 1999/45/EC)	
Harmful	R20: Harmful by inhalation.
	R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.





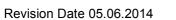
Carcinogenic Category 3			R40: Limited evidence of a carcinogenic effect.
Sensitising			R42/43: May cause sensitisation by inhalation and skin contact.
Irritant			R36/37/38: Irritating to eyes, respiratory system and skin.
2.2 Label elements			
Labelling (REGULATION (EC)	No 1272/20	08)
Hazard pictograms	:		
Signal word	:	Danger	•
Hazard statements	:	H315 H317 H319 H332 H334 H335 H351 H373	Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through pro- longed or repeated exposure.
Precautionary statements	:	Preventio P201 P260 P280 P281 Response P308 + P3 P333 + P3	Obtain special instructions before use. Do not breathe dust/ fume/ gas/ mist/ va- pours/ spray. Wear protective gloves/ eye protection/ face protection. Use personal protective equipment as re- quired. If exposed or concerned: Get medical ad- vice/ attention.

Hazardous components which must be listed on the label:

618-498-9
 500-415-1
 Diphenylmethanediisocyanate, isomeres and homologues
 4,4'-Methylenediphenyl diisocyanate, oligomeric reaction products with butane-1,3-diol, 2,4'-diisocyanatodiphenylmethane, 2,2'-oxydiethanol and propane-1,2-diol

Additional Labelling:

Contains isocyanates. May produce an allergic reaction.





2.3 Other hazards

This mixture contains no substance considered to be persistent, bioaccumulating nor toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical Name CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Diphenylmethanediisocyanate, iso- meres and homologues 9016-87-9 618-498-9	Carc.Cat.3; R40 Xn; R20-R48/20 Xi; R36/37/38 R42/43	Acute Tox.4; H332 Skin Irrit.2; H315 Eye Irrit.2; H319 Resp. Sens.1; H334 Skin Sens.1; H317 Carc.2; H351 STOT SE3; H335 STOT RE2; H373	>= 50 - <= 100
4,4'-Methylenediphenyl diisocyanate, oligomeric reaction products with bu- tane-1,3-diol, 2,4'- diisocyanatodiphenylmethane, 2,2'- oxydiethanol and propane-1,2-diol 158885-29-1 500-415-1 01-2119480402-45-XXXX	Carc.Cat.3; R40 Xi; R36/37/38 Xn; R20-R48/20 R42/43	Acute Tox.4; H332 Skin Irrit.2; H315 Eye Irrit.2; H319 Resp. Sens.1; H334 Skin Sens.1; H317 Carc.2; H351 STOT SE3; H335 STOT RE2; H373	>= 50 - <= 100

For the full text of the R-phrases mentioned in this Section, see Section 16. For the full text of the H-Statements mentioned in this Section, 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	: Immediately flush eye(s) with plenty of water.
Country DE 00000043403	



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If swallowed	 Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist. Clean mouth with water and drink afterwards plenty of water. Induce vomiting immediately and call a physician. Do not give milk or alcoholic beverages.
	Never give anything by mouth to an unconscious person.
4.2 Most important symptoms a	and effects, both acute and delayed
Symptoms	 Asthmatic appearance Cough Respiratory disorder Allergic reactions Excessive lachrymation Erythema Headache Dermatitis See Section 11 for more detailed information on health effects and symptoms.
Risks	: irritant effects sensitising effects
4.3 Indication of any immediate	e medical attention and special treatment needed
Treatment	: Treat symptomatically.
SECTION 5: Firefighting mea	asures
5.1 Extinguishing media	
Suitable extinguishing media	 Use extinguishing measures that are appropriate to local cir- cumstances and the surrounding environment.
5.2 Special hazards arising from	n the substance or mixture
Hazardous combustion prod- ucts	- : No hazardous combustion products are known
5.3 Advice for firefighters	
Special protective equipmen	t : In the event of fire, wear self-contained breathing apparatus.

for firefighters

Further information : Standard procedure for chemical fires.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.	onal precautions	Pers
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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 materials for containment 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

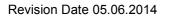
7.1 Precautions for safe handling

Advice on safe handling :	Avoid formation of aerosol. Avoid exceeding of the given oc- cupational 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 used. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or ex- haust in work rooms. Follow standard hygiene measures when handling chemical products
Advice on protection against : fire and explosion	Normal measures for preventive fire protection.
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.
Conditions for safe storage, inc	luding any incompatibilities
Requirements for storage : areas and containers	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully re- sealed and kept upright to prevent leakage. Store in accord- ance with local regulations.

Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

7.2





Specific use(s)

: No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

Components	CAS-No.	Value	Control parame- ters *	Basis *
Diphenylmethanediisocyanate, isomeres and homologues	9016-87-9	AGW	0,05 mg/m3	DE TRGS 900

*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

Personal protective equipment

Eye protection	:	Safety glasses with side-shields 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.
		Suitable for short time use or protection against splashes: Butyl rubber/nitrile rubber gloves (0,4 mm), Contaminated gloves should be removed. Suitable for permanent exposure: Viton gloves (0.4 mm), breakthrough time >30 min.
Skin and body protection	:	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	:	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. Use a properly fitted NIOSH approved air-purifying or air-fed respirator complying with an approved standard if a risk as- sessment indicates this is necessary. organic vapor filter (Type A)





A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm Ensure adequate ventilation. This can be achieved by local 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 sufficient to keep the concentrations under the occupational exposure limits then respiration protection measures must be used.

Ensure adequate ventilation, especially in confined areas.

Environmental exposure controls

General advice	: Do not flush into surface water or sanitary sewer system.
	If the product contaminates rivers and lakes or drains inform
	respective authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	:	liquid
Colour	:	brown
Odour	:	characteristic
Odour Threshold	:	No data available
Flash point	:	101 °C
Ignition temperature	:	not applicable
Lower explosion limit (Vol%)	:	No data available
Upper explosion limit (Vol%)	:	No data available
Flammability (solid, gas)	:	No data available
Oxidizing properties	:	No data available
Auto-ignition temperature	:	No data available
рН	:	No data available
Melting point/range / Freez- ing point	:	No data available
Boiling point/boiling range	:	No data available
Vapour pressure	:	No data available
Density	:	ca.1,2 g/cm3 at 20 °C

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Water solubility	:	Note: insoluble
Partition coefficient: n- octanol/water	:	No data available
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	> 7 mm2/s at 40 °C
Relative vapour density	:	No data available
Evaporation rate	:	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	:	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 products

SECTION 11: Toxicological information

11.1 Information on toxicological effects

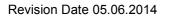
Acute toxicity

Components:

Diphenylmethanediisocyana	ate, isomeres and homologues :

Acute oral toxicity : LD50 Oral rat: > 10.000 mg/kg

cute inhalation toxicity	Acute toxicity estimate 1,5 mg/l
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	Exposure time: 4 h Test atmosphere: dust/mist Method: Expert judgement
Acute dermal toxicity	: LD50 Dermal rabbit: > 9.400 mg/kg
	cyanate, oligomeric reaction products with butane-1,3-diol, 2,4'-
diisocyanatodiphenylmethan	
Acute oral toxicity	: LD50 Oral rat: > 5.000 mg/kg
Acute inhalation toxicity	: LC50 rat: 0,49 mg/l Exposure time: 4 h
Acute dermal toxicity	: LD50 Dermal rabbit: > 9.400 mg/kg
Skin corrosion/irritation	

Product

Causes skin irritation.

Serious eye damage/eye irritation

Product

Causes serious eye irritation.

Respiratory or skin sensitisation

Product

May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Germ cell mutagenicity

Product

Mutagenicity	: No data available
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Carcinogenicity

Product

Carcinogenicity

: Suspected of causing cancer.

Reproductive Toxicity/Fertility

Reproductive toxicity	: No data available
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No data available

Reproductive Toxicity/Development/Teratogenicity

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Teratogenicity

: No data available

No data available **STOT - single exposure** No data available **STOT - repeated exposure** No data available **Aspiration toxicity**

No data available

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 Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

 In accordance with the EWC Waste Regulation the classification of waste is to be assigned to the jurisdiction of the origin of waste. Therefore, it is not possible to assign a particular waste identification number.
 Completely emptied packagings may be given for recycling.
 Empty packaging may still contain hazardous residues. Empty packaging should be removed by a licensed waste contractor.



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Sika has agreed disposal contracts for all packaging which is brought into circulation in Germany. For further details see www.sika.de

SECTION 14: Transport information

ADR Not dangerous goods IATA Not dangerous goods IMDG Not dangerous goods

14.6 Special precautions for user No data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code not applicable

SECTION 15: Regulatory information

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

Labelling according to EC Directives (1999/45/EC)

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Hazard pictograms

Harmful		
R-phrase(s)	: R20	Harmful by inhalation.
	R36/37/38	Irritating to eyes, respiratory system and skin.
	R40	Limited evidence of a carcinogenic effect.
	R42/43	May cause sensitisation by inhalation and skin contact.
	R48/20	Harmful: danger of serious damage to health by prolonged exposure through in- halation.
S-phrase(s)	: S23	Do not breathe vapour.
- p	S36/37	Wear suitable protective clothing and gloves.
	S45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Hazardous components which must be listed on the label:

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618-498-9500-415-1	Diphenylmethanediisocyanate, isomeres and homologues 4,4'-Methylenediphenyl diisocyanate, oligomeric reaction products with butane-1,3-diol, 2,4'-diisocyanatodiphenylmethane, 2,2'-oxydiethanol and propane-1,2-diol		
Special labelling of cert mixtures	ain : Contains isocyanates. See information supplied by the manu- facturer.		
Prohibition/Restriction: Banned and/or restrictedREACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII): Banned and/or restricted (Diphenylmethanediisocyanate)			
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 : not applicable (Annex XIV)			
REACH Information:	ormation: All substances contained in our Products are - preregistered or registered by our upstream suppliers, and/o - preregistered or registered by us, and/or - excluded from the regulation, and/or - exempted from the registration.		
Water contaminating cl (Germany)	ass : WGK 1 slightly water endangering Gemäß VwVws vom 30.Juli 2005		
VOC-CH (VOCV)	: no VOC duties		
VOC-EU (solvent)	: not applicable		

15.2 Chemical Safety Assessment

This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Full text of R-Phrases	
R20	Harmful by inhalation.
R36/37/38	Irritating to eyes, respiratory system and skin.
R40	Limited evidence of a carcinogenic effect.
R42/43	May cause sensitisation by inhalation and skin contact.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.

Full text of H-Statements

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

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H334	May cause allergy or asthma symptoms or breathing difficulties if in-
	haled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure
	if inhaled.

Full text of other abbreviations

Acute Tox.	Acute toxicity
Carc.	Carcinogenicity
Eye Irrit.	Eye irritation
Resp. Sens.	Respiratory sensitisation
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitisation
STOT RE	Specific target organ toxicity - repeated exposure
STOT SE	Specific target organ toxicity - single exposure

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 any use and processing.

Changes as compared to previous version !