CHAMÄLEON GMBH / RUDOLF-DIESEL-STRASSE 8A / 69115 HEIDELBERG / GERMANY

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RUDOLF-DIESEL-STRASSE 8A
69115 HEIDELBERG
GERMANY

FON 0049 (0) 6221 - 520 440
FAX 0049 (0) 6221 - 520 449
MAIL INFO@CHAMAELEON-PRODUKTION.DE
WEB WWW.CHAMAELEON-PRODUKTION.DE

SAFETY DATA SHEET
according to 1907/2006/EC, Article 31 *Revision date: 05.10.2016*

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

Product details
Trade name: Aerosol Wash primer
Article number: 26022
Intended use: Car refinishing Product/ Lacquer
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

GHS02 flame

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

GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H336 May cause drowsiness or dizziness.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.
Label elements
Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.
Hazard pictograms

GHS02 GHS07
Signal word Danger
Hazard-determining components of labelling:

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xylene acetone
n-butyl acetate

Hazard statements

H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.
H412 Harmful 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:

EUH066 Repeated exposure may cause skin dryness or cracking.
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.

Dangerous components:		
CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49	acetone Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	25-<50%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21	propane Flam. Gas 1, H220 Press. Gas C, H280	10-<12.5%
CAS: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29	n-butyl acetate Flam. Liq. 3, H226 STOT SE 3, H336	10-<12.5%

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CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32	butane Flam. Gas 1, H220 Press. Gas C, H280	5-<10%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27	isobutane Flam. Gas 1, H220 Press. Gas C, H280	2.5-<5.0%
CAS: 9004-70-0	cellulose nitrate Flam. Sol. 1, H228	2.5-<5.0%
CAS: 7779-90-0 EINECS: 231-944-3 Index number: 030-011-00-6 Reg.nr.: 01-2119485044-40	trizinc bis(orthophosphate) Aquatic Acute 1, H400; Aquatic Chronic 1, H410	<2.5%
CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9 Reg.nr.: 01-2119555267-33	Xylol Flam. Liq. 3, H226 STOT RE 2, H373; Asp. Tox. 1, H304 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	<2.5%
CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7 Reg.nr.: 01-2119475791-29	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226	<2.5%
CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5 Reg.nr.: 01-2119457610-43	ethanol Flam. Liq. 2, H225	<2.5%

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: 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. If symptoms persist, consult a doctor.
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.

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Indication of any immediate medical attention and special treatment needed
No further relevant information available.

5– FIRE - FIGHTING MEASURE

Extinguishing media
Suitable extinguishing agents:
CO2, powder or water spray. Larger fires with water spray or foam. Cool containers with water
For safety reasons unsuitable extinguishing agents: Water with full jet
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 MEASURE

Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
Environmental precautions
Do not allow to enter sewers/ surface or ground water.
Do not allow product to reach sewage system or any water course.
Methods and material for containment and cleaning up: 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.
Open and handle receptacle with care.
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.
Observe official regulations on storing packagings with pressurised containers.
Information about storage in one common storage facility: Not required.

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Further information about storage conditions:
Do not seal receptacle gas tight.
Protect from heat and direct sunlight.
Storage class: 2 B
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.
Control parameters

Ingredients with limit values that require monitoring at the workplace:	
67-64-1 acetone	
WEL	Short-term value: 3620 mg/m³, 1500 ppm Long-term value: 1210 mg/m³, 500 ppm
123-86-4 n-butyl acetate	
WEL	Short-term value: 966 mg/m³, 200 ppm Long-term value: 724 mg/m³, 150 ppm
106-97-8 butane	
WEL	Short-term value: 1810 mg/m³, 750 ppm Long-term value: 1450 mg/m³, 600 ppm Carc (if more than 0.1% of buta-1.3-diene)
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
64-17-5 ethanol	
WEL	Long-term value: 1920 mg/m³, 1000 ppm

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.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
Respiratory protection:
Not necessary if room is well-ventilated.
Otherwise, filter class A / P2 or self contained.
Use suitable respiratory protective device in case of insufficient ventilation.

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Protection of hands:
In case of contact with spray dust protective gloves made of butyl should be used (min. 0.4 mm thick), e.g. KCL Camatril, article no. 898 or similar products.
Protective gloves
Solvent resistant gloves
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Material of gloves Butyl rubber, BR
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
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed
Eye protection: Safety glasses

9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties **General Information** **Appearance:** **Form:** **Colour:** **Odour:** **Odour threshold:**	 *Aerosol* *According to product specification* *Characteristic* *Not determined.*
pH-value:	*Not determined.*
Change in condition **Melting point/Melting range:** **Boiling point/Boiling range:**	 *Undetermined.* *Not applicable, as aerosol*
Flash point:	*Not applicable, as aerosol*
Flammability (solid, gaseous):	*Not applicable.*
Ignition temperature:	*365 °C*
Decomposition temperature:	*Not determined.*
Self-igniting:	*Product is not selfigniting.*
Danger of explosion:	*In use, may form flammable/explosive vapour-air mixture.*
Explosion limits: **Lower:** **Upper:**	 *1.2 Vol %* *13.0 Vol %*

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Vapour pressure at 20 °C:	*8300 hPa*
Density at 20 °C: **Relative density** **Vapour density** **Evaporation rate**	*0.8 g/cm³* *Not determined.* *Not determined.* *Not applicable.*
Solubility in / Miscibility with water:	*Not miscible or difficult to mix.*
Partition coefficient (n-octanol/water):	*Not determined.*
Viscosity: **Dynamic:** **Kinematic at 20 °C:**	 *Not determined.* *Not determined.*
Solvent content: **VOC- (EU)** **VOC-EU%**	--- *676.6 g/l* *84.22 %*
Solids content **Other information**	*7.1%* *No further relevant information available.*

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– TOXILOGICAL INFORMATION

Information on toxicological effects
Acute toxicity:

LD/LC50 values relevant for classification:		
67-64-1 acetone		
Oral Dermal	LD50 LD50	5800 mg/kg (rat) 20000 mg/kg (rabbit)
7779-90-0 trizinc bis(orthophosphate)		
Oral	LD50	>5000 mg/kg (rat)

Primary irritant effect:
Skin corrosion/irritation Based on available data, the classification criteria are not met.

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Serious eye damage/irritation
Causes serious eye irritation.
Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
CMR effects (carcinogenity, 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.

12 – ECOLOGICAL INFORMATION

Toxicity
Aquatic toxicity: No further relevant information available.
Persistence and degradability No further relevant information available.
Bioaccumulative potential No further relevant information available.
Mobility in soil No further relevant information available.
Ecotoxical effects:
Remark: Harmful to fish
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.
Harmful to aquatic organisms
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
Other adverse effects No further relevant information available.

13– DISPOSAL CONSIDERATION

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

European waste catalogue	
08 01 11*	waste paint and varnish containing organic solvents or other dangerous substances
15 01 04	metallic packaging

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

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14– TRANSPORT INFORMATION

UN-Number
ADR, IMDG, IATA UN1950

UN proper shipping name
ADR UN1950 AEROSOLS
IMDG AEROSOLS
IATA Aerosols, flammable

Transport hazard class(es)
ADR

Class 2 5F Gases.
Label 2.1

IMDG

Class 2 Gases.
Label 2.1

IATA

Class 2.1
Label 2.1

Packing group
ADR, IMDG, IATA Void

Environmental hazards: Not applicable.

Special precautions for user Warning: Gases.
Danger code (Kemler): -
EMS Number: F-D,S-U
Stowage Code SW1 Protected from sources of heat.
SW22 For AEROSOLS with a maximum capacity of 1 litre:

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	Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
Segregation Code	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.

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: E0 Not permitted as Excepted Quantity
Transport category	2
Tunnel restriction code	D

IMDG

Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity

UN "Model Regulation": UN 1950 AEROSOLS, 2.1

15 – REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture.
Directive 2012/18/EU
Qualifying quantity (tonnes) for the application oflower-tier requirements 150 t
Qualifying quantity (tonnes) for the application ofupper-tier requirements 500 t
Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
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.

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H226 Flammable liquid and vapour.
H228 Flammable solid.
H280 Contains gas under pressure; may explode if heated.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects

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.