

Version 1.0

Print Date 02.12.2024

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

1.1 Product identifier

Trade name

: Sika[®] Ucrete[®] F 25

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

: Filler

Product use

1.3 Details of the supplier of the safety data sheet

Company name of supplier	:	Sika Schweiz AG
		Tüffenwies 16
		8048 Zürich
Telephone	:	+41 58 436 40 40
Telefax	:	-
E-mail address of person	:	EHS@ch.sika.com
responsible for the SDS		

1.4 Emergency telephone number

Tox Info Suisse CH-8028 Zurich +41(0)44 251 51 51 / Speed calling: 145

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Respiratory sensitisation, Category 1

H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms Signal word Danger 2 May cause allergy or asthma symptoms or breath-Hazard statements H334 ٠ ing difficulties if inhaled. Prevention: : Precautionary statements



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	P261 P284	Avoid breathing dust. In case of inadequate ventilatio atory protection.	n wear respir-
	Response:		
	P304 + P340	IF INHALED: Remove person to keep comfortable for breathing.	
	P342 + P311	If experiencing respiratory sympolic POISON CENTER/ doctor.	otoms: Call a
	Disposal:		
	P501	Dispose of contents/container in with local regulation.	n accordance

Hazardous components which must be listed on the label:

4,4'-methylenediphenyl diisocyanate Diphenylmethanediisocyanate, isomeres and homologues

Additional Labelling

EUH204 Contains isocyanates. May produce an allergic reaction.

"As from 24 August 2023 adequate training is required before industrial or professional use."

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

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Components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
4,4'-methylenediphenyl diisocya- nate	101-68-8 202-966-0 01-2119457014-47- XXXX	Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H315 Resp. Sens. 1; H334 Skin Sens. 1; H317 Carc. 2; H351 STOT SE 3; H335 (Respiratory system) STOT RE 2; H373 specific concentration limit Eye Irrit. 2; H319 >= 5 % specific concentration limit STOT SE 3; H335 >= 5 %	>= 0,1 - < 0,5
		specific concentration limit Skin Irrit. 2; H315 >= 5 %	
		specific concentration limit Resp. Sens. 1; H334 >= 0,1 %	
		Acute toxicity esti- mate	
		Acute inhalation tox- icity (dust/mist): 1,5 mg/l	



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Diphenylmethanediisocyanate, isomeres and homologues	9016-87-9 Not Assigned	Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Resp. Sens. 1; H334 Skin Sens. 1; H317 Carc. 2; H351 STOT SE 3; H335 (Respiratory system) STOT RE 2; H373 \longrightarrow specific concentration limit Eye Irrit. 2; H319 >= 5 % specific concentration limit Resp. Sens. 1; H334 >= 0,1 %	>= 0,1 - < 0,5
		specific concentration limit Skin Irrit. 2; H315 >= 5 %	
		specific concentration limit STOT SE 3; H335 >= 5 %	
Substances with a workplace exp	oosure limit :		
Quartz (SiO2)	14808-60-7 238-878-4		>= 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 atte	ndance.
If inhaled	: Move to fresh air. Consult a physician after significant exposure.	



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In case of skin contact	:	Take off contaminated clothing and shoes imm Wash off with soap and plenty of water. If symptoms persist, call a physician.	ediately.
In case of eye contact	:	Remove contact lenses. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.	
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 unconscio	
4.2 Most important symptoms	and	effects, both acute and delayed	
Symptoms	:	Asthmatic appearance Allergic reactions See Section 11 for more detailed information o and symptoms.	n health effects
Risks	:	May cause allergy or asthma symptoms or breaties if inhaled.	athing difficul-
		sensitising effects	
4.3 Indication of any immedia	te me	dical attention and special treatment needed	
Treatment	:	Treat symptomatically.	

SECTION	5:	Firefighting	measures
	ν.	i nongining	measures

5.1 Extinguishing media Suitable extinguishing m	dia : In case of fire, use water/water spray/water jet/carbon diox- ide/sand/foam/alcohol resistant foam/chemical powder for extinction.
	om the substance or mixture od- : No hazardous combustion products are known
5.3 Advice for firefighters Special protective equip for firefighters Further information	ent : In the event of fire, wear self-contained breathing apparatus.: Standard procedure for chemical fires.



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SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

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

6.2 Environmental precautions

Environmental precautions

: Do not flush into surface water or sanitary sewer system.

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). 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 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, inc	luding any incompatibilities
	Requirements for storage : areas and containers	Keep container tightly closed in a dry and well-ventilated place. Store in accordance with local regulations.

Further information on stor- : Keep in a dry place.



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age stability	No decomposition if stored and app	plied as directed.
7.3 Specific end use(s)		
Specific use(s)	: Cleaning with aprotic polar solvents Consult most current local Product use.	

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 *
Quartz (SiO2)	14808-60-7	TWA (alveolate dust)	0,15 mg/m3 (Silica)	CH SUVA
	Further information: Provisional value - The TWA-values for these substances are, for various reasons, not yet definitively estab- lished, Carcinogenic Category 1, National Institute for Occupa- tional Safety and Health, Occupational Safety and Health Admin- istration, Health and Safety Executive (Occupational Medicine and Hygiene Laboratory), Harm to the unborn child is not to be ex- pected when the OEL-value is respected			vely estab- or Occupa- lealth Admin- I Medicine and
4,4'-methylenediphenyl diisocyanate	101-68-8	TWA	0,02 mg/m3 (NCO)	CH SUVA
	Further information: Toxic by skin resorption possible; Substanc- es, which are easily absored through the skin, can give by addi- tional skin resoption a substancial higher risk compared to only inhalation by the airways., Sensitizers; Substances marked with an S can lead to very strong allergic reactions., Health and Safety Executive (Occupational Medicine and Hygiene Laboratory), Harm to the unborn child is not to be expected when the OEL-value is respected			
		STEL	0,02 mg/m3 (NCO)	CH SUVA
Diphenylmethanediisocyanate, isomeres and homologues	9016-87-9	TWA	0,02 mg/m3 (NCO)	CH SUVA
	Further information: Sensitizers; Substances marked with an S can lead to very strong allergic reactions., Health and Safety Ex- ecutive (Occupational Medicine and Hygiene Laboratory)			nd Safety Ex- atory)
***		STEL	0,02 mg/m3 (NCO)	CH SUVA

*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
alveolate dust		TWA	3 mg/m3	CH SUVA
inhalable dust		TWA	10 mg/m3	CH SUVA



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Biological occupational exposure limits

Substance name	CAS-No.	Control parame- ters	Sampling time	Basis
4,4'-methylenediphenyl diisocyanate	101-68-8	4,4'- diaminodiphenyl- methane: 10 µg/g creatinine (Urine)	Immediately after exposure or after working hours	CH BAT
		4,4'- diaminodiphenyl- methane: 5 nmol/mmol creati- nine (Urine)	Immediately after exposure or after working hours	CH BAT

8.2 Exposure controls

Engineering measures

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

Personal protective equipmer	t
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 approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer 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 exhaust extraction or by general ventilation. (EN 689 - Meth- ods for determining inhalation exposure). This applies in par- ticular 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 exposure controls



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state Appearance Colour	:	solid powder dark 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	ovr	losive limits
Upper explosion limit / Upper 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	:	Not applicable substance/mixture is non-soluble (in water)
Viscosity Viscosity, kinematic	:	Not applicable

Solubility(ies)

Water solubility	:	insoluble

Partition coefficient: n- octanol/water	: No data available

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Vapour pressure	: No data available
Density	: No data available
Bulk density	: 1.500 kg/m3
Relative vapour density	: No data available
Particle characteristics	: No data available
9.2 Other information Metal corrosion rate	: Not corrosive to metals

Metal corrosion rate	: Not	corros
Metal corrosion rate	: Not	corros

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	: Avoid moisture.
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10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

No hazardous decomposition products are known.



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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.

Components:

4,4'-methylenediphenyl diisocyanate:

Acute oral toxicity	:	LD50 Oral (Rat): > 5.000 mg/kg Method: OECD Test Guideline 401
Acute inhalation toxicity	:	LC50: 1,5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Expert judgement
		Acute toxicity estimate: 1,5 mg/l Test atmosphere: dust/mist Method: Calculation method

Diphenylmethanediisocyanate, isomeres and homologues:

Acute oral toxicity	:	LD50 Oral (Rat): > 10.000 mg/kg
Acute inhalation toxicity	:	LC50: 1,5 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: Expert judgement Assessment: The component/mixture is moderately toxic after short term inhalation.

Acute dermal toxicity : LD50 Dermal (Rabbit): > 9.400 mg/kg

Skin corrosion/irritation

Not classified due to lack of data.

Serious eye damage/eye irritation

Not classified due to lack of data.

Respiratory or skin sensitisation

Skin sensitisation

Not classified due to lack of data.

Respiratory sensitisation

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Germ cell mutagenicity

Not classified due to lack of data.

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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:

Diphenylmethanediisocyanate, isomeres and homologues:

Toxicity to fish	:	LC50 (Brachydanio rerio (zebrafish)): > 1.000 mg/l Exposure time: 96 h
Toxicity to algae/aquatic plants	:	EC50 (Desmodesmus subspicatus (green algae)): > 1.640 mg/l Exposure time: 72 h

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:



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Assessment :	This substance/mixture contains no components to be either persistent, bioaccumulative and toxi very persistent and very bioaccumulative (vPvB 0.1% or higher	c (PBT), or	
12.6 Endocrine disrupting properties			
Product:			
Assessment :	The substance/mixture does not contain compo ered to have endocrine disrupting properties acc REACH Article 57(f) or Commission Delegated (EU) 2017/2100 or Commission Regulation (EU levels of 0.1% or higher.	cording to regulation	
12.7 Other adverse effects			
Product: Additional ecological infor- : mation	There is no data available for this product.		

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 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.
Waste code Switzerland VeVA/LVA	: 08 01 11 [S] Paint and varnish waste containing organic solvents or other hazardous substances

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	

SAFETY DATA SHEET

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

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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.

SECTION 15: Regulatory information

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

International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors

REACH Information:

All substances contained in our Products are

: Not applicable

- 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 56: 4,4'methylenediphenyl diisocyanate, Diphenylmethanediisocyanate, isomeres and homologues

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

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Other regulations:

Young people undergoing basic vocational training may only work with this product if the rele-Country CH 000000724016

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vant training ordinance makes provision for them to do so with a view to enabling them to achieve their training objectives and if the preconditions for the training plan have been met and the applicable age restrictions have been complied with. Young people who are not completing any basic vocational training are not permitted to work with this product. Employees of either sex who are under 18 years old are classed as young people.

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 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 difficul- ties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure if inhaled.
Full text of other abbreviatio	ns	
Acute Tox. Carc. Eye Irrit. Resp. Sens. Skin Irrit. Skin Sens. STOT RE STOT SE CH BAT CH SUVA CH SUVA / TWA CH SUVA / STEL ADR		Acute toxicity Carcinogenicity Eye irritation Respiratory sensitisation Skin irritation Skin sensitisation Specific target organ toxicity - repeated exposure Specific target organ toxicity - single exposure Switzerland. List of BAT-values Switzerland. Limit values at the work place Time Weighted Average Short Term Exposure Limit European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS DNEL EC50 GHS IATA IMDG LD50		Chemical Abstracts Service Derived no-effect level Half maximal effective concentration Globally Harmonized System International Air Transport Association International Maritime Code for Dangerous Goods 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

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MARPOL OEL PBT PNEC REACH SVHC vPvB	:	period) International Convention for the Prevention of Ships, 1973 as modified by the Protocol of 19 Occupational Exposure Limit Persistent, bioaccumulative and toxic Predicted no effect concentration Regulation (EC) No 1907/2006 of the Europea and of the Council of 18 December 2006 cond istration, Evaluation, Authorisation and Restric cals (REACH), establishing a European Chem Substances of Very High Concern Very persistent and very bioaccumulative	an Parliament cerning the Reg- ction of Chemi-
Further information			
Classification of the mixtur	re:	Classification proce	edure:
Resp. Sens. 1	H3	34 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 !

CH / EN