



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

1.1 Product identifier

Trade name : Sika® Primer-219

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

Product use : Primer, Product is not intended for consumer 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)

Flammable liquids, Category 2	H225: Highly flammable liquid and vapour.
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.
Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)



Hazard pictograms	:	  
Signal word	:	Danger
Hazard statements	:	H225 Highly flammable liquid and vapour. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H336 May cause drowsiness or dizziness.
Supplemental Hazard Statements	:	EUH066 Repeated exposure may cause skin dryness or cracking.
Precautionary statements	:	Prevention: P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 Avoid breathing mist or vapours. P280 Wear protective gloves/ protective clothing/ eye protection/ face 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. P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor. P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Hazardous components which must be listed on the label:

ethyl acetate
aromatic polyisocyanate
Bis[2-(2-isopropyl-1,3-oxazolidin-3-yl)ethyl] carbonate (MCS)
Hexamethylene-1,6-diisocyanate homopolymer
4,4'-methylenediphenyl diisocyanate
1,3-diphenylpropane-1,3-dione
m-tolyldiene diisocyanate

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.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
ethyl acetate	141-78-6 205-500-4 01-2119475103-46-XXXX	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066	>= 25 - < 40
butanone	78-93-3 201-159-0 01-2119457290-43-XXXX	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 EUH066	>= 25 - < 40
aromatic polyisocyanate	53317-61-6 Not Assigned	Eye Irrit. 2; H319 Skin Sens. 1; H317	>= 2,5 - < 5
tris(p-isocyanatophenyl) thiophosphate Contains: chlorobenzene <= 3,57 %	4151-51-3 223-981-9 01-2119948848-16-XXXX	Acute Tox. 4; H302	>= 2,5 - < 5
Bis[2-(2-isopropyl-1,3-oxazolidin-3-yl)ethyl] carbonate (MCS) Contains: 3-Oxazolidineethanol, 2-(1-methylethyl) >= 4 - <= 10 %	Not Assigned 429-990-6 01-0000017627-63-XXXX	Eye Dam. 1; H318 Skin Sens. 1; H317 Aquatic Chronic 3; H412	>= 2,5 - < 3
Hexamethylene-1,6-diisocyanate homopolymer Contains: hexamethylene-di-isocyanate <= 0,3 %	28182-81-2 931-274-8 01-2119485796-17-XXXX	Acute Tox. 4; H332 Skin Sens. 1; H317 STOT SE 3; H335	>= 1 - < 2,5



4,4'-methylenediphenyl diisocyanate	101-68-8 202-966-0 01-2119457014-47-XXXX	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 specific concentration limit Eye Irrit. 2; H319 >= 5 % STOT SE 3; H335 >= 5 % Skin Irrit. 2; H315 >= 5 % Resp. Sens. 1; H334 >= 0,1 % Acute toxicity estimate Acute inhalation toxicity (dust/mist): 1,5 mg/l	>= 0,1 - < 1
1,3-diphenylpropane-1,3-dione Contains: methyl benzoate < 0,2 %	120-46-7 204-398-9 01-2120047124-67-XXXX	Skin Sens. 1; H317	< 1
m-tolylidene diisocyanate	26471-62-5 247-722-4 01-2119454791-34-XXXX	Carc. 2; H351 Acute Tox. 1; H330 Eye Irrit. 2; H319 STOT SE 3; H335 Skin Irrit. 2; H315 Resp. Sens. 1; H334 Skin Sens. 1; H317 Aquatic Chronic 3; H412 specific concentration limit Resp. Sens. 1; H334 >= 0,1 %	>= 0,025 - < 0,1

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 : Immediately flush eye(s) with plenty of water.
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 unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms : Asthmatic appearance
Allergic reactions
Excessive lachrymation
Erythema
Loss of balance
Vertigo
See Section 11 for more detailed information on health effects and symptoms.
- Risks : irritant effects
sensitising effects
- May cause an allergic skin reaction.
Causes serious eye irritation.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause drowsiness or dizziness.
Repeated exposure may cause skin dryness or cracking.

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 : Alcohol-resistant foam
Carbon dioxide (CO₂)
Dry chemical

Unsuitable extinguishing media : Water

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : 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 apparatus.

Further information : Use water spray to cool unopened containers.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.
Remove all sources of ignition.
Deny access to unprotected persons.
Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

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 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 asthma, 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.
Take precautionary measures against static discharge.
Open drum carefully as content may be under pressure.
Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours).
Follow standard hygiene measures when handling chemical products
- Advice on protection against fire and explosion : Use explosion-proof equipment. Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. Take precautionary measures against electrostatic discharges.
- 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, including any incompatibilities

- Requirements for storage areas and containers : Store in cool place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store in accordance with local regulations.
- Further information on storage stability : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

- Specific use(s) : Cleaning with aprotic polar solvents must be avoided.
Consult most current local Product Data Sheet prior to any use.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form	Control parame-	Basis *
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		of exposure)	ters *	
ethyl acetate	141-78-6	STEL	400 ppm 1.468 mg/m3	2017/164/EU
Further information: Indicative				
		TWA	200 ppm 734 mg/m3	2017/164/EU
		TWA	200 ppm 730 mg/m3	CH SUVA
Further information: National Institute for Occupational Safety and Health, Institut National de Recherche et de Sécurité pour la prévention des accidents du travail et des maladies professionnelles, Harm to the unborn child is not to be expected when the OEL-value is respected				
		STEL	400 ppm 1.460 mg/m3	CH SUVA
butanone	78-93-3	TWA	200 ppm 600 mg/m3	2000/39/EC
Further information: Indicative				
		STEL	300 ppm 900 mg/m3	2000/39/EC
		TWA	200 ppm 590 mg/m3	CH SUVA
Further information: Toxic by skin resorption possible; Substances, which are easily absorbed through the skin, can give by additional skin resorption a substantial higher risk compared to only inhalation by the airways., National Institute for Occupational Safety and Health, Occupational Safety and Health Administration, Institut National de Recherche et de Sécurité pour la prévention des accidents du travail et des maladies professionnelles, Harm to the unborn child is not to be expected when the OEL-value is respected				
		STEL	200 ppm 590 mg/m3	CH SUVA
tris(p-isocyanatophenyl) thiophosphate	4151-51-3	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 Executive (Occupational Medicine and Hygiene Laboratory)				
		STEL	0,02 mg/m3 (NCO)	CH SUVA
Hexamethylene-1,6-diisocyanate homopolymer	28182-81-2	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 Executive (Occupational Medicine and Hygiene Laboratory)				
		STEL	0,02 mg/m3 (NCO)	CH SUVA
		TWA	0,02 mg/m3 (NCO)	CH SUVA
Further information: The limit value of isocyanates applies for the total of its reactive NCO-groups of all monomers and prepolymers. Therefore the individual limit values for individual isocyanates are cancelled., Sensitizers; Substances marked with an S can lead to very strong allergic reactions., Health and Safety Executive (Occupational Medicine and Hygiene Laboratory)				



		STEL	0,02 mg/m3 (NCO)	CH SUVA
4,4'-methylenediphenyl diisocyanate	101-68-8	TWA	0,02 mg/m3 (NCO)	CH SUVA
	Further information: Toxic by skin resorption possible; Substances, which are easily absorbed through the skin, can give by additional skin resorption a substantial 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
m-tolylidene diisocyanate	26471-62-5	STEL	0,02 mg/m3	CH SUVA
		TWA	0,02 mg/m3	CH SUVA
		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 Executive (Occupational Medicine and Hygiene Laboratory)			
		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.

Biological occupational exposure limits

Substance name	CAS-No.	Control parameters	Sampling time	Basis
butanone	78-93-3	2-butanone (MEK): 2 mg/l (Urine)	Immediately after exposure or after working hours	CH BAT
		2-Butanon (MEK): 27.7 micromol per litre (Urine)	Immediately after exposure or after working hours	CH BAT
4,4'-methylenediphenyl diisocyanate	101-68-8	4,4'-diaminodiphenylmethane: 10 µg/g creatinine (Urine)	Immediately after exposure or after working hours	CH BAT
		4,4'-diaminodiphenylmethane: 5 nmol/mmol creatinine (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 equipment

Eye protection : Safety glasses with side-shields conforming to EN166

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Sika® Primer-219



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- 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.
- Suitable for short time use or protection against splashes:
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.
- 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 additionally 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 working 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 assessment 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.

Environmental exposure controls

- General advice : Prevent product from entering drains.
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

- Physical state : liquid
Colour : black
- Odour : solvent-like
- Boiling point/boiling range : No data available



Upper/lower flammability or explosive limits

Upper explosion limit / Up-
per flammability limit : 11,5 %(V)

Lower explosion limit /
Lower flammability limit : 1,8 %(V)

Flash point : ca. -4 °C
Method: closed cup

Auto-ignition temperature : 427 °C

pH : Not applicable
substance/mixture is non-soluble (in water)

Viscosity

Viscosity, dynamic : ca. 6 mPa.s (20 °C)

Viscosity, kinematic : < 20,5 mm²/s (40 °C)

Vapour pressure : 99,9915 hPa

Density : ca. 0,96 g/cm³ (20 °C)

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.

Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.
Avoid moisture.



10.5 Incompatible materials

Materials to avoid : Strong acids and strong bases
Strong oxidizing agents

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

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

Acute toxicity

Not classified based on available information.

Components:

ethyl acetate:

Acute oral toxicity : LD50 Oral (Rat): > 5.000 mg/kg
Acute inhalation toxicity : LC50 (Rat): ca. 1.600 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Acute dermal toxicity : LD50 Dermal (Rabbit): > 5.000 mg/kg

butanone:

Acute oral toxicity : LD50 Oral (Rat): 3.300 mg/kg
Acute inhalation toxicity : LC50 (Rat): 36 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Acute dermal toxicity : LD50 Dermal (Rabbit): > 5.000 mg/kg

aromatic polyisocyanate:

Acute oral toxicity : LD50 Oral (Rat): > 5.000 mg/kg

tris(p-isocyanatophenyl) thiophosphate:

Acute oral toxicity : LD50 Oral (Rat): > 675 mg/kg
Remarks: see user defined free text
Acute inhalation toxicity : LC50 (Rat): 5,721 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

Hexamethylene-1,6-diisocyanate homopolymer:

Acute oral toxicity : LD50 Oral (Rat): > 2.500 mg/kg



- Acute inhalation toxicity : LC50: 1,5 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist
Method: Expert judgement
- Acute dermal toxicity : LD50 Dermal (Rat): > 2.000 mg/kg

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

m-tolyldiene diisocyanate:

- Acute inhalation toxicity : LC50 (Rat): 0,107 mg/l
Exposure time: 4 h
Test atmosphere: vapour

Skin corrosion/irritation

Repeated exposure may cause skin dryness or cracking.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

Skin sensitisation

May cause an allergic skin reaction.

Respiratory sensitisation

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

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

May cause drowsiness or dizziness.

STOT - repeated exposure

Not classified based on available information.



Aspiration toxicity

Not classified based on available information.

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

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 information : 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 : 08 01 11: -
VeVA/LVA
- Contaminated packaging : 15 01 10 [S] packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

14.1 UN number

- ADR : UN 1866
IMDG : UN 1866
IATA : UN 1866

14.2 UN proper shipping name

- ADR : RESIN SOLUTION
IMDG : RESIN SOLUTION
IATA : Resin solution

14.3 Transport hazard class(es)

- ADR : 3
IMDG : 3
IATA : 3

14.4 Packing group

- ADR
Packing group : II
Classification Code : F1
Hazard Identification Number : 33
Labels : 3



Tunnel restriction code : (D/E)

IMDG

Packing group : II
Labels : 3
EmS Code : F-E, S-E

IATA (Cargo)

Packing instruction (cargo aircraft) : 364
Packing instruction (LQ) : Y341
Packing group : II
Labels : Flammable Liquids

IATA (Passenger)

Packing instruction (passenger aircraft) : 353
Packing instruction (LQ) : Y341
Packing group : II
Labels : Flammable Liquids

14.5 Environmental hazards

ADR

Environmentally hazardous : no

IMDG

Marine pollutant : no

IATA (Passenger)

Environmentally hazardous : no

IATA (Cargo)

Environmentally hazardous : no

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 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

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

4,4'-methylenediphenyl diisocyanate
(Number on list 74, 56)
m-tolylidene diisocyanate (Number
on list 74)

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International Chemical Weapons Convention (CWC) Schedules of Toxic Chemicals and Precursors	:	Not applicable
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 (EC) No 1005/2009 on substances that deplete the ozone layer	:	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast)	:	Not applicable
PIC Ordinance, ChemPICO (814.82)	:	Not applicable
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.

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

P5c FLAMMABLE LIQUIDS

Water hazard class (Germany) : WGK 2 obviously hazardous to water
Classification according to AwSV, Annex 1 (5.2)

Volatile organic compounds : Law on the incentive tax for volatile organic compounds (VOCV)
Volatile organic compounds (VOC) content: 72,46% w/w

Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control)
Volatile organic compounds (VOC) content: 72,46% w/w

Other regulations:

Young people undergoing basic vocational training may only work with this product if the relevant 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

H225	:	Highly flammable liquid and vapour.
H302	:	Harmful if swallowed.
H315	:	Causes skin irritation.
H317	:	May cause an allergic skin reaction.
H318	:	Causes serious eye damage.
H319	:	Causes serious eye irritation.
H330	:	Fatal if inhaled.
H332	:	Harmful if inhaled.
H334	:	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	:	May cause respiratory irritation.
H336	:	May cause drowsiness or dizziness.
H351	:	Suspected of causing cancer.
H373	:	May cause damage to organs through prolonged or repeated exposure if inhaled.
H412	:	Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	:	Acute toxicity
Aquatic Chronic	:	Long-term (chronic) aquatic hazard
Carc.	:	Carcinogenicity
Eye Dam.	:	Serious eye damage
Eye Irrit.	:	Eye irritation
Flam. Liq.	:	Flammable liquids
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
2000/39/EC	:	Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
2017/164/EU	:	Europe. Commission Directive 2017/164/EU establishing a fourth list of indicative occupational exposure limit values
CH BAT	:	Switzerland. List of BAT-values
CH SUVA	:	Switzerland. Limit values at the work place
2000/39/EC / TWA	:	Limit Value - eight hours
2000/39/EC / STEL	:	Short term exposure limit
2017/164/EU / STEL	:	Short term exposure limit
2017/164/EU / TWA	:	Limit Value - eight hours
CH SUVA / TWA	:	Time Weighted Average
CH SUVA / STEL	:	Short Term Exposure Limit
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 dose (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 Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency
SVHC	:	Substances of Very High Concern
vPvB	:	Very persistent and very bioaccumulative

Further information

Classification of the mixture:

Flam. Liq. 2	H225
Eye Irrit. 2	H319
Resp. Sens. 1	H334
Skin Sens. 1	H317
STOT SE 3	H336

Classification procedure:

Based on product data or assessment
Calculation method
Calculation method
Calculation method
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 !

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