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

1.1 Product identifier

RECA S 16 DACHDICHTSTOFF WEISS
Article number: 0898415000

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

1.2.1 Relevant uses

Sealing material

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

Kellner & Kunz AG
Boschstr. 37
4600 Wels / AUSTRIA
Phone 0043-7242-484-0
Fax 0043-7242-484-924
Homepage www.reca.co.at
E-mail info@reca.co.at

Address enquiries to

Technical information info@reca.co.at

Safety Data Sheet sdb@chemiebuero.de

1.4 Emergency telephone number

Advisory body +43 (0) 1 406 43 43 (24h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]

Flam. Liq. 3: H226 Flammable liquid and vapour.
STOT SE 3: H336 May cause drowsiness or dizziness.

2.2 Label elements

The product is required to be labelled in accordance with regulation (EC) No 1272/2008 (CLP).

Hazard pictograms

Signal word WARNING

Contains: n-Butyl acetate

Hazard statements
H226 Flammable liquid and vapour.
H336 May cause drowsiness or dizziness.

Precautionary statements
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/national regulation.

Special labelling EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards

Environmental hazards Does not contain any PBT or vPvB substances.

Other hazards none

SECTION 3: Composition / Information on ingredients

Product-type:

3.2 The product is a mixture.

Range [%]	Substance
25 - <50	Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract)
	CAS: 64742-54-7, EINECS/ELINCS: 265-157-1, EU-INDEX: 649-467-00-8, Reg-No.: 01-2119484627-25-XXXX
	GHS/CLP: Asp. Tox. 1: H304
20 - <30	n-Butyl acetate
	CAS: 123-86-4, EINECS/ELINCS: 204-658-1, EU-INDEX: 607-025-00-1, Reg-No.: 01-2119485493-29-XXXX
	GHS/CLP: Flam. Liq. 3: H226 - STOT SE 3: H336
0,1 - <0,25	Bis-(2,2,6,6,-tetramethyl-4-piperidinyl) sebacate
	CAS: 52829-07-9, EINECS/ELINCS: 258-207-9, Reg-No.: 01-2119537297-32-XXXX
	GHS/CLP: Eye Dam. 1: H318 - Aquatic Acute 1: H400 - Aquatic Chronic 2: H411

Comment on component parts Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information Take off contaminated clothing and wash before reuse.

Inhalation Ensure supply of fresh air.
In the event of symptoms seek medical treatment.

Skin contact When in contact with the skin, clean with soap and water.
Consult a doctor if skin irritation persists.

Eye contact Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Ingestion Get medical advice.
Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

Headache
Irritant effects

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media Foam, dry powder, water spray jet, carbon dioxide.

Extinguishing media that must not be used Full water jet.

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.

5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.
Use self-contained breathing apparatus.

Cool containers at risk with water spray jet.
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from all sources of ignition.
Ensure adequate ventilation.
High risk of slipping due to leakage/spillage of product.

6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g. general-purpose binder).
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use only in well-ventilated areas.
Avoid spilling or spraying in enclosed areas.
Use solvent-resistant equipment.

Keep away from all sources of ignition - Refrain from smoking.
Take precautionary measures against static discharges.
Ground/bond container and receiving equipment.
Use explosion-proofed equipment/fittings and non-sparkling tools.
Vapours can form an explosive mixture with air.

Take off contaminated clothing and wash before reuse.
Do not eat, drink, smoke or take drugs at work.
Wash hands before breaks and after work.
Use barrier skin cream.

7.2 Conditions for safe storage, including any incompatibilities

Provide solvent-resistant and impermeable floor.
Keep only in original container.
Prevent penetration into the ground.

Do not store with combustible materials.
Do not store together with oxidizing agents.

Protect from heat/overheating.
Do not keep at temperatures above 60 °C.
Keep container in a well-ventilated place.
Keep container tightly closed.

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (GB)

Substance
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract)
CAS: 64742-54-7, EINECS/ELINCS: 265-157-1, EU-INDEX: 649-467-00-8, Reg-No.: 01-2119484627-25-XXXX
Long-term exposure: 5 mg/m³, oil mist
Short-term exposure (15-minute): 10 mg/m³
n-Butyl acetate
CAS: 123-86-4, EINECS/ELINCS: 204-658-1, EU-INDEX: 607-025-00-1, Reg-No.: 01-2119485493-29-XXXX
Long-term exposure: 150 ppm, 724 mg/m³
Short-term exposure (15-minute): 200 ppm, 966 mg/m³
Silicon dioxide
CAS: 7631-86-9, EINECS/ELINCS: 231-545-4
Long-term exposure: 6 mg/m³, total inhalable dust

DNEL

Substance
n-Butyl acetate, CAS: 123-86-4
Industrial, inhalative (vapor), Long-term - systemic effects: 300 mg/m³.
Industrial, inhalative (vapor), Long-term - local effects: 300 mg/m³.
Industrial, inhalative (vapor), Acute - local effects: 600 mg/m³.
Industrial, dermal, Long-term - systemic effects: 11 mg/kg bw/day.
Industrial, dermal, Acute - local effects: 11 mg/kg bw/day.
general population, inhalative (vapor), Long-term - local effects: 35,7 mg/m³.
general population, inhalative (vapor), Acute - local effects: 300 mg/m³.
general population, dermal, Long-term - systemic effects: 6 mg/kg bw/day.
general population, dermal, Acute - local effects: 6 mg/kg bw/day.
general population, oral, Long-term - systemic effects: 2 mg/kg bw/day.
general population, oral, Acute - local effects: 2 mg/kg bw/day.
general population, inhalative (vapor), Long-term - systemic effects: 35,7 mg/m³.
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
Industrial, inhalative, Long-term - systemic effects: 2,7 mg/m³.
Industrial, inhalative, Long-term - local effects: 5,6 mg/m³.
Industrial, dermal, Long-term - systemic effects: 1 mg/kg bw/day.
general population, oral, Long-term - systemic effects: 0,74 mg/kg bw/day.
Bis-(2,2,6,6,-tetramethyl-4-piperidinyl) sebacate, CAS: 52829-07-9
Industrial, inhalative, Long-term - systemic effects: 2,82 mg/m³.
Industrial, dermal, Long-term - systemic effects: 1,6 mg/kg bw/day.
Industrial, inhalative, Acute - systemic effects: 2,82 mg/m³.
general population, oral, Long-term - systemic effects: 400 µg/kg bw/day.
general population, dermal, Long-term - systemic effects: 800 µg/kg bw/day.
general population, inhalative, Long-term - systemic effects: 690 µg/m³.

PNEC

Substance
n-Butyl acetate, CAS: 123-86-4
soil, 0,0903 mg/kg.

sediment (seawater), 0,0981 mg/kg.
sediment (freshwater), 0,981 mg/kg.
sewage treatment plants (STP), 35,6 mg/l.
seawater, 0,018 mg/l.
freshwater, 0,18 mg/l.
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
oral (food), 9,33 mg/kg.
Bis-(2,2,6,6,-tetramethyl-4-piperidinyl) sebacate, CAS: 52829-07-9
sediment (seawater), 2,9 mg/kg.
sediment (freshwater), 29 mg/kg.
sewage treatment plants (STP), 1 mg/L.
seawater, 1,88 µg/L.
freshwater, 18,8 µg/L.

8.2 Exposure controls

Additional advice on system design
Ensure adequate ventilation on workstation.
Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.

Eye protection
Safety glasses. (EN 166:2001)

Hand protection
The details concerned are recommendations. Please contact the glove supplier for further information.
In full contact:
0,7 mm Butyl rubber, >480 min (EN 374-1/-2/-3).

Skin protection
Light protective clothing.

Other
Do not inhale gases/vapours/aerosols.
Avoid contact with eyes and skin.
Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.

Respiratory protection
Respiratory protection mask in the event of high concentrations.
Short term: filter apparatus, filter A. (DIN EN 14387)

Thermal hazards
not determined

Delimitation and monitoring of the environmental exposition
Protect the environment by applying appropriate control measures to prevent or limit emissions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	pasty
Color	various
Odor	characteristic
Odour threshold	No information available.
pH-value	No information available.
pH-value [1%]	No information available.
Boiling point [°C]	126
Flash point [°C]	27
Flammability (solid, gas) [°C]	No information available.
Lower explosion limit	1,2 Vol.-%
Upper explosion limit	7,5 Vol.-%
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	0,0015
Density [g/ml]	0,93 (20 °C / 68,0 °F)
Bulk density [kg/m³]	not applicable
Solubility in water	immiscible
Partition coefficient [n-octanol/water]	No information available.
Viscosity	15000 mPas (20°C) > 20,5 mm²/s (40°C)
Relative vapour density determined in air	No information available.
Evaporation speed	No information available.
Melting point [°C]	No information available.
Autoignition temperature [°C]	No information available.
Decomposition temperature [°C]	No information available.

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

See SECTION 10.3.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with oxidizing agents.
Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

10.4 Conditions to avoid

Strong heating.
See SECTION 7.2.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

Flammable gases/vapours.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product
inhalative, Based on the available information, the classification criteria are not fulfilled.:
dermal, Based on the available information, the classification criteria are not fulfilled.:
oral, Based on the available information, the classification criteria are not fulfilled.:

Substance
n-Butyl acetate, CAS: 123-86-4
LD50, dermal, Rabbit: >14112 mg/kg (OECD 402).
LD50, oral, Rat: 10760 mg/kg (OECD 423).
LC50, inhalative, Rat: 23.4 mg/l (4h) (OECD 403).
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
LD50, dermal, Rabbit: > 2000 mg/kg.
LD50, oral, Rat: > 5000 mg/kg.
LC50, dermal, Rat: 2,18 mg/l.
Bis-(2,2,6,6,-tetramethyl-4-piperidinyl) sebacate, CAS: 52829-07-9
LD50, dermal, Rat: > 2000 mg/kg.
LD50, oral, Rat: > 2000 mg/kg.
LC50, inhalative, Rat: 7,7 mg/l (4 h).

Serious eye damage/irritation	Based on the available information, the classification criteria are not fulfilled.
Skin corrosion/irritation	Based on the available information, the classification criteria are not fulfilled.
Respiratory or skin sensitisation	Based on the available information, the classification criteria are not fulfilled.
Specific target organ toxicity — single exposure	Based on the available information, the classification criteria are fulfilled. Vapours may cause drowsiness and dizziness. Calculation method
Specific target organ toxicity — repeated exposure	Based on the available information, the classification criteria are not fulfilled.
Mutagenicity	Based on the available information, the classification criteria are not fulfilled.
Reproduction toxicity	Based on the available information, the classification criteria are not fulfilled.
Carcinogenicity	Based on the available information, the classification criteria are not fulfilled.
Aspiration hazard	Based on the available information, the classification criteria are not fulfilled. v > 20,5 mm²/s (40°C)
General remarks	Frequent persistent contact with the skin can cause skin irritation. Toxicological data of complete product are not available. The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

SECTION 12: Ecological information

12.1 Toxicity

Product
Based on the available information, the classification criteria are not fulfilled.:

Substance
n-Butyl acetate, CAS: 123-86-4
LC50, (96h), Pimephales promelas: 18 mg/l (OECD 203).
EC50, (72h), Desmodesmus subspicatus: 647.7 mg/l.
EC50, (48h), Daphnia magna: 44 mg/l.
IC50, Bacteria: 356 mg/l (40 h).
NOEC, Desmodesmus subspicatus: 200 mg/l.
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
EL50, (24h), Daphnia magna: > 10000 mg/l.
NOELR, (14d), Oncorhynchus mykiss: >= 1000 mg/l.
LL50, (96h), Pimephales promelas: >100 mg/l.
NOEL, (72h), Pseudokirchneriella subcapitata: >= 100 mg/l.
NOEL, (21d), Daphnia magna: 10 mg/l.
Bis-(2,2,6,6,-tetramethyl-4-piperidinyl) sebacate, CAS: 52829-07-9
LC50, (48h), Invertebrates: 8,58 mg/L.
LC50, (96h), fish: 4.4 mg/L.
EC50, (72h), Algae: 705 - 1900 µg/L.

12.2 Persistence and degradability

Behaviour in environment compartments	No information available.
Behaviour in sewage plant	No information available.
Biological degradability	No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

not applicable

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Other adverse effects

Ecological data of complete product are not available.
Do not discharge product unmonitored into the environment.
The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material c It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Dispose of as hazardous waste.
Coordinate disposal with the authorities if necessary.

Waste no. (recommended) 080409*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.
Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended) 150110*

SECTION 14: Transport information

14.1 UN number

Transport by land according to ADR/RID 1133

Inland navigation (ADN) 1133

Marine transport in accordance with IMDG 1133

Air transport in accordance with IATA 1133

14.2 UN proper shipping name

Transport by land according to ADR/RID Adhesives (No dangerous goods, according ADR 2.2.3.1.5 to max. 450 l)

- Classification Code F1

- Label

- ADR 1.1.3.6 (8.6) Transport category (tunnel restriction code) 3 (D/E)

Inland navigation (ADN) Adhesives (No dangerous goods, according ADR 2.2.3.1.5 to max. 450 l)

- Classification Code F1

- Label

Marine transport in accordance with IMDG Adhesives (No dangerous goods, according IMDG 2.3.2.5 to max. 30 l (see 5.4.1.5.10))

- EMS F-E, S-D

- Label

- IMDG LQ 5 l

Air transport in accordance with IATA Adhesives

- Label

14.3 Transport hazard class(es)

Transport by land according to ADR/RID	3
Inland navigation (ADN)	3
Marine transport in accordance with IMDG	3
Air transport in accordance with IATA	3

14.4 Packing group

Transport by land according to ADR/RID	III
Inland navigation (ADN)	III
Marine transport in accordance with IMDG	III
Air transport in accordance with IATA	III

14.5 Environmental hazards

Transport by land according to ADR/RID	no
Inland navigation (ADN)	no
Marine transport in accordance with IMDG	no
Air transport in accordance with IATA	no

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

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

not determined

SECTION 15: Regulatory information

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

EEC-REGULATIONS	1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2016/2037/EC); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014
TRANSPORT-REGULATIONS	ADR (2019); IMDG-Code (2019, 39. Amdt.); IATA-DGR (2019)
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits (Second edition, published December 2011).
- Observe employment restrictions for people	Observe employment restrictions for young people.
- VOC (2010/75/CE)	ca. 24%

15.2 Chemical safety assessment

not applicable

SECTION 16: Other information

16.1 Hazard statements (SECTION 03)

H411 Toxic to aquatic life with long lasting effects.
H400 Very toxic to aquatic life.
H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.

16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ATE = acute toxicity estimate
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified Chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform ChemicaL Information Database
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
STP = Sewage Treatment Plant
TLV®/TWA = Threshold limit value – time-weighted average
TLV®STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

16.3 Other information

Customs Tariff 32141010

Classification procedure Flam. Liq. 3: H226 Flammable liquid and vapour. (On basis of test data)
STOT SE 3: H336 May cause drowsiness or dizziness. (Calculation method)

Modified position none