



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 27.02.2020

Version number 1.0

Revision: 27.02.2020

* **1 Identification of the substance/mixture and of the company/undertaking**

- **Product identifier**
- **Trade name:** Racoon MATT SHIELD - Versiegelung für matte Lacke
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Sealing
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Racoon Cleaning Products UG Haftungsbeschränkt
Kaiserstrasse 44
D - 66121 Saarbrücken
Tel. + 49 (0) 681 765 907 30
Mail info@racoon-cleaner.com
www.racoon-cleaner.com
- **Emergency telephone number:** Gift Notruf Uni Mainz +49 6131-19240

2 Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS05 corrosion

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

Skin Irrit. 2 H315 Causes skin irritation.

STOT SE 3 H336 May cause drowsiness or dizziness.

- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS02 GHS05 GHS07

- **Signal word** Danger

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- *Hazard-determining components of labelling:*
 - 3-aminopropyltriethoxysilane
 - n-butyl acetate
- *Hazard statements*
 - H225 Highly flammable liquid and vapour.
 - H315 Causes skin irritation.
 - H318 Causes serious eye damage.
 - H336 May cause drowsiness or dizziness.
- *Precautionary statements*
 - P101 If medical advice is needed, have product container or label at hand.
 - P102 Keep out of reach of children.
 - P103 Read label before use.
 - P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 - P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P310 Immediately call a POISON CENTER/doctor.
 - P321 Specific treatment (see on this label).
 - P362+P364 Take off contaminated clothing and wash it before reuse.
 - P405 Store locked up.
 - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- **Other hazards**
- **Results of PBT and vPvB assessment**
- *PBT:* Not applicable.
- *vPvB:* Not applicable.

3 Composition/information on ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.
- **Dangerous components:**

| | | |
|-------------------|--------------------------------------------------------------------------------------------------------------|--------|
| CAS: 108-65-6 | 2-methoxy-1-methylethyl acetate | 10-30% |
| EINECS: 203-603-9 | Flam. Liq. 3, H226 | |
| CAS: 123-86-4 | n-butyl acetate | 10-30% |
| EINECS: 204-658-1 | Flam. Liq. 3, H226; STOT SE 3, H336 | |
| CAS: 1330-20-7 | xylene | <10% |
| EINECS: 215-535-7 | Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315 | |
| CAS: 919-30-2 | 3-aminopropyltriethoxysilane | <5% |
| EINECS: 213-048-4 | Skin Corr. 1B, H314; Acute Tox. 4, H302 | |
| CAS: 108-88-3 | toluene | <0.5% |
| EINECS: 203-625-9 | Flam. Liq. 2, H225; Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336 | |
- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

4 First aid measures

- **Description of first aid measures**
- **General information:** Immediately remove any clothing soiled by the product.
- **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:** If symptoms persist consult doctor.

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- **Information for doctor:**
- *Most important symptoms and effects, both acute and delayed* No further relevant information available.
- *Indication of any immediate medical attention and special treatment needed*
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7 Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- *Requirements to be met by storerooms and receptacles:* Store in a cool location.
- *Information about storage in one common storage facility:* Not required.
- *Further information about storage conditions:*
Keep container tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
- **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

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- **Control parameters**

- ***Ingredients with limit values that require monitoring at the workplace:***

- 108-65-6 2-methoxy-1-methylethyl acetate**

- WEL Short-term value: 548 mg/m³, 100 ppm

- Long-term value: 274 mg/m³, 50 ppm

- Sk

- 123-86-4 n-butyl acetate**

- WEL Short-term value: 966 mg/m³, 200 ppm

- Long-term value: 724 mg/m³, 150 ppm

- 1330-20-7 xylene**

- WEL Short-term value: 441 mg/m³, 100 ppm

- Long-term value: 220 mg/m³, 50 ppm

- Sk; BMGV

- 108-88-3 toluene**

- WEL Short-term value: 384 mg/m³, 100 ppm

- Long-term value: 191 mg/m³, 50 ppm

- Sk

- ***Ingredients with biological limit values:***

- 1330-20-7 xylene**

- BMGV 650 mmol/mol creatinine

- Medium: urine

- Sampling time: post shift

- Parameter: methyl hippuric acid

- ***Additional information:*** The lists valid during the making were used as basis.

- **Exposure controls**

- ***Personal protective equipment:***

- ***General protective and hygienic measures:***

- Keep away from foodstuffs, beverages and feed.

- Immediately remove all soiled and contaminated clothing

- Wash hands before breaks and at the end of work.

- Avoid contact with the skin.

- Avoid contact with the eyes and skin.

- ***Respiratory protection:***

- In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

- ***Protection of hands:***



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- ***Material of gloves***

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- ***Penetration time of glove material***

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· Eye protection:



Tightly sealed goggles

9 Physical and chemical properties

· Information on basic physical and chemical properties

· General Information

· Appearance:

| | |
|--------------------|-----------------|
| Form: | Fluid |
| Colour: | Colourless |
| · Odour: | Like alcohol |
| · Odour threshold: | Not determined. |

· **pH-value:** Not determined.

· Change in condition

| | |
|------------------------------------------|---------------|
| Melting point/freezing point: | Undetermined. |
| Initial boiling point and boiling range: | 124-128 °C |

· **Flash point:** 16 °C

· **Flammability (solid, gas):** Not applicable.

· **Ignition temperature:** 315 °C

· **Decomposition temperature:** Not determined.

· **Auto-ignition temperature:** Product is not selfigniting.

· **Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

· Explosion limits:

| | |
|--------|------------|
| Lower: | 1.2 Vol % |
| Upper: | 10.8 Vol % |

· **Vapour pressure at 20 °C:** 10.7 hPa

· **Density:** Not determined.

· **Relative density** Not determined.

· **Vapour density** Not determined.

· **Evaporation rate** Not determined.

· Solubility in / Miscibility with

water: Fully miscible.

· **Partition coefficient: n-octanol/water:** Not determined.

· Viscosity:

| | |
|------------|-----------------|
| Dynamic: | Not determined. |
| Kinematic: | Not determined. |

· Solvent content:

| | |
|-------------------|--------------|
| Organic solvents: | 30.5-<70.5 % |
| VOC (EC) | 30.5-<70.5 % |

Solids content: 0.0 %

· **Other information** No further relevant information available.

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10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- *Thermal decomposition / conditions to be avoided:* No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- *LD/LC50 values relevant for classification:*

ATE (Acute Toxicity Estimates)

| | | |
|------------|-----------|------------------------|
| Oral | LD50 | >35,600 mg/kg (rat) |
| Dermal | LD50 | >20,000 mg/kg (rabbit) |
| Inhalative | LC50 (4h) | >110 mg/l |

108-65-6 2-methoxy-1-methylethyl acetate

| | | |
|------------|-----------|-------------------|
| Oral | LD50 | 8,532 mg/kg (rat) |
| Inhalative | LC50 (4h) | 35.7 mg/l (rat) |

123-86-4 n-butyl acetate

| | | |
|------------|-----------|-----------------------|
| Oral | LD50 | 13,100 mg/kg (rat) |
| Dermal | LD50 | >5,000 mg/kg (rabbit) |
| Inhalative | LC50 (4h) | >21 mg/l (rat) |

1330-20-7 xylene

| | | |
|--------|------|----------------------|
| Oral | LD50 | 4,300 mg/kg (rat) |
| Dermal | LD50 | 2,000 mg/kg (rabbit) |

919-30-2 3-aminopropyltriethoxysilane

| | | |
|--------|------|----------------------|
| Oral | LD50 | 1,780 mg/kg (rat) |
| Dermal | LD50 | 4,000 mg/kg (rabbit) |

108-88-3 toluene

| | | |
|------------|-----------|-----------------------|
| Oral | LD50 | 5,000 mg/kg (rat) |
| Dermal | LD50 | 12,124 mg/kg (rabbit) |
| Inhalative | LC50 (4h) | 5,320 mg/l (mouse) |

- *Primary irritant effect:*
- *Skin corrosion/irritation*
Causes skin irritation.
- *Serious eye damage/irritation*
Causes serious eye damage.
- *Respiratory or skin sensitisation* Based on available data, the classification criteria are not met.
- *CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)*
- *Germ cell mutagenicity* Based on available data, the classification criteria are not met.
- *Carcinogenicity* Based on available data, the classification criteria are not met.
- *Reproductive toxicity* Based on available data, the classification criteria are not met.
- *STOT-single exposure*
May cause drowsiness or dizziness.
- *STOT-repeated exposure* Based on available data, the classification criteria are not met.
- *Aspiration hazard* Based on available data, the classification criteria are not met.

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12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
 Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
 Do not allow product to reach ground water, water course or sewage system.
 Must not reach sewage water or drainage ditch undiluted or unneutralised.
 Danger to drinking water if even small quantities leak into the ground.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
 Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **European waste catalogue**
 HP3 Flammable
 HP5 Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

- **UN-Number**
- **ADR, IMDG, IATA** UN2924
- **UN proper shipping name**
- **ADR** 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (BUTYL ACETATES, 2-methoxy-1-methylethyl acetate)
 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (BUTYL ACETATES, 2-methoxy-1-methylethyl acetate)
- **IMDG, IATA**
- **Transport hazard class(es)**
- **ADR**



- **Class** 3 Flammable liquids.

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· *Label* 3+8

· **IMDG**



· *Class* 3 Flammable liquids.
 · *Label* 3/8

· **IATA**



· *Class* 3 Flammable liquids.
 · *Label* 3 (8)

· **Packing group**

· **ADR, IMDG, IATA** II

· **Environmental hazards:** Not applicable.

· **Special precautions for user** Warning: Flammable liquids.

· *Hazard identification number (Kemler code):* 38

· *EMS Number:* F-E, S-C

· *Stowage Category* E

· *Stowage Code* SW2 Clear of living quarters.

· **Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

· **Transport/Additional information:**

· **ADR**

· *Limited quantities (LQ)* 1L

· *Excepted quantities (EQ)* Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· *Transport category* 2

· *Tunnel restriction code* D/E

· **IMDG**

· *Limited quantities (LQ)* 1L

· *Excepted quantities (EQ)* Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· **UN "Model Regulation":** UN 2924 FLAMMABLE LIQUID, CORROSIVE, N.O.S. (BUTYL ACETATES, 2-METHOXY-1-METHYLETHYL ACETATE), 3 (8), II

15 Regulatory information

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

· **Directive 2012/18/EU**

· *Named dangerous substances - ANNEX I* None of the ingredients is listed.

· *Seveso category* P5c FLAMMABLE LIQUIDS

· *Qualifying quantity (tonnes) for the application of lower-tier requirements* 5,000 t

· *Qualifying quantity (tonnes) for the application of upper-tier requirements* 50,000 t

· *REGULATION (EC) No 1907/2006 ANNEX XVII* Conditions of restriction: 3

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- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

* 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H332 Harmful if inhaled.
- H336 May cause drowsiness or dizziness.
- H361d Suspected of damaging the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.

- **Contact:** MSDS authorized Person

- **Abbreviations and acronyms:**

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- VOC: Volatile Organic Compounds (USA, EU)
- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Flam. Liq. 2: Flammable liquids – Category 2
- Flam. Liq. 3: Flammable liquids – Category 3
- Acute Tox. 4: Acute toxicity - dermal – Category 4
- Skin Corr. 1B: Skin corrosion/irritation – Category 1B
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- Repr. 2: Reproductive toxicity – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
- Asp. Tox. 1: Aspiration hazard – Category 1

- *** Data compared to the previous version altered.**

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