

SAFETY DATA SHEET

SÜDWEST Additiv R

Ref.	130000006199/D
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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING
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1.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Trade name	SÜDWEST Additiv R
REACH Registration Number	01-2119379499-16-XXXX
Substance name	silicon dioxide
EC-No.	231-545-4

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

Intermediate

Uses advised against This information is not available.

1.3 Details of the supplier of the safety data sheet

SÜDWEST Lacke + Farben GmbH & Co.KG
 Iggelheimer Str. 13
 D - 67459 Böhl-Iggelheim
 Telephone: +49 6324/709-0
 Telefax: +49 6324/709-175
 www.suedwest.de

E-mail address of person responsible for the SDS European Union	sdb@suedwest.de
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1.4 Emergency telephone number European Union	Phone: +44 (0) 1865 407333
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SECTION 2: HAZARDS IDENTIFICATION
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2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture.

Regulation concerning biocidal products (528/2012):

Not relevant

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.

Do not breathe dust.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Substance name : silicon dioxide

EC-No. : 231-545-4

Components

Chemical name	CAS-No. EC-No.	Concentration (% w/w)
Substances with a workplace exposure limit :		
silicon dioxide	7631-86-9 231-545-4	≥ 90 - ≤ 100

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation : Move to fresh air.
If symptoms persist, call a physician.

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Skin contact	Take off contaminated clothing and shoes immediately. Wash off immediately with soap and plenty of water. If symptoms persist, 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. Consult a physician.
Ingestion	Rinse mouth. If conscious, drink plenty of water. Do NOT induce vomiting. Obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	No information available.
Treatment	Treat symptomatically. No information available.

SECTION 5: FIREFIGHTING MEASURES**5.1 Extinguishing media**

Suitable extinguishing media	Not combustible.
Unsuitable extinguishing media	Not applicable

5.2 Special hazards arising from the substance or mixture

Fire may cause evolution of:
Carbon monoxide
Carbon dioxide (CO₂)
Nitrogen oxides (NO_x)
Exposure to decomposition products may be a hazard to health.

5.3 Advice for firefighters

Not applicable

SECTION 6: ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Avoid dust formation.
Use respiratory protective device against the effects of dust.

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

Use mechanical handling equipment.
Moisten and remove.
Use approved industrial vacuum cleaner for removal.
Dispose of contaminated material as waste according to item 13.
Clean contaminated surface thoroughly.

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

SÜDWEST Additiv R**SECTION 7: HANDLING AND STORAGE****7.1 Precautions for safe handling**

Advice on safe handling	Avoid dust formation. Provide sufficient air exchange and/or exhaust in work rooms. Comply with the statutory regulations on health and safety at work.
Hygiene measures	Wash hands before breaks and at the end of workday. When using do not eat, drink or smoke. Avoid contact with the skin and the eyes.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	Store in original container. Keep in a dry place. Keep container tightly closed in a dry and well-ventilated place.
Advice on protection against fire and explosion	Take measures to prevent the build up of electrostatic charge.
Further information on storage conditions	Protect from humidity and water.
Advice on common storage	No materials to be especially mentioned.

7.3 Specific end use(s)

For further information, see also Technical Data Sheet for the product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters****Exposure limit(s)**

Components		CAS-No.
Basis	Type:	Control parameters
silicon dioxide		7631-86-9
2004/37/EC	Long term exposure limit Respirable dust	0,1 mg/m ³
Additional advice:	Carcinogens or mutagens	

The lists that were valid during the creation were used as basis.

8.2 Exposure controls**Appropriate engineering controls**

Provide adequate ventilation.

Individual protection measures, such as personal protective equipment

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a) Eye/face protection	Safety glasses with side-shields conforming to EN166
b) Skin protection Hand protection	Nitrile coated cotton gloves Break through time: 480 min Minimum thickness: 0,8 mm Protective gloves complying with EN 388. e.g. KCL 102 Sahara® Top (Kächele-Cama-Latex GmbH, Hotline: 0049(0)6659-87-300, kcl-uk@kcl.de), or equivalent. After washing hands, replenish lost skin oil by means of oily skin ointment.
Body Protection	Long sleeved clothing
c) Respiratory protection	Avoid inhalation of particles. Compliance with the maximum permissible levels at the workplace is to be ensured by effective dust control measures, e.g. local extraction devices. Where this is not possible, particle-filtering half masks of type FFP2 (tested in accordance with EN 149) are to be used.

Environmental exposure controls

General advice	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.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**9.1 Information on basic physical and chemical properties**

Appearance	powder
Colour	white
Odour	characteristic
Odour Threshold	Not applicable
pH	ca. 4 - 9 (20 °C)
Melting point/freezing point	> 1.700 °C
Initial boiling point and boiling range	> 1.700 °C
Flash point	Not applicable
Evaporation rate	not applicable
Flammability (solid, gas)	The product is not flammable.
Upper explosion limit / Upper	not determined

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flammability limit

Lower explosion limit / Lower
flammability limit not determined

Vapour pressure Not applicable

Density ca. 2,17 - 2,2 g/cm³ (20 °C)

Bulk density ca. 70 - 600 kg/m³ (20 °C)

Solubility(ies)
Water solubility insoluble

Partition coefficient: n-
octanol/water not determined

Auto-ignition temperature not auto-flammable

Decomposition temperature No data available

Viscosity
Viscosity, dynamic not applicable

Explosive properties Not explosive

Oxidizing properties Not applicable

9.2 Other information

Flow time not applicable

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 This information is not available.

10.4 Conditions to avoid

Conditions to avoid Stable under recommended storage and handling conditions
(see section 7).

10.5 Incompatible materials

Materials to avoid No data available

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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.

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

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

Skin corrosion/irritation

Product:

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

Serious eye damage/eye irritation

Product:

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

Respiratory or skin sensitisation

Product:

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

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.

STOT - single exposure

Product:

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

STOT - repeated exposure

Product:

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

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Repeated dose toxicity

Components:

silicon dioxide:

Species	Rat
NOAEL	: 9.000 mg/kg
Application Route	Oral
Exposure time	90 d
Method	OECD Test Guideline 408

Aspiration toxicity

Product:

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

Further information

Product:

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.

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

12.2 Persistence and degradability

Product:

Biodegradability No data available

12.3 Bioaccumulative potential

Product:

Bioaccumulation Does not accumulate in organisms.

Components:

silicon dioxide:

Bioaccumulation Does not accumulate in organisms.

12.4 Mobility in soil

Product:

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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..

Components:

silicon dioxide:

Assessment Not applicable

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 flush into surface water or sanitary sewer system.

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.
If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging Empty packaging should be recycled through disposal systems.

Waste key for the unused product 17 09 04 Mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number or ID number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

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14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

14.6 Special precautions for user

Remarks This information is not available.

14.7 Maritime transport in bulk according to IMO instruments

Remarks Not applicable

SECTION 15: REGULATORY INFORMATION

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

VOC
Directive 2004/42/EC

does not fall under Directive 2004/42/EC

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

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

15.2 Chemical safety assessment

The results of the chemical safety assessment are documented in the safety data sheet.

SECTION 16: OTHER INFORMATION

Changes from the previous version are indicated by markings in the left-hand margin.

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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 other abbreviations

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 Harmonized 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 Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; 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 - Organization 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; TECl - 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

Other information

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

sdb@suedwest.de

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