

SAFETY DATA SHEET

SÜDWEST All-Grund Spray

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SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name SÜDWEST All-Grund Spray

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

Coating compound/ Surface coating/ paint

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

1.4 Emergency telephone number European Union

Phone: +44 (0)1235 239 670

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Aerosols, Category 1

H222: Extremely flammable aerosol.

H229: Pressurised container: May burst if heated.

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Eye irritation, Category 2	H319: Causes serious eye irritation.
Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.
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	Danger	
Hazard statements	H222 H229 H319 H336 H411	Extremely flammable aerosol. Pressurised container: May burst if heated. Causes serious eye irritation. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.
Supplemental Hazard Statements	EUH066	Repeated exposure may cause skin dryness or cracking.
Precautionary statements	P101 P102 Prevention: P210 P211 P251 P260 Storage: P410 + P412 Disposal:	If medical advice is needed, have product container or label at hand. Keep out of reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Do not breathe spray. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

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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:

acetone
Hydrocarbons, C9, aromatics

Additional Labelling:

EUH208

Contains Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate, phthalic anhydride. May produce an allergic reaction.

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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Chemical nature

Lacquer-type paint.
Spraying

Hazardous components

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration (% w/w)
acetone	67-64-1 200-662-2 01-2119471330-49-XXXX	Flam. Liq.2; H225 Eye Irrit.2; H319 STOT SE3; H336	≥ 25 - < 50
propane	74-98-6 200-827-9 01-2119486944-21-XXXX	Flam. Gas1; H220 Press. GasH280 Note U (Table 3)	≥ 10 - < 12,5
butane (containing < 0.1% butadiene (203-450-8))	106-97-8 203-448-7 01-2119474691-32-XXXX	Flam. Gas1; H220 Press. GasH280 Note U (Table 3), Note C	≥ 5 - < 10

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Hydrocarbons, C9, aromatics	64742-95-6 01-2119455851-35- XXXX	Asp. Tox.1; H304 Flam. Liq.3; H226 STOT SE3; H335, H336 Aquatic Chronic2; H411 Note H (Table 3.1), Note P The CAS number is no longer specified in REACH registration, but still serves as identification in other areas.	≥ 5 - < 10
xylene (mixture of isomers)	1330-20-7 215-535-7 01-2119488216-32- XXXX	Flam. Liq.3; H226 Acute Tox.4; H332 Acute Tox.4; H312 Skin Irrit.2; H315 Eye Irrit.2; H319 STOT SE3; H335 STOT RE2; H373 Asp. Tox.1; H304	≥ 2,5 - < 5
isobutane	75-28-5 200-857-2 01-2119485395-27- XXXX	Flam. Gas1; H220 Press. GasH280 Note C	≥ 2,5 - < 5
trizinc bis(orthophosphate)	7779-90-0 231-944-3 01-2119485044-40- XXXX	Aquatic Acute1; H400 Aquatic Chronic1; H410	< 2,5
zinc oxide	1314-13-2 215-222-5 01-2119463881-32- XXXX	Aquatic Acute1; H400 Aquatic Chronic1; H410	≤ 0,5
phthalic anhydride	85-44-9 201-607-5 01-2119457017-41- XXXX	Acute Tox.4; H302 STOT SE3; H335 Skin Irrit.2; H315 Eye Dam.1; H318 Resp. Sens.1; H334 Skin Sens.1; H317	≤ 0,5
Reaction mass of Bis(1,2,2,6,6- pentamethyl-4- piperidyl) sebacate	915-687-0 01-2119491304-40- XXXX	Aquatic Chronic1; H410 Aquatic Acute1; H400	≤ 0,1

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and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate		Skin Sens.1A; H317	
Substances with a workplace exposure limit :			
2-methoxy-1-methylethyl acetate	108-65-6 203-603-9 01-2119475791-29-XXXX	Flam. Liq.3; H226 STOT SE3; H336	≥ 2,5 - < 5

For explanation of abbreviations see section 16.

SECTION 4: FIRST AID MEASURES**4.1 Description of first aid measures**

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

Treatment	Treat symptomatically.
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No information available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media CO₂, 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 (CO₂)
Nitrogen oxides (NO_x)
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 emergency procedures

Remove all sources of ignition.
Ensure adequate ventilation.
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.

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SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling	<p>Comply with the statutory regulations on health and safety at work.</p> <p>Avoid formation of aerosol.</p> <p>Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limit values.</p> <p>The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.</p> <p>All metal parts of the mixing and processing equipment must be earthed.</p> <p>Operators should wear antistatic footwear and clothing. No sparking tools should be used.</p>
Hygiene measures	<p>Do not breathe spray, vapour.</p> <p>Take off immediately all contaminated clothing.</p> <p>Avoid contact with skin, eyes and clothing.</p> <p>Wash hands before breaks and immediately after handling the product.</p> <p>After washing hands, replenish lost skin oil by means of oily skin ointment.</p> <p>When using do not eat, drink or smoke.</p>

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	<p>Store in original container.</p> <p>Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. Nosmoking.</p> <p>Prevent unauthorized access.</p> <p>Containers which are opened must be carefully resealed and kept upright to prevent leakage.</p> <p>Keep in a well-ventilated place.</p> <p>Protect from frost, heat and sunlight.</p>
Advice on protection against fire and explosion	<p>Vapours are heavier than air and may spread along floors.</p> <p>Vapours may form explosive mixtures with air.</p> <p>Keep away from sources of ignition - No smoking.</p> <p>Take measures to prevent the build up of electrostatic charge.</p>
Advice on common storage	<p>Keep away from combustible materials.</p> <p>Keep away from food, drink and animal feedingstuffs.</p> <p>Keep away from oxidizing agents and strongly acid or</p>

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alkaline materials.

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
acetone		67-64-1
2000/39/EC	Limit Value - eight hours	1.210 mg/m ³
2000/39/EC	Limit Value - eight hours	500 ppm
Additional advice:		Indicative
xylene (mixture of isomers)		1330-20-7
2000/39/EC	Limit Value - eight hours	221 mg/m ³
2000/39/EC	Limit Value - eight hours	50 ppm
Additional advice:		Identifies the possibility of significant uptake through the skin Indicative
2000/39/EC	Short term exposure limit	442 mg/m ³
2000/39/EC	Short term exposure limit	100 ppm
Additional advice:		Identifies the possibility of significant uptake through the skin Indicative
2-methoxy-1-methylethyl acetate		108-65-6
2000/39/EC	Short term exposure limit	550 mg/m ³
2000/39/EC	Short term exposure limit	100 ppm
Additional advice:		Identifies the possibility of significant uptake through the skin Indicative
2000/39/EC	Limit Value - eight hours	275 mg/m ³
2000/39/EC	Limit Value - eight hours	50 ppm
Additional advice:		Identifies the possibility of significant uptake through the skin Indicative

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

8.2 Exposure controls**Appropriate engineering controls**

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Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates solvent vapour below the occupational exposure limit values, suitable respiratory protection must be worn. Washing facilities / water for rinsing eyes and skin should be available.

Individual protection measures, such as personal protective equipment

a) Eye/face protection Safety glasses with side-shields conforming to EN166

b) Skin protection
Hand protection Break through time: 60 min
Minimum thickness: 0,7 mm
e.g. KCL 898 "Butoject®" - butyl rubber protective glove -
(Kächele-Cama-Latex GmbH, Hotline: 0049(0)6659-87-300,
kcl-uk@kcl.de) or equal.

Dispose of wetted gloves at the end of the shift!

Skin that comes into contact with the product should be treated with protective cream. After such contact, the product concerned should under no circumstances be used.

The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other.

Body Protection Preventive skin protection
Long sleeved clothing
Personal should wear antistatic clothings made of natural fiber or of high temperature resistant synthetic fiber. All parts of the body should be washed after contact.

c) 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

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

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inform respective authorities.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	aerosol
Colour	various
Odour	characteristic
Odour Threshold	not determined
pH	not determined
Melting point/freezing point	not determined
Initial boiling point and boiling range	Not applicable
Flash point	Not applicable
Evaporation rate	not applicable
Flammability (solid, gas)	Extremely flammable aerosol.
Upper explosion limit / Upper flammability limit	ca. 13 %(V) Upper explosion limit
Lower explosion limit / Lower flammability limit	ca. 1,7 %(V) Lower explosion limit
Vapour pressure	ca. 8.300 hPa (20 °C)
Vapour density	not determined
Density	not determined
Solubility(ies) Water solubility	immiscible
Partition coefficient: n-octanol/water	not determined
Auto-ignition temperature	not auto-flammable
Decomposition temperature	No data available

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Viscosity	
Viscosity, dynamic	No data available
Viscosity, kinematic	No data available
Explosive properties	In use may form flammable/explosive vapour-air mixture.
Oxidizing properties	Not applicable

9.2 Other information

Ignition temperature	ca. 365 °C
Flow time	No data available

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. Risk of bursting. Avoid heating over 50 °C.
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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

Hazardous decomposition products	No decomposition if stored and applied as directed.
Decomposition temperature	No data available

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Product:

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

Acute inhalation toxicity Acute toxicity estimate: > 20 mg/l
Exposure time: 4 h
Test atmosphere: vapour
Method: Calculation method

Acute dermal toxicity Acute toxicity estimate: > 2.000 mg/kg
Method: Calculation method

Components:

xylene (mixture of isomers):

Acute inhalation toxicity LC50 (Rat): 11 mg/l
Exposure time: 4 h
Test atmosphere: vapour

Acute dermal toxicity Harmful in contact with skin.

phthalic anhydride:

Acute oral toxicity LD50 (Rat): 1.530 mg/kg

Skin corrosion/irritation

Product:

Repeated exposure may cause skin dryness or cracking.

Components:

acetone:

Repeated exposure may cause skin dryness or cracking.

Hydrocarbons, C9, aromatics:

Repeated exposure may cause skin dryness or cracking.

xylene (mixture of isomers):

Causes skin irritation.

phthalic anhydride:

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Causes skin irritation.

Serious eye damage/eye irritation

Product:

Causes serious eye irritation.

Components:

acetone:

Causes serious eye irritation.

xylene (mixture of isomers):

Causes serious eye irritation.

phthalic anhydride:

Causes serious eye damage.

Respiratory or skin sensitisation

Product:

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

Components:

phthalic anhydride:

May cause an allergic skin reaction.

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

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

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not met.

Developmental Toxicity

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

STOT - single exposure

Product:

Assessment

May cause drowsiness or dizziness.

Components:

acetone:

Exposure routes

Inhalation

Assessment

May cause drowsiness or dizziness.

Hydrocarbons, C9, aromatics:

Exposure routes

Inhalation

Assessment

May cause respiratory irritation., May cause drowsiness or dizziness.

xylene (mixture of isomers):

Exposure routes

Inhalation

Assessment

May cause respiratory irritation.

phthalic anhydride:

Exposure routes

Inhalation

Assessment

May cause respiratory irritation.

2-methoxy-1-methylethyl acetate:

Assessment

May cause drowsiness or dizziness.

STOT - repeated exposure

Product:

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

Components:

xylene (mixture of isomers):

Assessment

May cause damage to organs through prolonged or repeated exposure.

Aspiration toxicity

Product:

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

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Components:**Hydrocarbons, C9, aromatics:**

May be fatal if swallowed and enters airways.

xylene (mixture of isomers):

May be fatal if swallowed and enters airways.

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:**

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:**Hydrocarbons, C9, aromatics :**

Toxicity to fish

LC50 (Oncorhynchus mykiss (rainbow trout)): 9,22 mg/l
Exposure time: 96 hToxicity to daphnia and
other aquatic invertebratesEC50 (Daphnia magna (Water flea)): 6,14 mg/l
Exposure time: 48 h

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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 aquatic invertebrates EC50 (Daphnia magna (Water flea)): > 2,34 mg/l
Exposure time: 48 h

Toxicity to algae EC50 (Scenedesmus capricornutum (fresh water algae)): 0,32 mg/l
Exposure time: 72 h

M-Factor (Short-term (acute) aquatic hazard) 1

M-Factor (Long-term (chronic) aquatic hazard) 1

zinc oxide :

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

M-Factor (Short-term (acute) aquatic hazard) 1

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

M-Factor (Long-term (chronic) aquatic hazard) 1

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

Toxicity to fish LC50 (Lepomis macrochirus (Bluegill sunfish)): 0,97 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates EC50 (Daphnia magna (Water flea)): 20 mg/l
Exposure time: 24 h
Method: OECD Test Guideline 202

Toxicity to algae EC50 (Desmodesmus subspicatus (green algae)): 1,68 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

M-Factor (Short-term (acute) aquatic hazard) 1

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Toxicity to bacteria 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

12.2 Persistence and degradability

Product:

Biodegradability No data available

Components:

Hydrocarbons, C9, aromatics :

Biodegradability Result: rapidly degradable

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

12.3 Bioaccumulative potential

Product:

Bioaccumulation No data available

Components:

propane :

Partition coefficient: n-
octanol/water log Pow: 2,36

xylene (mixture of isomers) :

Partition coefficient: n-
octanol/water log Pow: > 3

isobutane :

Partition coefficient: n-
octanol/water log Pow: 2,76

trizinc bis(orthophosphate) :

Bioaccumulation Does not bioaccumulate.

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zinc oxide :

Bioaccumulation

Bioaccumulation is unlikely.

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.

2-methoxy-1-methylethyl acetate :Partition coefficient: n-
octanol/water

log Pow: 0,43 (20 °C)

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 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

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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 91/689/EEC

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

ADR 1950

IMDG 1950

IATA 1950

14.2 UN proper shipping name

ADR AEROSOLS

IMDG AEROSOLS

(trizinc bis(orthophosphate), zinc oxide)

IATA Aerosols, flammable

14.3 Transport hazard class(es)

ADR 2.1

IMDG 2.1

IATA 2.1

14.4 Packing group

ADR

Packing group Not Assigned

Classification Code 5F

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Labels 2.1

Tunnel restriction code (D)

IMDG

Labels 2.1

EmS number F-D, S-U

IATA

Labels 2.1

14.5 Environmental hazards

ADR

Environmentally hazardous yes

IMDG

Marine pollutant yes

14.6 Special precautions for user

Remarks This information is not available.

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

Remarks Not applicable

Additional advice

ADR ADR: Up to 1 l per inner package, transport as limited quantity in accordance with ADR 3.4.

IMDG IMDG: Up to 1 l per inner package, transport as limited quantity in accordance with IMDG Code 3.4.

SECTION 15: REGULATORY INFORMATION

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

VOC

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Directive 2010/75/EU 68,9 %

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.
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.

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

H220 : Extremely flammable gas.
H225 : Highly flammable liquid and vapour.
H226 : Flammable liquid and vapour.
H280 : Contains gas under pressure; may explode if heated.

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H302	: Harmful if swallowed.
H304	: May be fatal if swallowed and enters airways.
H312	: Harmful in contact with skin.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H319	: Causes serious eye irritation.
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.
H373	: May cause damage to organs through prolonged or repeated exposure.
H400	: Very toxic to aquatic life.
H410	: Very toxic to aquatic life with long lasting effects.
H411	: Toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Acute	: Short-term (acute) aquatic hazard
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Asp. Tox.	: Aspiration hazard
Eye Dam.	: Serious eye damage
Eye Irrit.	: Eye irritation
Flam. Gas	: Flammable gases
Flam. Liq.	: Flammable liquids
Press. Gas	: Gases under pressure
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

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; 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

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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; 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

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

sdb@suedwest.de

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