

Ramsauer GmbH & Co KG
4822 Bad Goisern / H.

Date printed 08.02.2021, Revision 08.02.2021

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

1.1 Product identifier

Oberflächenreiniger 502

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

1.2.1 Relevant uses

Cleaning agent

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

Ramsauer GmbH & Co KG
Sarstein 17
4822 Bad Goisern / H. / AUSTRIA
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Address enquiries to

Technical information

office@ramsauer.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: H335 May cause respiratory irritation.
Asp. Tox. 1: H304 May be fatal if swallowed and enters airways.
STOT SE 3: H336 May cause drowsiness or dizziness.
Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements

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

Hazard pictograms



Signal word

DANGER

Contains:

Hydrocarbons, C9, aromatics

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

Hazard statements

H226 Flammable liquid and vapour.
H335 May cause respiratory irritation.
H304 May be fatal if swallowed and enters airways.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273 Avoid release to the environment.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER / doctor / ...
P331 Do NOT induce vomiting.
P501 Dispose of contents/container in accordance with local/national regulation.

Special labelling

EUH066 Repeated exposure may cause skin dryness or cracking.

Cleaner, 648/2004/CE, contains:

>=30% hydrocarbons aliphatic/aromatic

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2.3 Other hazards

Human health dangers	If swallowed or in the event of vomiting, risk of product entering the lungs.
Environmental hazards	Does not contain any PBT or vPvB substances.
Other hazards	Contains no ingredients with endocrine-disrupting properties.

SECTION 3: Composition / Information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

The product is a mixture.

Range [%]	Substance
40 - <60	Hydrocarbons, C9, aromatics EINECS/ELINCS: 918-668-5, Reg-No.: 01-2119455851-35-XXXX GHS/CLP: Flam. Liq. 3: H226 - Asp. Tox. 1: H304 - STOT SE 3: H335 - STOT SE 3: H336 - Aquatic Chronic 2: H411
30 - <50	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics EINECS/ELINCS: 918-481-9, Reg-No.: 01-2119457273-39-XXXX GHS/CLP: Asp. Tox. 1: H304

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.
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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	In case of contact with skin wash off immediately 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	Seek medical advice immediately. 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
Nausea, vomiting.
Vertigo

4.3 Indication of any immediate medical attention and special treatment needed

If swallowed or in the event of vomiting, risk of product entering the lungs.

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.

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5.2 Special hazards arising from the substance or mixture

In the event of fire the following can be released:

Carbon monoxide (CO)

Not combusted hydrocarbons.

5.3 Advice for firefighters

Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

Cool containers at risk with water spray jet.

Collect contaminated firefighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Keep away from all sources of ignition.

Ensure adequate ventilation.

Use personal protective equipment (protective gloves, safety glasses, protective clothing).

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.

In case the product spills into drains/surface waters/groundwater, immediately inform the authorities.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g. sand).

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 solvent-resistant equipment.

Provide good room ventilation even at ground level (vapours are heavier than air).

Keep away from all sources of ignition - Refrain from smoking.

Take precautionary measures against static discharges.

Ignitable mixtures can be formed in the empty container.

Vapours can form an explosive mixture with air.

Use explosion-proofed equipment/fittings and non-sparking tools.

Ground/bond container and receiving equipment.

Do not eat, drink, smoke or take drugs at work.

Take off contaminated clothing and wash before reuse.

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.

Provide floor with bunding.

Do not store together with oxidizing agents.

Keep container tightly closed.

Keep container in a well-ventilated place.

Protect from heat/overheating.

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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
Hydrocarbons, C9, aromatics
EINECS/ELINCS: 918-668-5, Reg-No.: 01-2119455851-35-XXXX
Long-term exposure: 100 mg/m ³
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics
EINECS/ELINCS: 918-481-9, Reg-No.: 01-2119457273-39-XXXX
Long-term exposure: 184 ppm, 1200 mg/m ³ , ExxonMobil

DNEL

Substance
Hydrocarbons, C9, aromatics, CAS: 64742-95-6
Industrial, inhalative (vapor), Long-term - systemic effects, 150 mg/m ³ ,
Industrial, dermal, Long-term - systemic effects, 25 mg/kg bw/day,
general population, oral, Long-term - systemic effects, 11 mg/kg bw/day,
general population, dermal, Long-term - systemic effects, 11 mg/kg bw/day,
general population, inhalative (vapor), Long-term - systemic effects, 32 mg/m ³ ,

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	0,7 mm Viton, >480 min (EN 374-1/-2/-3). The details concerned are recommendations. Please contact the glove supplier for further information.
Skin protection	Protective clothing (EN 340)
Other	Avoid contact with eyes and skin. Do not inhale gases/vapours. 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	In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection. Short term: filter apparatus, filter A. (DIN EN 14387)
Thermal hazards	no
Delimitation and monitoring of the environmental exposition	Protect the environment by applying appropriate control measures to prevent or limit emissions.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Color	colourless
Odor	characteristic
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	> 155
Flash point [°C]	> 41
Flammability (solid, gas) [°C]	> 200
Lower explosion limit	ca. 0,6 Vol.-%
Upper explosion limit	ca. 7,0 Vol.-%
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	ca. 0,2 (20°C)
Density [g/ml]	ca. 0,83
Bulk density [kg/m³]	not applicable
Solubility in water	virtually insoluble
Solubility other solvents	No information available.
Partition coefficient [n-octanol/water]	not determined
Kinematic viscosity	< 7 mm²/s (40 °C)
Relative vapour density	not determined
Evaporation speed	not determined
Melting point [°C]	not determined
Auto-ignition temperature	not applicable
Decomposition temperature [°C]	not determined
Particle characteristics	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

Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.
Uncleaned empty vessels may contain product gases which can form explosive mixtures with air.
Violent reaction under influence of oxidising agents.

10.4 Conditions to avoid

See SECTION 7
Strong heating.

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10.5 Incompatible materials

Strong oxidizing agent.

10.6 Hazardous decomposition products

Flammable gases/vapours.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

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

Product
oral, Based on the available information, the classification criteria are not fulfilled.,
Substance
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics, CAS: 64742-48-9
LD50, oral, Rat, > 5000 mg/kg bw (OECD 401),
Hydrocarbons, C9, aromatics, CAS: 64742-95-6
LD50, oral, Rat, 3592 mg/kg bw, OECD 401,

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

Product
dermal, Based on the available information, the classification criteria are not fulfilled.,
Substance
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics, CAS: 64742-48-9
LD50, dermal, Rabbit, > 5000 mg/kg bw (OECD 402),
Hydrocarbons, C9, aromatics, CAS: 64742-95-6
LD50, dermal, Rabbit, 3160 mg/kg bw, OECD 402, 24h,

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

Product
inhalative, Based on the available information, the classification criteria are not fulfilled.,
Substance
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics, CAS: 64742-48-9
LC50, inhalative, Rat, > 4951 mg/m ³ (4 h) (OECD 403),
Hydrocarbons, C9, aromatics, CAS: 64742-95-6
LC50, inhalative, Rat, 6193 mg/L, OECD 403, 4h,

Serious eye damage/irritation Does not contain a relevant substance that meets the classification criteria.

Skin corrosion/irritation Does not contain a relevant substance that meets the classification criteria.

Substance
Hydrocarbons, C9, aromatics, CAS: 64742-95-6
Rabbit, OECD 404, nicht reizend,

Respiratory or skin sensitisation Does not contain a relevant substance that meets the classification criteria.

Specific target organ toxicity — single exposure Based on the available information, the classification criteria are fulfilled.
Toxicological data of complete product are not available.
May cause respiratory irritation.
Vapours may cause drowsiness and dizziness.
Calculation method

Specific target organ toxicity — repeated exposure Does not contain a relevant substance that meets the classification criteria.

Mutagenicity Does not contain a relevant substance that meets the classification criteria.

Reproduction toxicity Does not contain a relevant substance that meets the classification criteria.

Carcinogenicity Does not contain a relevant substance that meets the classification criteria.

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Aspiration hazard

Based on the available information, the classification criteria are fulfilled.
 $v < 20,5 \text{ mm}^2/\text{s}$ (40 °C)
May be fatal if swallowed and enters airways.

General remarks

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

Substance
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics, CAS: 64742-48-9
EL0, (72h), Pseudokirchneriella subcapitata, 1000 mg/l (Lit.),
EL0, (48h), Daphnia magna, 1000 mg/l (Lit.),
LL0, (96h), Oncorhynchus mykiss, 1000 mg/l (Lit.),
Hydrocarbons, C9, aromatics, CAS: 64742-95-6
LC50, (96h), Oncorhynchus mykiss, 9,22 mg/L (IUCLID),
EC50, (72h), Selenastrum capricornutum, 56 mg/L (IUCLID),
EC50, (48h), Daphnia magna, 6,14 mg/L (IUCLID),

12.2 Persistence and degradability

Behaviour in environment compartments

not determined

Behaviour in sewage plant

not determined

Biological degradability

No surfactants are contained.
The product is readily biodegradable.

12.3 Bioaccumulative potential

not determined

12.4 Mobility in soil

not determined

12.5 Results of PBT and vPvB assessment

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

12.6 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

12.7 Other adverse effects

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

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. 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.
Disposal in an incineration plant in accordance with the regulations of the local authorities.

Waste no. (recommended) 200113*

Contaminated packaging

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

Waste no. (recommended) 150110* packaging containing residues of or contaminated by hazardous substances

SECTION 14: Transport information

14.1 UN number

Transport by land according to ADR/RID 3295

Inland navigation (ADN) 3295

Marine transport in accordance with IMDG 3295

Air transport in accordance with IATA 3295

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14.2 UN proper shipping name

Transport by land according to ADR/RID Hydrocarbons, liquid, n.o.s (Hydrocarbons, C9, aromatics)

- Classification Code

F1

- Label



- ADR LQ

5 I

- ADR 1.1.3.6 (8.6)

Transport category (tunnel restriction code) 3 (E)

Inland navigation (ADN)

Hydrocarbons, liquid, n.o.s (Hydrocarbons, C9, aromatics)

- Classification Code

F1

- Label



Marine transport in accordance with IMDG

Hydrocarbons, liquid, n.o.s. (Hydrocarbons, C9, aromatics)

- EMS

F-E, S-D

- Label



- IMDG LQ

5 I

Air transport in accordance with IATA

Hydrocarbons, liquid, n.o.s. (Hydrocarbons, C9, aromatics)

- Label



14.3 Transport hazard class(es)

Transport by land according to ADR/RID

3 (N)

Inland navigation (ADN)

3 (N)

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

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14.5 Environmental hazards

Transport by land according to ADR/RID yes

Inland navigation (ADN) yes

Marine transport in accordance with IMDG MARINE POLLUTANT

Air transport in accordance with IATA yes

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 applicable

SECTION 15: Regulatory information

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

EEC-REGULATIONS 2008/98/EC 2000/532/EC; 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014

TRANSPORT-REGULATIONS ADR (2021); IMDG-Code (2021, 40. Amdt.); IATA-DGR (2021)

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) 100 %

15.2 Chemical safety assessment

not applicable

SECTION 16: Other information

16.1 Hazard statements (SECTION 3)

H411 Toxic to aquatic life with long lasting effects.
H336 May cause drowsiness or dizziness.
H335 May cause respiratory irritation.
H304 May be fatal if swallowed and enters airways.
H226 Flammable liquid and vapour.

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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
 EL50 = Median effective loading
 ELINCS = European List of Notified Chemical Substances
 EmS = Emergency Schedules
 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
 IVIS = In vitro irritation score
 LC50 = Lethal concentration, 50%
 LD50 = Median lethal dose
 LC0 = lethal concentration, 0%
 LOAEL = lowest-observed-adverse-effect level
 LL50 = Median lethal loading
 LQ = Limited Quantities
 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**Classification procedure**

Flam. Liq. 3: H226 Flammable liquid and vapour. (On basis of test data)
 STOT SE 3: H335 May cause respiratory irritation. (Calculation method)
 Asp. Tox. 1: H304 May be fatal if swallowed and enters airways. (On basis of test data)
 STOT SE 3: H336 May cause drowsiness or dizziness. (Calculation method)
 Aquatic Chronic 2: H411 Toxic to aquatic life with long lasting effects. (Calculation method)

Modified position

SECTION 2 been added: Contains no ingredients with endocrine-disrupting properties.
 SECTION 6 been added: Use personal protective equipment (protective gloves, safety glasses, protective clothing).
 SECTION 8 been added: In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection.
 SECTION 11 been added: Based on available data, the classification criteria are not met.
 SECTION 11 been added: Based on available data, the classification criteria are not met.
 SECTION 11 been added: Based on available data, the classification criteria are not met.
 SECTION 12 been added: Contains no ingredients with endocrine-disrupting properties.

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