

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Revision date: 30.03.2022

1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING**Product details****Trade name:** Aerosol Paint Remover**Article number:** 26730**Relevant identified uses of the substance or mixture and uses advised against:**

No further relevant information available.

Sector of Use:

SU21 Consumer uses: Private households / general public / consumers

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

Product category: Paint remover**Process category:**

PROC7 Industrial spraying

PROC11 Non industrial spraying

Intended use: Car refinishing Product/ Paint remover**Manufacturer/Supplier:** Chamäleon GmbH

Rudolf-Diesel-Straße, 8a, 69115 Heidelberg -- Germany

Further information obtainable from: Product Safety Department**Information in case of emergency:** + 49 70024112112 (CH)**2 - HAZARDS IDENTIFICATION****Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008**

flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

Label elements**Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the GB CLP regulation.

■ **Hazard pictograms**



GHS02

Signal word Danger

Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P260 Do not breathe spray.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents / container in accordance with regional regulations.

Additional information:

Buildup of explosive mixtures possible without sufficient ventilation.

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3- COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

CAS: 115-10-6 EINECS: 204-065-8 Index number: 603-019-00-8 Reg.nr.: 01-2119472128-37	dimethyl ether	50-<75%
	Flam. Gas 1A, H220 Press. Gas (Comp.), H280	
CAS: 109-87-5 EINECS: 203-714-2 Reg.nr.: 01-2119664781-31	dimethoxymethane	25-<50%
	Flam. Liq. 2, H225	

CAS: 646-06-0 EINECS: 211-463-5 Index number: 605-017-00-2 Reg.nr.: 01-2119490744-29	1,3-dioxolane	12.5-<20%
	Flam. Liq. 2, H225 Eye Dam. 1, H318	
EC number: 926-141-6 Reg.nr.: 01-2119456620-43	Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2%, aromatics	<2.5%
	Asp. Tox. 1, H304 EUH066	
CAS: 67-56-1 EINECS: 200-659-6 Index number: 603-001-00-X Reg.nr.: 01-2119433307-44	methanol	≤0.5%
	Flam. Liq. 2, H225, Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331, STOT SE 1, H370 Specific concentration limits: STOT SE 1; H370: C ≥ 10%; STOT SE 2; H371: 3 % ≤ C < 10%	
CAS: 108-01-0 EINECS: 203-542-8 Index number: 603-047-00-0 Reg.nr.: 01-2119492298-24	2-dimethylaminoethanol	≤0.5%
	Flam. Liq. 3, H226 Acute Tox. 3, H331, Skin Corr. 1B, H314; Eye Dam. 1, H318, Acute Tox. 4, H302; Acute Tox. 4, H312; STOT SE 3, H335 Specific concentration limit: STOT SE 3; H335: C ≥ 5 %	

Additional information: For the wording of the listed hazard phrases refer to section 16.

4- FIRST - AID MEASURE

Description of first aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Generally the product does not irritate the skin.

After eye contact: Rinse opened eye for several minutes under running water.

After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.

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- FIRE - FIGHTING MEASURE

Extinguishing media

Suitable extinguishing agents: Use fire extinguishing methods suitable to surrounding conditions.

Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced.

Advice for firefighters -

Protective equipment: Mouth respiratory protective device.

6- ACCIDENTAL RELEASE MEASURE

Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

Keep away from ignition sources.

Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to section 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

Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

No special measures required.

Information about fire - and explosion protection:

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Keep respiratory protective device available.

Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurised containers.

- Information about storage in one common storage facility: Not required.
Further information about storage conditions: Keep container tightly sealed.
Storage class: 2 B
Specific end use(s) No further relevant information available.

8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

Ingredients with limit values that require monitoring at the workplace:	
115-10-6 dimethyl ether	
WEL	Short-term value: 958 mg/m ³ , 500 ppm Long-term value: 766 mg/m ³ , 400 ppm
109-87-5 dimethoxymethane	
WEL	Short-term value: 3950 mg/m ³ , 1250 ppm Long-term value: 3160 mg/m ³ , 1000 ppm
67-56-1 methanol	
WEL	Short-term value: 333 mg/m ³ , 250 ppm Long-term value: 266 mg/m ³ , 200 ppm Sk
108-01-0 2-dimethylaminoethanol	
WEL	Short-term value: 22 mg/m ³ , 6 ppm Long-term value: 7.4 mg/m ³ , 2 ppm

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

Exposure controls

Appropriate engineering controls No further data; see section 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

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.

Filter A2/P3

Protection of hands: Not required.

Material of gloves: Not required.

Penetration time of glove material: Not required.

Eye/face protection: Not required.

9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical	and chemical properties
General Information	
Appearance:	
Form:	<i>Aerosol</i>
Colour:	<i>Whitish</i>
Odour:	<i>Solvent-like</i>
Odour threshold:	<i>Not determined.</i>
Melting point/freezing point:	<i>Undetermined.</i>
Boiling point or initial boiling point and boiling range	<i>Not applicable, as aerosol.</i>
Flammability	<i>Not applicable.</i>
Lower and upper explosion limit	
Lower:	<i>2.2 Vol % (109-87-5 dimethoxymethane)</i>
Upper:	<i>26.2 Vol % (115-10-6 dimethyl ether)</i>
Flash point:	<i>Not applicable, as aerosol.</i>
Auto-ignition temperature:	<i>235 °C (455 °F) (109-87-5 dimethoxymethane)</i>
Decomposition temperature:	<i>Not determined.</i>
pH	<i>Mixture is non-soluble (in water)</i>
Viscosity:	
Kinematic viscosity	<i>Not determined.</i>
Dynamic:	<i>Not determined.</i>
Solubility	
water:	<i>Not miscible or difficult to mix.</i>
Partition coefficient n-octanol/water (log value)	<i>Not determined.</i>
Vapour pressure at 20 °C (68 °F):	<i>4000 hPa (3000.2 mm Hg)</i>
Density and/or relative density	
Density at 20 °C (68 °F):	<i>0.8 g/cm³ (6.7 lbs/gal)</i>
Relative density	<i>Not determined.</i>
Vapour density	<i>Not determined.</i>

Other information

Appearance:

Form: *Aerosol*

Important information on protection of health and on safety.

Explosive properties: *Not determined.*

Solvent content:

Organic solvents: *76.8 %*

VOC (EC)

590.2 g/l

VOC-EU%

76.75 %

Solids content:

23.3 %

Change in condition

Evaporation rate *Not applicable.*

Information with regard to physical hazard classes

Explosives *Void*

Flammable gases *Void*

Aerosols *Extremely flammable aerosol. Pressurised container:
May burst if heated.*

Oxidising gases *Void*

Gases under pressure *Void*

Flammable liquids *Void*

Flammable solids *Void*

Self-reactive substances and mixtures *Void*

Pyrophoric liquids *Void*

Pyrophoric solids *Void*

Self-heating substances and mixtures *Void*

Substances and mixtures, which emit flammable

gases in contact with water *Void*

Oxidising liquids *Void*

Oxidising solids *Void*

Organic peroxides *Void*

Corrosive to metals *Void*

Desensitised explosives *Void*

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 hazard classes as defined in Regulation (EC) No 1272/2008

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

LD/LC50 values relevant for classification:		
109-87-5 dimethoxymethane		
Oral	LD50	6423 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rab) (OECD 402)
	LC50 / 96 h	>1000 mg/l (fish) (Oncorhynchus mykiss)
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics		
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC50 / 4h	>5000 mg/m3 (rat)

Serious eye damage/irritation

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

No irritant effect.

Serious eye damage/irritation

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

No irritating effect.

Respiratory or skin sensitisation

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

No sensitising effects known.

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

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. Information on other hazards

- Information on other hazards
Endocrine disrupting properties None of the ingredients is listed.

12 – ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity:	
115-10-6 dimethyl ether	
EC50 / 96 h	155 mg/l (algae)
LC50 / 48 h	>4000 mg/l (daphnia magna)
LC50 / 96 h	>4000 mg/l (fish)
109-87-5 dimethoxymethane	
EC50 / 48 h	>1200 mg/l (daphnia magna) (Daphnia magna)

Persistence and degradability No further relevant information available.

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

Other adverse effects

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13– DISPOSAL CONSIDERATION

Waste treatment methods

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system

Uncleaned packaging:

Recommendation:

Disposal must be made according to official regulations.

14- TRANSPORT INFORMATION

UN-Number or ID number

ADR, IMDG, IATA UN1950

UN proper shipping name

ADR 1950 AEROSOLS
IMDG AEROSOLS
IATA AEROSOLS, flammable

Transport hazard class(es)

ADR



Class 2 5F Gases.
Label 2.1

IMDG, IATA



Class 2.1 Gases.
Label 2.1

Packing group

ADR, IMDG, IATA not regulated

Environmental hazards: not applicable

Special precautions for user

Warning: Gases.
Hazard identification number (Kemler code): -
EMS Number: F-D,S-U
Stowage Code SW1 Protected from sources of heat.
SW22 For AEROSOLS with a maximum capacity of 1 litre:
Category A. For AEROSOLS with a capacity above 1 litre:
Category B. For WASTE AEROSOLS: Category C, Clear

<p>Segregation Code</p> <p>Maritime transport in bulk according to IMO instruments</p> <p>Transport/Additional information:</p> <p>ADR</p> <p>Limited quantities (LQ)</p> <p>Excepted quantities (EQ)</p> <p>Transport category</p> <p>Tunnel restriction code</p> <p>IMDG</p> <p>Limited quantities (LQ)</p> <p>Excepted quantities (EQ)</p> <p>UN "Model Regulation":</p>	<p>of living quarters.</p> <p>SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4.</p> <p>For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2.</p> <p>For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.</p> <p>Not applicable.</p> <p>1L</p> <p>Code: E0</p> <p>Not permitted as Excepted Quantity</p> <p>2</p> <p>D</p> <p>1L</p> <p>Code: E0</p> <p>Not permitted as Excepted Quantity</p> <p>UN 1950 AEROSOLS, 2.1</p>
--	--

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

P3a FLAMMABLE AEROSOLS

Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

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

16-OTHER INFORMATION

Relevant phrases

- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H311 Toxic in contact with skin.
- H312 Harmful in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H318 Causes serious eye damage.
- H331 Toxic if inhaled.
- H335 May cause respiratory irritation.
- H370 Causes damage to organs.
- EUH066 Repeated exposure may cause skin dryness or cracking.

Abbreviations and acronyms:

- ADR: Accord relatif au transport international 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.
- 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. Gas 1A: Flammable gases – Category 1A
- Aerosol 1: Aerosols – Category 1
- Press. Gas (Comp.): Gases under pressure – Compressed gas
- Flam. Liq. 2: Flammable liquids – Category 2
- Flam. Liq. 3: Flammable liquids – Category 3
- Acute Tox. 3: Acute toxicity – Category 3
- Acute Tox. 4: Acute toxicity – Category 4
- Skin Corr. 1B: Skin corrosion/irritation – Category 1B
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- STOT SE 1: Specific target organ toxicity (single exposure) – Category 1

- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
Asp. Tox. 1: Aspiration hazard – Category 1

The information contained in these sheets is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects and should not be construed as any guarantee of technical performance or suitability for particular applications.