



# SÜDWEST Super-Dickschutz UNI

Long-term (chronic) aquatic hazard, Category 2

H411: Toxic to aquatic life with long lasting effects.

## 2.2 Label elements

### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word	:	Warning
Hazard statements	:	H226 Flammable liquid and vapour. H317 May cause an allergic skin reaction. H411 Toxic to aquatic life with long lasting effects.
Supplemental Hazard Statements	:	EUH066 Repeated exposure may cause skin dryness or cracking.
Precautionary statements	:	<b>Prevention:</b> P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 Avoid breathing vapours. P280 Wear protective gloves. <b>Response:</b> P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P333 + P313 If skin irritation or rash occurs: Get medical advice/attention. P362 + P364 Take off contaminated clothing and wash it before reuse. <b>Disposal:</b> P501 Contents/container to be disposed of through approved disposal contractor or taken to municipal collection point.

### Hazardous components which must be listed on the label:

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

## 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. Index-No. Registration number	Classification	Concentration (% w/w)

# SÜDWEST Super-Dickschutz

## UNI

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9 649-327-00-6 01-2119457273-39-XXXX	Asp. Tox. 1; H304 EUH066, Note P	≥ 10 - < 20
Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9 01-2119463258-33-XXXX	Asp. Tox. 1; H304 Flam. Liq. 3; H226 STOT SE 3; H336 EUH066, Note P	≥ 1 - < 10
zinc oxide	1314-13-2 215-222-5 030-013-00-7 01-2119463881-32-XXXX	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	≥ 2,5 - < 10
trizinc bis(orthophosphate)	7779-90-0 231-944-3 030-011-00-6 01-2119485044-40-XXXX	Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	≥ 2,5 - < 10
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-48-9 01-2119471843-32-XXXX	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system) Asp. Tox. 1; H304 Aquatic Chronic 3; H412 EUH066, Note P	≥ 1 - < 2,5
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	1065336-91-5 01-2119491304-40-XXXX	Aquatic Chronic 1; H410 Aquatic Acute 1; H400 Skin Sens. 1A; H317 Repr. 2; H361f M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	≥ 0,25 - < 1

For explanation of abbreviations see section 16.

### SECTION 4: FIRST AID MEASURES

#### 4.1 Description of first aid measures

# SÜDWEST Super-Dickschutz UNI

General advice	When symptoms persist or in all cases of doubt seek medical advice. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.
Inhalation	Move to fresh air in case of accidental inhalation of vapours or decomposition products. Keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If symptoms persist, call a physician.
Skin contact	Take off contaminated clothing and shoes immediately. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do NOT use solvents or thinners. If skin irritation persists, call a physician.
Eye contact	In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek medical advice.
Ingestion	Rinse mouth with water. If swallowed, seek medical advice immediately and show this container or label. Keep at rest. Do NOT induce vomiting.

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

Symptoms No information available.

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

Treatment Treat symptomatically.  
No information available.

### SECTION 5: FIREFIGHTING MEASURES

#### 5.1 Extinguishing media

Suitable extinguishing media CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Unsuitable extinguishing media High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

Fire may cause evolution of:  
Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)  
Exposure to decomposition products may be a hazard to health.  
Cool closed containers exposed to fire with water spray.

#### 5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus.  
Fight fire with normal precautions from a reasonable distance.

Additional advice

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and

Remove all sources of ignition.  
Ensure adequate ventilation.

# SÜDWEST Super-Dickschutz UNI

## emergency procedures

Do not breathe vapour.  
Prevent unauthorized access.

## 6.2 Environmental precautions

The product should not be allowed to enter drains, water courses or the soil.  
If the product contaminates rivers and lakes or drains inform respective authorities.

## 6.3 Methods and material for containment and 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).  
Clean with detergents. Avoid solvents.  
Clean contaminated surface thoroughly.  
Dispose of contaminated material as waste according to item 13.

## 6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

#### Advice on safe handling

Comply with the statutory regulations on health and safety at work.  
Avoid formation of aerosol.  
Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limit values.  
The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.  
All metal parts of the mixing and processing equipment must be earthed.  
Operators should wear antistatic footwear and clothing. No sparking tools should be used.

#### Hygiene measures

Do not breathe spray, vapour.  
Take off all contaminated clothing immediately.  
Avoid contact with skin, eyes and clothing.  
Wash hands before breaks and immediately after handling the product.  
After washing hands, replenish lost skin oil by means of oily skin ointment.  
When using do not eat, drink or smoke.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Requirements for storage areas and containers

Store in original container.  
Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. Nonsmoking.  
Prevent unauthorized access.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Keep in a well-ventilated place.  
Protect from frost, heat and sunlight.

#### Advice on protection against fire and explosion

Vapours are heavier than air and may spread along floors.  
Vapours may form explosive mixtures with air.  
Keep away from sources of ignition - No smoking.  
Take measures to prevent the build up of electrostatic charge.



# SÜDWEST Super-Dickschutz UNI

- Skin and body protection : Preventive skin protection
- Long sleeved clothing
- Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthehic fiber. All parts of the body should be washed after contact.
- Respiratory protection : When workers are facing concentrations above the occupational exposure limit values they must use appropriate certified respirators.
- Breathing protection equipment required in inadequately ventilated places and during spraying.
- In order to avoid inhalation of spray-mist and sanding dust, all spraying and sanding must be done wearing adequate respirator.
- Combination filter A-P2
- Respiratory protection complying with EN 14387.

## Environmental exposure controls

- Air : Avoid release to the environment.
- Soil : Avoid subsoil penetration.
- Water : 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

- Physical state : liquid
- Colour : transparent
- Odour : characteristic
- Odour Threshold : No data available

# SÜDWEST Super-Dickschutz UNI

Melting point/freezing point : No data available

Initial boiling point and boiling range : No data available

Upper explosion limit / Upper flammability limit : No data available

Lower explosion limit / Lower flammability limit : No data available

Flash point : 47 °C  
Method: ISO 3679, closed cup

Decomposition temperature : No data available

pH : not determined

Viscosity  
Viscosity, dynamic : ca. 1.970 mPa.s

Viscosity, kinematic : ca. 544 mm<sup>2</sup>/s (40 °C)

Flow time : No data available

Solubility(ies)

# SÜDWEST Super-Dickschutz UNI

Water solubility : insoluble

Partition coefficient: n-  
octanol/water : not determined

Vapour pressure : No data available

Density : ca. 1,3 g/cm<sup>3</sup>

Relative vapour density : No data available

## 9.2 Other information

Explosives : Not explosive

Oxidizing properties : Not applicable

Flammability (liquids) : Not applicable

Self-ignition : not auto-flammable

Evaporation rate : not determined

# SÜDWEST Super-Dickschutz UNI

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions	No dangerous reaction known under conditions of normal use. Vapours may form explosive mixture with air.
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### 10.4 Conditions to avoid

Conditions to avoid	Direct sources of heat. Strong sunlight for prolonged periods.
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### 10.5 Incompatible materials

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

##### Product:

Acute oral toxicity	Based on available data, the classification criteria are not met.
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Acute inhalation toxicity	Based on available data, the classification criteria are not met.
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Acute dermal toxicity	Based on available data, the classification criteria are not met.
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#### Skin corrosion/irritation

##### Product:

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

#### Components:

##### Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics:

Repeated exposure may cause skin dryness or cracking.

##### Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics:

##### Method

OECD Test Guideline 404

Repeated exposure may cause skin dryness or cracking.

##### Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics:

Repeated exposure may cause skin dryness or cracking.

#### Serious eye damage/eye irritation

##### Product:

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

# SÜDWEST Super-Dickschutz UNI

**Respiratory or skin sensitisation****Product:**

May cause an allergic skin reaction.  
Does not cause respiratory sensitisation.

**Components:**

**Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:**

Method

OECD Test Guideline 406  
May cause an allergic skin reaction.

**Germ cell mutagenicity****Product:**

Genotoxicity in vitro

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

**Carcinogenicity****Product:**

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

**Reproductive toxicity****Product:**

Effects on fertility

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

Developmental Toxicity

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

**Components:**

**Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:**

Effects on fertility

Suspected of damaging fertility.

**STOT - single exposure****Product:**

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

**Components:**

**Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics:**

Assessment

May cause drowsiness or dizziness.

**Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics:**

Assessment

May cause drowsiness or dizziness.

**STOT - repeated exposure****Product:**

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

**Aspiration toxicity****Product:**

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

**Components:**

**Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics:**

May be fatal if swallowed and enters airways.

**Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics:**

May be fatal if swallowed and enters airways.

**Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics:**

May be fatal if swallowed and enters airways.

**Toxicology, Metabolism, Distribution****Further information****Product:**

# SÜDWEST Super-Dickschutz UNI

The product itself has not been tested. The mixture is classified in accordance with Annex I to EC Directive 1272/2008. (See sections 2 and 3 for details).

## 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.

### Experience with human exposure

#### Product:

#### General Information

Exposure to component solvent vapours concentration in excess of the stated occupational exposure limit may result in adverse health effects.

Such as: mucous membrane irritation, respiratory system irritation, adverse effects on kidney, liver and central nervous system.  
Symptoms and signs: headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness. Long-term or repeated contact with the product leads to degreasing of the skin and can cause nonallergenic contact skin damage (contact dermatitis) and / or the resorption of substances.

Solvent sprays can cause irritation and reversible damage to the eye.

### Further information

#### Product:

#### Remarks

: The product itself has not been tested. The mixture is classified in accordance with Annex I to EC Directive 1272/2008. (See sections 2 and 3 for details).

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

#### Product:

Toxicity to fish No data available

#### Components:

#### zinc oxide:

Toxicity to fish LC50 (Pimephales promelas (fathead minnow)): 0,5 mg/l  
Exposure time: 96 h  
Test Type: static test

M-Factor (Acute aquatic toxicity) 1

Toxicity to fish (Chronic toxicity) NOEC: 0,08 mg/l  
Exposure time: 21 d  
Species: Oncorhynchus mykiss (rainbow trout)

M-Factor (Chronic aquatic toxicity) 1

#### trizinc bis(orthophosphate):

Toxicity to fish LC50 (Oncorhynchus mykiss (rainbow trout)): 0,33 - 6,06 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other EC50 (Daphnia magna (Water flea)): > 2,34 mg/l

# SÜDWEST Super-Dickschutz UNI

aquatic invertebrates	Exposure time: 48 h
Toxicity to algae/aquatic plants	EC50 (Scenedesmus capricornutum (fresh water algae)): 0,32 mg/l Exposure time: 72 h
M-Factor (Acute aquatic toxicity)	1
M-Factor (Chronic aquatic toxicity)	1
<b>Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:</b>	
Toxicity to fish	LC50 (Lepomis macrochirus (Bluegill sunfish)): 0,97 mg/l Exposure time: 96 h
Toxicity to algae/aquatic plants	EC50 (Desmodesmus subspicatus (green algae)): 1,68 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
M-Factor (Acute aquatic toxicity)	1
Toxicity to microorganisms	EC50 (activated sludge): > 100 mg/l Exposure time: 3 h Method: OECD Test Guideline 209
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	NOEC: 1 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211
M-Factor (Chronic aquatic toxicity)	1

## 12.2 Persistence and degradability

### Product:

Biodegradability No data available

### Components:

#### **Hydrocarbons, C9-C11, n-alkanes, isoalkanes, cyclics, <2% aromatics:**

Biodegradability rapidly degradable  
Biodegradation: 80 %  
Exposure time: 28 d

#### **Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:**

Biodegradability Test Type: aerobic  
not rapidly degradable  
Biodegradation: 38 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F

## 12.3 Bioaccumulative potential

### Product:

Bioaccumulation No data available

### Components:

#### **zinc oxide:**

Bioaccumulation Bioaccumulation is unlikely.

#### **trizinc bis(orthophosphate):**

Bioaccumulation Does not bioaccumulate.

# SÜDWEST Super-Dickschutz UNI

## Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, <2% aromatics:

Partition coefficient: n-  
octanol/water log Pow: > 4

## Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate:

Bioaccumulation Bioaccumulation is unlikely.

### 12.4 Mobility in soil

#### Product:

Mobility 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 Do not use in the direct vicinity of bodies of water. Do not allow the agent or any product residues to enter into waters, the soil or the sewage system.  
Even small quantities emptied into the soil can affect the quality of drinking water.  
Toxic to aquatic life with long lasting effects.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Product The user is responsible for proper coding and marking of any waste. When used as recommended, the waste code can be selected according to the code of the European Waste Catalogue (EWC), category 17.09 "Other Construction and Demolition Waste"  
Partial and residual quantities can be reused.  
Fluid remains constitute hazardous waste and should not be poured into the sewage system. They should be taken to a local waste disposal site.

Contaminated packaging Packaging that is not properly emptied must be disposed of as the unused product.  
Empty packaging should be recycled through disposal systems.

Waste key for the unused product 08 01 11\* waste paint and varnish containing organic solvents or other hazardous substances

(\* ) hazardous waste in terms of the European directive 2008/98/EG

## SECTION 14: TRANSPORT INFORMATION

# SÜDWEST Super-Dickschutz UNI

## 14.1 UN number or ID number

<b>ADR</b>	1263
<b>IMDG</b>	1263
<b>IATA</b>	1263

## 14.2 UN proper shipping name

<b>ADR</b>	PAINT
<b>IMDG</b>	PAINT  (zinc oxide, trizinc bis(orthophosphate))
<b>IATA</b>	Paint

## 14.3 Transport hazard class(es)

<b>ADR</b>	3
<b>IMDG</b>	3
<b>IATA</b>	3

## 14.4 Packing group

<b>ADR</b>	
Packing group	III
Classification Code	F1
Hazard Identification Number	30
Labels	3
Tunnel restriction code	(D/E)
<b>IMDG</b>	
Packaging group	III
Labels	3
EmS number	F-E, <u>S-E</u>
<b>IATA</b>	
Packaging group	III
Labels	3

## 14.5 Environmental hazards

<b>ADR</b>	
Environmentally hazardous	: yes
<b>IMDG</b>	
Marine pollutant	: yes

## 14.6 Special precautions for user

# SÜDWEST Super-Dickschutz UNI

Remarks This information is not available.

## 14.7 Maritime transport in bulk according to IMO instruments

Remarks Not applicable

## Additional advice

ADR ADR: Packages < 5 l: No dangerous goods (ADR 2.2.3.1.5).

IMDG IMDG: Packages < 5 l: No dangerous goods (IMDG 2.3.2.5).

## SECTION 15: REGULATORY INFORMATION

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

VOC  
Directive 2010/75/EU 25,0 %

VOC  
Directive 2004/42/EC 24,8 %  
321,8 g/l

EU limit value for this product (cat. A/i) :500 g/l This product contains max500 g/lVOC.

Regulation (EU) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals Not applicable

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:  
(3)

Other regulations Comply with the statutory regulations on health and safety at work.

Take note of Dir 94/33/EC on the protection of young people at work.  
Take note of Dir 92/85/EEC on the safety and health at work of pregnant workers.

### 15.2 Chemical safety assessment

This information is not available.

**SÜDWEST Super-Dickschutz  
UNI****SECTION 16: OTHER INFORMATION**

Changes from the previous version are indicated by markings in the left-hand margin. The information in this Safety Data Sheet corresponds to our present state of knowledge and conforms to both national and EU legislation. The user's working conditions are, however, beyond our knowledge and control. The user is responsible for complying with all necessary legal requirements. The information in this Safety Data Sheet describes the safety requirements of our product and does not constitute any assurance of product properties.

**Full text of H-Statements**

H226	: Flammable liquid and vapour.
H304	: May be fatal if swallowed and enters airways.
H317	: May cause an allergic skin reaction.
H336	: May cause drowsiness or dizziness.
H361f	: Suspected of damaging fertility.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.
H412	: Harmful to aquatic life with long lasting effects.

**Full text of other abbreviations**

Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Asp. Tox.	: Aspiration hazard
Flam. Liq.	: Flammable liquids
Repr.	: Reproductive toxicity
Skin Sens.	: Skin sensitisation
STOT SE	: Specific target organ toxicity - single exposure

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organisation for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

**Further information**

# SÜDWEST Super-Dickschutz UNI

## Other information

The assessment was carried out in accordance with Article 6 (5) and Appendix I of EC Directive no. 1272/2008.

It is possible in the interim period that you may find different markings on packaging compared to the Material Safety Data Sheet until stocks have been used up. We ask for your understanding in this matter.

Department issuing MSDS  
REG\_EU / EN

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