

Safety Data Sheet

according to UK REACH Regulation

SANIT Silikon Ex

Revision date: 13.06.2023

Product code: 5550591

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

1.1. Product identifier

SANIT Silikon Ex

Product group: Zulieferprodukt
 UFI: H0CV-QYSY-KG00-N6TA

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

Use of the substance/mixture

Washing and cleaning products (including solvent based products)

1.3. Details of the supplier of the safety data sheet

Company name:	SANIT-Chemie	
	Reinigungsmittel und -geräte GmbH	
Street:	Dieselstr. 38	
Place:	D-74211 Leingarten	
Telephone:	+49 7131 902100	Telefax: +49 7131 404360
E-mail:	info@sanit-chemie.de	
Contact person:	Produktmanagement	Telephone: 07131 90210-20
Internet:	www.sanit-chemie.de	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Skin Corr. 1; H314
 Eye Dam. 1; H318

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

Dibutylphosphate
 Phosphoric acid, bis(2-ethylhexyl) ester

Signal word: Danger

Pictograms:



Hazard statements

H314 Causes severe skin burns and eye damage.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P264 Wash ... thoroughly after handling.
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P310 Immediately call a POISON CENTER/doctor.

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2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients
3.2. Mixtures
Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
64742-81-0	Kerosine (petroleum), hydrodesulfurized; Kerosine - unspecified			45 - < 60 %
	265-184-9	649-423-00-8		
	Asp. Tox. 1; H304			
107-66-4	Dibutylphosphate			20 - < 25 %
	203-509-8			
	Carc. 2, Skin Irrit. 2, Eye Dam. 1; H351 H315 H318			
298-07-7	Phosphoric acid, bis(2-ethylhexyl) ester			5 - < 10 %
	206-056-4		01-2119972334-35	
	Acute Tox. 4, Skin Corr. 1, Eye Dam. 1; H302 H314 H318			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
107-66-4	203-509-8	Dibutylphosphate	20 - < 25 %
		oral: LD50 = > 2000 mg/kg	
298-07-7	206-056-4	Phosphoric acid, bis(2-ethylhexyl) ester	5 - < 10 %
		inhalation: LC50 = 1300 mg/l (vapours); dermal: LD50 = >2000 mg/kg; oral: LD50 = 1400 mg/kg	

SECTION 4: First aid measures
4.1. Description of first aid measures
General information

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down.

After inhalation

Provide fresh air. Medical treatment necessary.

The following symptoms may occur: Headache. Dizziness. drowsiness.

After contact with skin

After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. . Do not allow a neutralisation agent to be drunk.

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4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

5.2. Special hazards arising from the substance or mixture

Non-flammable. Vapours can form explosive mixtures with air.

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes.

Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

6.3. Methods and material for containment and cleaning up

Other information

Take up mechanically. Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Avoid dust formation. Do not breathe dust. Ensure adequate ventilation of the storage area. Avoid contact with skin and eyes.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Advice on general occupational hygiene

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide

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adequate ventilation as well as local exhaustion at critical locations.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

7.3. Specific end use(s)

Washing and cleaning products (including solvent based products)

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
107-66-4	Dibutyl hydrogen phosphate	1	8.7		TWA (8 h)	WEL
		2	17		STEL (15 min)	WEL

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
107-66-4	Dibutylphosphate			
Worker DNEL, long-term		inhalation	systemic	4,4 mg/m ³
Worker DNEL, long-term		dermal	systemic	0,6 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,77 mg/m ³
Consumer DNEL, long-term		dermal	systemic	0,22 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,22 mg/kg bw/day
298-07-7	Phosphoric acid, bis(2-ethylhexyl) ester			
Worker DNEL, long-term		inhalation	systemic	3,52 mg/m ³
Worker DNEL, acute		inhalation	systemic	3,52 mg/m ³
Worker DNEL, long-term		inhalation	local	1 mg/m ³
Worker DNEL, acute		inhalation	local	1 mg/m ³
Worker DNEL, long-term		dermal	systemic	0,5 mg/kg bw/day
Worker DNEL, acute		dermal	systemic	0,5 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,87 mg/m ³
Consumer DNEL, acute		inhalation	systemic	0,87 mg/m ³
Consumer DNEL, long-term		dermal	systemic	0,25 mg/kg bw/day
Consumer DNEL, acute		dermal	systemic	0,25 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	0,25 mg/kg bw/day
Consumer DNEL, acute		oral	systemic	0,25 mg/kg bw/day

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PNEC values

CAS No	Substance	
	Environmental compartment	Value
298-07-7	Phosphoric acid, bis(2-ethylhexyl) ester	
	Freshwater	0,412 mg/l
	Marine water	0,041 mg/l
	Freshwater sediment	11,82 mg/kg
	Marine sediment	1,18 mg/kg
	Micro-organisms in sewage treatment plants (STP)	19,6 mg/l
	Soil	2,12 mg/kg

8.2. Exposure controls



Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Individual protection measures, such as personal protective equipment

Eye/face protection

Suitable eye protection: goggles.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Tested protective gloves are to be worn: NBR (Nitrile rubber). Thickness of glove material: 0,7mm Breakthrough times and swelling properties of the material must be taken into consideration. penetration time (maximum wearing period): 8h

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Work in well-ventilated zones or use proper respiratory protection. Filtering device (full mask or mouthpiece) with filter: A

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Paste
Colour:	colourless
Odour:	characteristic
Melting point/freezing point:	not determined
Boiling point or initial boiling point and boiling range:	180 °C

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Flammability:	not determined not applicable
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Flash point:	> 65 °C
Decomposition temperature:	not determined
pH-Value:	not applicable
Water solubility:	sparingly soluble.
Solubility in other solvents	
not determined	
Partition coefficient n-octanol/water:	not determined
Vapour pressure:	not determined
Density:	0,9 g/cm ³
Relative vapour density:	not determined

9.2. Other information

Information with regard to physical hazard classes

Self-ignition temperature

Solid:

not determined

Gas:

not applicable

Oxidizing properties

Not oxidising.

Other safety characteristics

Evaporation rate:

not determined

Solid content:

not determined

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

none

10.5. Incompatible materials

Acid, concentrated. Oxidizing agents, strong.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in GB CLP Regulation

Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
107-66-4	Dibutylphosphate				
	oral	LD50 > 2000 mg/kg	Ratte	ECHA	OECD 401
298-07-7	Phosphoric acid, bis(2-ethylhexyl) ester				
	oral	LD50 1400 mg/kg	rat	ECHA	
	dermal	LD50 >2000 mg/kg	rabbit	ECHA	OECD 402
	inhalation (4 h) vapour	LC50 1300 mg/l	rat	ECHA	

Irritation and corrosivity

Causes severe skin burns and eye damage.

Causes serious eye damage.

Sensitising effects

Based on available data, the classification criteria are not met.

No data available

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

11.2. Information on other hazards
Further information

Has degreasing effect on the skin.

SECTION 12: Ecological information
12.1. Toxicity

No data available

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
107-66-4	Dibutylphosphate					
	Acute fish toxicity	LC50 >100 mg/l	96 h	Danio rerio	ECHA	EU Method C.1
	Acute algae toxicity	ErC50 >100 mg/l		Grünalge	ECHA	OECD 201
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia	ECHA	OECD 202
	Acute bacteria toxicity	EC50 >10000 mg/l ()		Mikroorganismen	ECHA	OECD 209
298-07-7	Phosphoric acid, bis(2-ethylhexyl) ester					
	Acute fish toxicity	LC50 30 mg/l	96 h	Salmo gairdneri	ECHA	
	Acute algae toxicity	ErC50 100 mg/l		Freshwater algae	ECHA	OECD 201
	Acute crustacea toxicity	EC50 60,7 mg/l	48 h	freshwater Invertebrates	ECHA	

12.2. Persistence and degradability

No data available

CAS No	Chemical name				
	Method	Value	d	Source	
	Evaluation				
107-66-4	Dibutylphosphate				
	EU Method C.9 (Biodegradation: Zahn-Wellens Test)	98	28	ECHA	
298-07-7	Phosphoric acid, bis(2-ethylhexyl) ester				
	OECD 301F	75%	28	ECHA	
	leicht abbaubar / readily biodegradable				

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

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List of Wastes Code - residues/unused products

070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors; hazardous waste

List of Wastes Code - contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.2. UN proper shipping name: No dangerous good in sense of these transport regulations.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes



14.6. Special precautions for user

No information available.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D): 2 - obviously hazardous to water

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1.

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Abbreviations and acronyms

Acute Tox: Acute toxicity

Asp. Tox: Aspiration hazard

Skin Irrit: Skin irritation

Skin Corr: Skin corrosion

Eye Dam: Eye damage

Carc: Carcinogenicity

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Skin Corr. 1; H314	Calculation method
Eye Dam. 1; H318	Calculation method

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H351	Suspected of causing cancer.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)