

SAFETY DATA SHEET
according to 1907/2006/EC, Article 31

Revision date: 20.10.2022

1- IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product details

Trade name: Aerosol Contact adhesive

Article number: 26803

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: Feed materials, Intermediates

Process category:

PROC7 Industrial spraying

PROC11 Non industrial spraying

Intended use: Car refinishing Product/ Glue/ Sising agent

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.



environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



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 GB CLP regulation.

Hazard pictograms



GHS02

GHS07

GHS09

Signal word Danger

Hazard-determining components of labelling:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane
pentane
butanone
isopentane

Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

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

Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

EC number: 921-024-6 Reg.nr.: 01-2119475514-35	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	25-<50%
	Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	
CAS: 115-10-6 EINECS: 204-065-8 Index number: 603-019-00-8 Reg.nr.: 01-2119472128-37	dimethyl ether	20-<25%
	Flam. Gas 1A, H220 Press. Gas (Comp.), H280	
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21	propane	5-<10%
	Flam. Gas 1A, H220 Press. Gas (Comp.), H280	
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32	butane (containing < 0,1 % butadiene (203-450-8))	5-<10%
	Flam. Gas 1A, H220 Press. Gas (Comp.), H280	
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27	isobutane (containing < 0,1 % butadiene (203-450-8))	5-<10%
	Flam. Gas 1A, H220 Press. Gas (Comp.), H280	
CAS: 109-66-0 EINECS: 203-692-4 Index number: 601-006-00-1 Reg.nr.: 01-2119459286-30	pentane	5-<10%
	Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336 EUH066	
CAS: 78-93-3 EINECS: 201-159-0 Index number: 606-002-00-3 Reg.nr.: 01-2119457290-43	butanone	2.5-<5%
	Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336 EUH066	
CAS: 78-78-4 EINECS: 201-142-8 Index number: 601-006-00-1 Reg.nr.: 01-2119475602-38	isopentane	<2.5%
	Flam. Liq. 1, H224; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336 EUH066	
CAS: 68610-51-5 Reg.nr.: 01-2119496062-39	phenol, 4-methyl-, reaction products with dicyclopentadiene and isobutylene	<1%

	Repr. 2, H361d Aquatic Chronic 4, H413	
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Additional information:

The content of Benzene (EINECS-Nr. 200-753-7) in the ingredients is less than 0,1% (Note P Annex 1A 1272/2008 EU), so the classification as carcinogen need not to apply.

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

4- FIRST - AID MEASURE

Description of first aid measures

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.

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:

Inform respective authorities in case of seepage into water course or sewage system.

- 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.

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

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

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
106-97-8 butane (containing < 0,1 % butadiene (203-450-8))	
WEL	Short-term value: 1810 mg/m ³ , 750 ppm Long-term value: 1450 mg/m ³ , 600 ppm Carc (if more than 0.1% of buta-1.3-diene)

109-66-0 pentane		
WEL	Long-term value: 1800 mg/m ³ , 600 ppm	
78-93-3 butanone		
WEL	Short-term value: 899 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm Sk, BMGV	
78-78-4 isopentane		
WEL	Long-term value: 1800 mg/m ³ , 600 ppm	
DNELs		
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane		
Oral	DNEL	699 mg/kg (Consumer, longterm systemic)
Dermal	DNEL	773 mg/kg (Worker, longterm systemic)
Inhalative	DNEL	699 mg/kg (Consumer, longterm systemic)
	DNEL	2035 mg/m ³ (Worker, longterm systemic)
	DNEL	608 mg/m ³ (Consumer, longterm systemic)
109-66-0 pentane		
Oral	DNEL	214 mg/kg /per day (Consumer, longterm systemic)
Dermal	DNEL	432 mg/kg /per day (Worker, longterm systemic)
Inhalative	DNEL	214 mg/kg /per day (Consumer, longterm systemic)
	DNEL	3000 mg/m ³ (Worker, longterm systemic)
	DNEL	643 mg/m ³ (Consumer, longterm systemic)
78-93-3 butanone		
Oral	DNEL	31 mg/kg /per day (Consumer, longterm systemic)
Dermal	DNEL	1161 mg/kg /per day (Worker, longterm systemic)
Inhalative	DNEL	412 mg/kg /per day (Consumer, longterm systemic)
	DNEL	600 mg/m ³ (Worker, longterm systemic)
	DNEL	106 mg/m ³ (Consumer, longterm systemic)
PNECs		
109-66-0 pentane		
PNEC	0.23 mg/l (Freshwater)	
PNEC	0.23 mg/l (Seawater)	
PNEC	0.88 mg/l (Sporadic release)	
PNEC	3.6 mg/l (Sewage treatment plant)	
PNEC	1.2 mg/kg (Freshwater sediment)	
PNEC	0.55 mg/kg (Soil)	
PNEC	1.2 mg/kg (Seawater sediment)	
78-93-3 butanone		

PNEC	55.8 mg/l (Freshwater)
PNEC	55.8 mg/l (Seawater)
PNEC	55.8 mg/l (Sporadic release)
PNEC	709 mg/l (Sewage treatment plant)
PNEC	284.7 mg/kg (Freshwater sediment)
PNEC	284.7 mg/kg (Seawater sediment)
Ingredients with biological limit values:	
78-93-3 butanone	
BMGV	70 µmol/L Medium: urine Sampling time: post shift Parameter: butan-2-one

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:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

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.

Filter A2/P3

Protection of hands: Protective gloves

Material of gloves

Butyl rubber, BR

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.

Penetration time of glove material:

Butyl rubber gloves with a thickness of 0.4 mm are resistant to:

Acetone: 480 min

Butyl acetate: 60 min

Ethyl acetate: 170 min

Xylene: 42 min

Butyl rubber gloves with a thickness of 0.4 mm are solvent resistant for 42- 480 minutes. As protective measure, we recommend that users and responsible persons for work safety assume solvent resistance length of 42 minutes. Considering the data in section 3 of this SDS, one can assume longer resistance

- length in particular cases.
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>0.6 Vol % (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)</i>
Upper:	<i>26.2 Vol % (115-10-6 dimethyl ether)</i>
Flash point:	<i>Not applicable, as aerosol.</i>
Auto-ignition temperature:	<i>>200 °C (>392 °F) (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)</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>0.7 g/cm³ (5.8 lbs/gal)</i>
Relative density	<i>Not determined.</i>

Vapour density	<i>Not determined.</i>
Other information	
Appearance:	
Form:	<i>Aerosol</i>
Important information on protection of health and environment, and on safety.	
Explosive properties:	<i>Not determined.</i>
Solvent content:	
Organic solvents:	<i>86.8 %</i>
VOC (EC)	<i>---</i>
	<i>586.1 g/l</i>
VOC-EU%	<i>86.80 %</i>
Solids content:	<i>10.8 %</i>
Change in condition	
Evaporation rate	<i>Not applicable.</i>
Information with regard to physical hazard classes	
Explosives	<i>Void</i>
Flammable gases	<i>Void</i>
Aerosols	<i>Extremely flammable aerosol. Pressurised container: May burst if heated.</i>
Oxidising gases	<i>Void</i>
Gases under pressure	<i>Void</i>
Flammable liquids	<i>Void</i>
Flammable solids	<i>Void</i>
Self-reactive substances and mixtures	<i>Void</i>
Pyrophoric liquids	<i>Void</i>
Pyrophoric solids	<i>Void</i>
Self-heating substances and mixtures	<i>Void</i>
Substances and mixtures, which emit flammable	
gases in contact with water	<i>Void</i>
Oxidising liquids	<i>Void</i>
Oxidising solids	<i>Void</i>
Organic peroxides	<i>Void</i>
Corrosive to metals	<i>Void</i>
Desensitised explosives	<i>Void</i>

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:		
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane		
Oral	LD50	>5840 mg/kg (rat)
Dermal	LD50	>2920 mg/kg (rab)
Inhalative	LC50 / 4h	>25.2 mg/l (rat)
109-66-0 pentane		
Oral	LD50	>5000 mg/kg (rat)
Inhalative	LC50 / 4 h	25.3 mg/l (rat)
78-93-3 butanone		
Oral	LD50	>2193 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
Inhalative	LC50 / 4h	34 mg/m3 (rat)

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation No irritating effect.

Respiratory or skin sensitisation No sensitising effects known.

STOT-single exposure May cause drowsiness or dizziness.

Information on other hazards

Endocrine disrupting properties		
78-93-3	butanone	List II

12 – ECOLOGICAL INFORMATION

Toxicity

Aquatic toxicity:	
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	
EC50 / 48 h	3 mg/l (daphnia magna)
EC50 / 72 h	30-100 mg/l (algae)
LC50 / 96 h	11.4 mg/l (fish)
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)
109-66-0 pentane	
EC50 / 48 h	9.7 mg/l (daphnia magna)
EC50 / 96 h	4.26 mg/l (fish)
LC50 / 96 h	4.26 mg/l (fish)
78-93-3 butanone	
LC50 / 48 h	308 mg/l (daphnia magna)
LC50 / 72 h	1972 mg/l (Pseudokirchneriella Subcapitata)
LC50 / 96 h	2990 mg/l (fish)

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 For information on endocrine disrupting properties see section 11.

Other adverse effects

Remark: Toxic for fish

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.

Danger to drinking water if even small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

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

IMDG

IATA

1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS
AEROSOLS, MARINE POLLUTANT
AEROSOLS, flammable

Transport hazard class(es)

ADR



Class

2 5F Gases.

Label

2.1

IMDG



Class

2.1 Gases

Label

2.1

IATA



<p>■ Class</p> <p>Label</p> <p>Packing group ADR, IMDG, IATA</p> <p>Environmental hazards: Marine pollutant: Special marking (ADR): Special precautions for user Hazard identification number (Kemler code): - EMS Number: Stowage Code</p> <p>Segregation Code</p> <p>Maritime transport in bulk according to IMO instruments</p> <p>Transport/Additional information: ADR Limited quantities (LQ) Excepted quantities (EQ)</p> <p>Transport category Tunnel restriction code</p> <p>IMDG Limited quantities (LQ) Excepted quantities (EQ)</p> <p>UN "Model Regulation":</p>	<p>2.1 Gases</p> <p>2.1</p> <p>not regulated</p> <p>Symbol (fish and tree)</p> <p>Symbol (fish and tree)</p> <p>Warning: Gases.</p> <p>F-D,S-U</p> <p>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 of living quarters. 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. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.</p> <p>Not applicable.</p> <p>1L Code: E0 Not permitted as Excepted Quantity</p> <p>2 D</p> <p>1L Code: E0 Not permitted as Excepted Quantity</p> <p>UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS</p>
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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

E2 Hazardous to the Aquatic Environment

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.

H224 Extremely flammable liquid and vapour.

H225 Highly flammable liquid and vapour.

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H361d Suspected of damaging the unborn child.

H411 Toxic to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

EUH066 Repeated exposure may cause skin dryness or cracking.

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer
(Regulations Concerning the

International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

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

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)
- DNEL: Derived No-Effect Level (UK REACH)
- PNEC: Predicted No-Effect Concentration (UK REACH)
- 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. 1: Flammable liquids – Category 1
- Flam. Liq. 2: Flammable liquids – Category 2
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- Repr. 2: Reproductive toxicity – Category 2
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- Asp. Tox. 1: Aspiration hazard – Category 1
- Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
- Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

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.