

SAFETY DATA SHEET

Date of issue 09/02/2017
Updated 25/05/2018
Replaces the release of 09/02/2017
Trade name Item-No. 500908113 Carson Paint Killer – Paint Remover 100 ml
Manufacturer/Distributor TAMIYA-CARSON Modellbau GmbH & Co. KG, D-90765 Fürth
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**SECTION 1 Identification of the substance/mixture and of the company/undertaking**

- 1.1 Product identifier**
Carson Paint Killer – Paint Remover 100 ml
- 1.2 Relevant identified uses of the substance or mixture and uses advised against**
Use is explained by the product identifier.
- 1.3 Details of the supplier of the safety data sheet**
- | | |
|--------------------------|---------------------------------------|
| Manufacturer/Distributor | TAMIYA-CARSON Modellbau GmbH & Co. KG |
| Address/POB | Werkstraße 1 |
| IVR/ZIP/Place | D-90765 Fürth |
| E-mail | tamiya@tamiya.de |
| Telephone | +49 (0) 911 – 9765-03 |
| Fax | +49 (0) 911 – 9765-285 |
| Department of MSDS | info@chemieberatung.com |
- 1.4 Emergency telephone number**
- | | |
|---|--------------------|
| Poison centre Munich | +49 (0) 89 – 19240 |
| Information centre for poisoning Berlin | +49 (0) 30 – 19240 |

SECTION 2 Hazards identification

- 2.1 Classification of the substance or mixture**
Flammable liquids, Hazard Category 2 (H225)
Specific target organ toxicity — Single exposure, Hazard Category 3, Narcosis (H336)
- 2.2 Label elements**

Signal word ***Danger*****Hazard statements**

H225 Highly flammable liquid and vapour.
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.
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241 Use explosion-proof electrical equipment.
P261 Avoid breathing vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear eye protection (safety goggles).
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Name of the ingredient(s) given on the warning label

Not necessary.

- 2.3 Other hazards**
Unknown.

SECTION 3 Composition/information on ingredients

- 3.1 Substances**
This product is a mixture.
- 3.2 Mixtures**
Mixture of solvents.

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Hazardous ingredients

1-Methoxypropan-2-ol
EC No 203-539-1 CAS No 107-98-2
Content 70 – 90 %
Classification codes Flam. Liq. 3; H226 – STOT SE 3; H336
There are Union exposure limit values for this substance in the workplace (see section 8).

Ethyl acetate
EC No 205-500-4 CAS No 141-78-6
Content 1 – < 10 %
Classification codes Flam. Liq. 2; H225 – Eye Irrit. 2; H319 – STOT SE 3; H336 – EUH066
There are Union exposure limit values for this substance in the workplace (see section 8).

The wording of the classification codes can be found in section 16.

SECTION 4 First aid measures

4.1 Description of first aid measures

General advice Consult a physician. Show the attending physician this safety data sheet.

If inhaled Remove the person to fresh air, in case of indisposition obtain medical advice.

Skin contact Generally the product does not irritate the skin.

Eye contact Spreading the eyelids, rinse thoroughly under running water for several minutes, obtain medical advice.

If swallowed If symptoms persist, consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Spray jet, solid extinguishing agent, CO₂, foam resistant to alcohol.

Unsuitable extinguishing media

Full water jet.

5.2 Special hazards arising from the substance or mixture

Thermal decomposition to carbon monoxide and organic cracked products.

5.3 Advice for firefighters

Tightly closing fireproof clothing and oxygen apparatus.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Keep away unprotected persons.

6.2 Environmental precautions

Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents.

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6.4 Reference to other sections

Information on safe handling, see section 7.
Information on personal protection equipment, see section 8.
Information on disposal, see section 13.

SECTION 7 Handling and storage**7.1 Precautions for safe handling**

No special precautions are necessary if used correctly.

Information on fire protection and explosion control

Keep away from ignition sources – do not smoke. Take precautionary measures against static discharge.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end uses

No further relevant information available.

SECTION 8 Exposure controls/personal protection**8.1 Control parameters****Component with workplace exposure limits according to (EU) 2017/164**

Ethyl acetate
EC No 205-500-4 CAS No 141-78-6
Limit value (8 h) 734 mg/m³ – 200 ppm
Limit value (15 min.) 1,468 mg/m³ – 400 ppm
Notation No notation.

Component with workplace exposure limits according to 2000/39/EC

1-Methoxypropan-2-ol
EC No 203-539-1 CAS No 107-98-2
Limit value (8 h) 375 mg/m³ – 100 ppm
Limit value (15 min.) 568 mg/m³ – 150 ppm
Notation Risk of absorption by skin.

Components with workplace exposure limits according to TRGS 900 (Germany)

1-Methoxypropan-2-ol
EC No 203-539-1 CAS No 107-98-2
AGW 100 ml/m³ (ppm) – 370 mg/m³
Peak limit
Factor of exceeding 2(l)
Remarks DFG, EU, Y

Ethyl acetate
EC No 205-500-4 CAS No 141-78-6
AGW 200 ml/m³ (ppm) – 730 mg/m³
Peak limit
Factor of exceeding 2(l)
Remarks DFG, EU, Y

Components with workplace exposure limits according to TRGS 903 (Germany)

1-Methoxypropan-2-ol
EC No 203-539-1 CAS No 107-98-2
Parameter 1-methoxypropan-2-ol
BGW 15 mg/l
Testing material urine
Date of sampling end of exposure, resp. end of shift.

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**8.2 Exposure controls****Personal protective equipment****General protective and hygienic measures**

Wash hands before breaks and at the end of workday.

Respiratory protection In case of exceeding the permitted exposure limit in closed rooms use a self-contained breathing apparatus.

Hand protection The glove material must be impermeable and resistant to the product. Due to missing tests no recommendation to the glove material can be given for the product. 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 mixture 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. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection Wear tightly closing eye protection.

Body Protection Use antistatic safety footwear and flame retardant antistatic protective clothing.

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not release the product into drains. Avoid the release into the environment.

SECTION 9 Physical and chemical properties**9.1 Information on basic physical and chemical properties****Appearance**

Aggregate state	liquid	Colour	colourless	Odour	like solvents
Melting point/melting range					Not available.
Initial boiling point/boiling range				77	°C
Flash point				- 1	°C
pH	(T = 20 °C)				Not applicable.
Flammability					High flammability.
Ignition temperature				270	°C
Auto flammability					Not applicable.
Oxidising properties					Not applicable.
Explosive properties					Applies to vapour-air mixtures.
Explosion limits	lower			2.1	% by volume
	upper			11.5	% by volume
Density	(T = 20 °C)			0.92	g/ml
Water solubility	(T = 20 °C)				The product is partially soluble.
Vapour pressure	(T = 20 °C)			97	hPa
Vapour density (air = 1)					Not available.
Partition coefficient (n-octanol/water)					Not available.
Viscosity	(T = 20 °C)				Not available.
Separation of solvent					Not applicable.
Content of solvents				100	%
Evaporation rate					Not available.

9.2 Other information

No data available.

SECTION 10 Stability and reactivity**10.1 Reactivity**

No data available.

10.2 Chemical stability

This product is stable.

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- 10.3 Possibility of hazardous reactions**
No dangerous reactions are known when used as intended.
- 10.4 Conditions to avoid**
Heat.
- 10.5 Incompatible materials**
Concentrated mineral acids and strong oxidising agents.
- 10.6 Hazardous decomposition products**
In case of fire only, see section 5.2.

SECTION 11 Toxicological information**11.1 Information on toxicological effects****Acute toxicity**

for 1-methoxypropan-2-ol
LD₅₀ oral (mouse) 11,700 mg/kg
LD₅₀ dermal (rabbit) 13,000 mg/kg
LC₅₀ inhalation (rat) 10,000 ppm / 5 h

for ethyl acetate
LD₅₀ oral (rat) 5,620 mg/kg
LD₅₀ dermal (rabbit) > 18,000 mg/kg
LC₅₀ inhalation (mouse) 45,000 mg/m³ / 2 h

Skin corrosion/irritation

No data available.

Serious eye damage/irritation

No data available.

Respiratory or skin sensitisation

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

No data available.

Reproductive toxicity

No data available.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

No data available.

Aspiration hazard

No data available.

Additional information

No data available.

SECTION 12 Ecological information**12.1 Toxicity**

for ethyl acetate
Fish toxicity (oncorhynchus mykiss) LC₅₀ 360 – 600 mg/l / 96 h
Daphnia toxicity (daphnia magna) EC₅₀ 560 mg/l / 48 h
Algae toxicity (selenastrum) EC₅₀ 1,800 – 3,200 mg/l / 72 h

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12.2 Persistence and degradability

The solvents are readily biodegradable.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

According to the available information, the criteria for classification as PBT or vPvB are not fulfilled.

12.6 Other adverse effects

Spilling product harms waters by consumption of oxygen and general pollution impact.

SECTION 13 Disposal considerations**13.1 Waste treatment methods**

Hazardous waste according to the European Waste Catalogue (2008/98/EC). If recycling is not possible, waste must be disposed of in accordance with local regulations. Do not dispose of in the waste water.

EU waste codes

20 01 13* Solvents.

15 01 10* Packaging containing residues of or contaminated by dangerous substances.

SECTION 14 Transport information**14.1 UN number**

1263

14.2 Proper shipping name**ADR/RID**

PAINT RELATED MATERIAL

Tunnel restriction code (road)

(D/E)

IMDG/IATA

PAINT RELATED MATERIAL (- 1 °C c.c.)

14.3 Transport hazard class(es)

3 (flammable liquids)

14.4 Packing group

II (substances presenting medium danger)

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for user

See sections 6 – 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****Regulations of the EU**

Listed in Annex I to Directive 2012/18/EU on the control of major-accident hazards involving hazardous substances

Observe quantity thresholds for substance group P5c.

Regulation (EU) No 528/2012 concerning the placing of biocidal products on the market

Not applicable.

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Regulation (EC) No 648/2004 (Regulation concerning detergents)
Not applicable.

Directive 1999/13/EC on the limitation of emissions of volatile organic compounds
Applicable.

Directive 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding
Applicable.

Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
Applicable.

Directive 94/33/EC on the protection of young people at work
Applicable.

German Regulations

Technical instructions on Air Quality Control (TA Luft)
Water hazard class
Storage class according to TRGS 510

Observe the limit values of organic substances according to section 5.2.5
WGK 1 (low hazardous to waters)
LGK 3 (flammable liquids)

Other regulations, restrictions and prohibition ordinances

Observe leaflet M 017 of the Employer's Liability Insurance Association for Raw Materials and the Chemical Industry.

15.2 Chemical safety assessment

This mixture was not subject to a safety assessment.

SECTION 16 Other information**The wording of the classification codes of section 3**

Flam. Liq. 2; H225	Flammable liquids, Hazard Category 2; Highly flammable liquid and vapour.
Flam. Liq. 3; H226	Flammable liquids, Hazard Category 3; Flammable liquid and vapour.
Eye Irrit. 2; H319	Serious eye damage/eye irritation, Hazard Category 2; Causes serious eye irritation.
STOT SE 3; H336	Specific target organ toxicity — Single exposure, Hazard Category 3, Narcosis; May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

Notes

The classification codes apply to the pure ingredients and do not necessarily indicate the classification of the mixture. The classification and labelling of the mixture are given in Section 2.

This safety data sheet has been prepared on the basis of the applicable EU regulations and German regulations. It reflects the current state of knowledge and is not a contractual assurance of quality characteristics of the product.

Abbreviations

AGW	Occupational limit value
BGW	Biological limit value at the workplace.
DFG	German Research Council (Committee on Occupational Limits Values).
EU	European Union.
LGK	Storage class.
PBT	Persistent, bioaccumulative and toxic.
TRGS	Technical regulation for dangerous substances.
vPvB	Very persistent and very bioaccumulative.
WGK	Water hazard class.
Y	A risk of fetal damage does not need to be feared if AGW and BGW are complied with.