

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

Revision date: 04.01.2019

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

Product details**Trade name:** Aerosol Rust converter primer**Article number:** 26060**Relevant identified uses of the substance or mixture and uses advised against:**

No further relevant information available.

Intended use: Car refinishing Product/ Protective coating**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.

Skin Sens. 1 H317 May cause an allergic skin reaction.

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 GHS07

Signal word: Danger

Hazard statements

acetone

bisphenol-A-(epichlorhydrin), epoxy resin (number average molecular weight 700-1100)

propan-2-ol

methyl ethyl ketone.

Precautionary statements:

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

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H336 May cause drowsiness or dizziness.

Additional information:

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.

P251 Do not pierce or burn, even after use.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

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

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

Additional information:

EUH066 Repeated exposure may cause skin dryness or cracking.

Buildup of explosive mixtures possible without sufficient ventilation.

EUH205 Contains epoxy constituents. May produce an allergic reaction.

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: 115-10-6 | dimethyl ether | 25-50% |
| EINECS: 204-065-8 | | |
| Reg.nr.: 01-2119472128-37 | Flam. Gas 1, H220; Press. Gas L, H280 | |
| CAS: 67-64-1 | acetone | 25-50% |
| EINECS: 200-662-2 | | |
| Reg.nr.: 01-2119471330-49 | Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 | |

| | | |
|--|--|------------|
| CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25 | propan-2-ol | 2.5-<10% |
| | Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 | |
| CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: 01-2119457290-43 | methylethyl ketone | 2.5-<10% |
| | Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 | |
| CAS: 107-98-2 EINECS: 203-539-1 Reg.nr.: 01-2119457435-35 | 1-methoxy-2-propanol | 2.5-<10% |
| | Flam. Liq. 3, H226; STOT SE 3, H336 | |
| CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32 | xylene | 2.5-<5% |
| | 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 | |
| CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29 | 2-methoxy-1-methylethyl acetate | ≥0.1-<2.5% |
| | Flam. Liq. 3, H226 | |
| CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29 | n-butyl acetate | 1-<2.5% |
| | Flam. Liq. 3, H226; STOT SE 3, H336 | |
| CAS: 25068-38-6 | bisphenol-A(epichlorhydrin), epoxy resin (number average molecular weight 700-1100) | ≥1-<2.5% |
| | Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317 | |

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

4- FIRST - AID MEASURES

Description of first aid measures

After inhalation:

Supply fresh air and to be sure call for a doctor.

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. If symptoms persist, consult a doctor.

After swallowing: If symptoms persist consult doctor.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

Information for doctor:

5- FIRE - FIGHTING MEASURE

Extinguishing media

Suitable extinguishing agents: CO₂, sand, extinguishing powder. Do not use 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:

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

6- ACCIDENTAL RELEASE MEASURE

Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

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.

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

Methods and material for containment and cleaning up:

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents.

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

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Open and handle receptacle with care.

Information about fire - and explosion protection:

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

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

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: Store away from foodstuffs.

Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

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: | |
|--|---|
| 115-10-6 dimethyl ether | |
| WEL | Short-term value: 958 mg/m ³ , 500 ppm Long-term value: 766 mg/m ³ , 400 ppm |
| 67-64-1 acetone | |
| WEL | Short-term value: 3620 mg/m ³ , 1500 ppm Long-term value: 1210 mg/m ³ , 500 ppm |
| 67-63-0 propan-2-ol | |
| WEL | Short-term value: 1250 mg/m ³ , 500 ppm Long-term value: 999 mg/m ³ , 400 ppm |
| 78-93-3 methyl ethyl ketone | |
| WEL | Short-term value: 899 mg/m ³ , 300 ppm Long-term value: 600 mg/m ³ , 200 ppm Sk, BMGV |
| 107-98-2 1-methoxy-2-propanol | |
| WEL | Short-term value: 560 mg/m ³ , 150 ppm Long-term value: 375 mg/m ³ , 100 ppm Sk |
| 1330-20-7 xylene | |
| WEL | Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV |
| 108-65-6 2-methoxy-1-methylethyl acetate | |
| WEL | Short-term value: 548 mg/m ³ , 100 ppm Long-term value: 274 mg/m ³ , 50 ppm Sk |
| 123-86-4 n-butyl acetate | |
| WEL | Short-term value: 966 mg/m ³ , 200 ppm Long-term value: 724 mg/m ³ , 150 ppm |

| Ingredients with biological limit values: | |
|---|--|
| 78-93-3 methyl ethyl ketone | |
| BMGV | 70 µmol/L Medium: urine Sampling time: post shift Parameter: butan-2-one |
| 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 eyes.

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.

Use suitable respiratory protective device in case of insufficient ventilation.

Protection of hands:

Protective gloves (EN 374)

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

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.

Breakthrough 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.

Eye protection: Tightly sealed goggles

9 – PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|---|
| Information on basic physical and chemical properties | |
| General Information | |
| Appearance: | |
| Form: | <i>Aerosol</i> |
| Colour: | <i>According to product specification</i> |
| Odour: | <i>Characteristic</i> |
| Odour threshold: | <i>Not determined.</i> |
| pH-value: | <i>Not determined.</i> |
| Change in condition | |
| Melting point/freezing point: | <i>Undetermined.</i> |
| Initial boiling point and boiling range: | <i>41°C</i> |
| Flash point: | <i><0°C (DIN EN ISO 1523:2002)</i> |
| Flammability (solid, gas): | <i>Not applicable.</i> |
| Ignition temperature: | <i>235°C (DIN 51794)</i> |
| Decomposition temperature: | <i>Not determined.</i> |
| Auto-ignition temperature: | <i>Product is not selfigniting.</i> |
| Explosive properties: | <i>In use, may form flammable/explosive vapour-air mixture.</i> |
| Explosion limits: | |
| Lower: | <i>2.6 Vol %</i> |
| Upper: | <i>18.6 Vol %</i> |
| Vapour pressure at 20 °C: | <i>5,200 hPa</i> |
| Density at 20 °C: | <i>0.761 g/cm³ (DIN EN ISO 2811-1)</i> |
| Relative density | <i>Not determined.</i> |
| Vapour density | <i>Not determined.</i> |
| Evaporation rate | <i>Not applicable.</i> |
| Solubility in / Miscibility with water: | <i>Not miscible or difficult to mix.</i> |
| Partition coefficient: n-octanol/water: | <i>Not determined.</i> |
| Viscosity: | |
| Dynamic: | <i>Not determined.</i> |
| Kinematic: | <i>Not determined.</i> |
| Solvent content: | |
| Water: | <i>0.9 %</i> |
| VOC (EC) | <i>95.24 %</i> |
| Solids content (weight-%): | <i>3.8 %</i> |
| Other information | <i>No further relevant information available.</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:

Possible in traces.

Nitrogen oxides

Hydrogen chloride (HCl)

Carbon monoxide

Nitrogen oxides (NO_x)

11- TOXICOLOGICAL INFORMATION

Information on toxicological effects

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

Primary irritant effect:

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

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

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.

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.

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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 hazardous substances |
| 15 01 04 | metallic packaging |

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

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, IATA



Class 2.1

| | |
|---|--|
| Label | 2.1 |
| Packing group ADR, IMDG, IATA | Void |
| Environmental hazards: Marine pollutant: | No |
| Special precautions for user Danger code (Kemler): EMS Number: Stowage Code | Warning: Gases. - F-D,S-U 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. |
| Segregation Code | |
| Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| Transport/Additional information: ADR Transport category Tunnel restriction code | 2 D |
| IMDG Limited quantities (LQ) | 1L |
| 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

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

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

National regulations:

| Class | Share in % |
|-------|------------|
| NK | 50-100 |

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.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
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.

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.