

SAFETY DATA SHEET

according to 1907/2006/EC, Article 31

Revision date: 31.01.2024

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

Product details

Trade name: Aerosol 2K Clear Coat Premium

Article number: 11012

Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

Sector of Use

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

Product category: PC9a Coatings and paints, thinners, paint removers

Process category

PROC7 Industrial spraying

PROC11 Non industrial spraying

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



flame

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



health hazard

Carc. 2 H351 Suspected of causing cancer.



Skin Irrit. 2 H315 Causes skin irritation.
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.
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 GB CLP regulation.

Hazard pictograms



GHS02 GHS07 GHS08

Signal word Danger

Hazard-determining components of labelling:

aliphatic polyisocyanate

acetone

4-methylpentan-2-one

n-butyl acetate

bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

Hazard statements

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

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H351 Suspected of causing cancer.

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.

P280 Wear protective gloves / eye protection.

P284 In case of inadequate ventilation wear respiratory protection.

- P302+P352 IF ON SKIN: Wash with plenty of soap and water.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- 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.
EUH204 Contains isocyanates. May produce an allergic reaction.
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: | | |
|---|---|-----------|
| CAS: 115-10-6 EINECS: 204-065-8 Index number: 603-019-00-8 Reg.nr.: 01-2119472128-37 | dimethyl ether | 25-<50% |
| | Flam. Gas 1A, H220 | |
| | Press. Gas (Comp.), H280 | |
| CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49 | acetone | 12.5-<20% |
| | Flam. Liq. 2, H225 | |
| | Eye Irrit. 2, H319; STOT SE 3, H336 EUH066 | |
| EC number: 905-588-0 Index number: 601-022-00-9 Reg.nr.: 01-2119488216-32 | Xylene | 5-<10% |
| | 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: 123-86-4 EINECS: 204-658-1 Index number: 607-025-00-1 Reg.nr.: 01-2119485493-29 | n-butyl acetate | 5-<10% |
| | Flam. Liq. 3, H226 | |
| | STOT SE 3, H336 EUH066 | |
| EC number: 931-274-8 | aliphatic polyisocyanate | 2.5-<5% |

| | | |
|---|--|-------|
| Reg.nr.: 01-2119485796-17 | Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H335 EUH204 | |
| EC number: 918-668-5 Reg.nr.: 01-2119455851-35 | Hydrocarbons, C9, aromatics Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 STOT SE 3, H335-H336 EUH066 | <2.5% |
| CAS: 110-12-3 EINECS: 203-737-8 Index number: 606-026-00-4 | 5-methylhexan-2-one Flam. Liq. 3, H226 Acute Tox. 4, H332 | <2.5% |
| CAS: 112-07-2 EINECS: 203-933-3 Index number: 607-038-00-2 Reg.nr.: 01-2119475112-47 | 2-butoxyethyl acetate Acute Tox. 4, H312; Acute Tox. 4, H332 | <2.5% |
| CAS: 108-10-1 EINECS: 203-550-1 Index number: 606-004-00-4 Reg.nr.: 01-2119473980-30 | 4-methylpentan-2-one Flam. Liq. 2, H225 Carc. 2, H351 Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H336 EUH066 ATE: LC50 / 4 h inhalative: 11 mg/m ³ | <2.5% |
| EC number: 915-687-0 Reg.nr.: 01-2119491304-40-xxxx | bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate Repr. 2, H361f Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Skin Sens. 1A, H317 | ≤0.5% |

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.

xylene: Contains ethylbenzene CAS 100-41-4

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 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: 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:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

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:

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: 2B

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 |
| 67-64-1 acetone | |
| WEL | Short-term value: 3620 mg/m ³ , 1500 ppm Long-term value: 1210 mg/m ³ , 500 ppm |
| xylene | |
| WEL | Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV |
| 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 |
| 110-12-3 5-methylhexan-2-one | |
| WEL | Short-term value: 475 mg/m ³ , 100 ppm Long-term value: 95 mg/m ³ , 20 ppm Sk |
| 112-07-2 2-butoxyethyl acetate | |
| WEL | Short-term value: 332 mg/m ³ , 50 ppm Long-term value: 133 mg/m ³ , 20 ppm |

| | |
|-------------------------------|--|
| Sk | |
| 108-10-1 4-methylpentan-2-one | |
| WEL | Short-term value: 416 mg/m ³ , 100 ppm Long-term value: 208 mg/m ³ , 50 ppm Sk, BMGV |
| DNELs | |
| 67-64-1 acetone | |
| Oral | DNEL 62 mg/kg /per day (Consumer, longterm systemic) |
| Dermal | DNEL 62 mg/kg /per day (Consumer, longterm systemic) |
| Inhalative | DNEL 186 mg/kg /per day (Worker, longterm systemic) |
| | DNEL 2420 mg/m ³ (Worker, acute local) |
| | DNEL 1210 mg/m ³ (Worker, longterm systemic) |
| | DNEL 200 mg/m ³ (Consumer, longterm systemic) |
| | DNEL 60 mg/m ³ |
| xylene | |
| Oral | DNEL 1.6 mg/kg /per day (Consumer, longterm systemic) |
| Dermal | DNEL 180 mg/kg /per day (Worker, longterm systemic) |
| Inhalative | DNEL 211 mg/m ³ (Worker, longterm systemic) |
| | DNEL 221 mg/m ³ (Worker, longterm local) |
| | DNEL 442 mg/m ³ (Worker, acute systemic) |
| | DNEL 289 mg/m ³ (Worker, acute local) |
| | DNEL 14.8 mg/m ³ (Consumer, longterm systemic) |
| | DNEL 260 mg/m ³ (Consumer; acute systemic) |
| | DNEL 65.3 mg/m ³ (Consumer, longterm local) |
| | DNEL 260 mg/m ³ (Consumer, acute local) |
| 123-86-4 n-butyl acetate | |
| Oral | DNEL 2 mg/kg /per day (Consumer, longterm systemic) |
| Dermal | DNEL 2 mg/kg /per day (Consumer, acute systemic) |
| | DNEL 11 mg/kg /per day (Worker, longterm systemic) |
| | DNEL 11 mg/kg /per day (Worker, acute systemic) |
| | DNEL 6 mg/kg /per day (Consumer, longterm systemic) |
| Inhalative | DNEL 6 mg/kg /per day (Consumer, acute systemic) |
| | DNEL 300 mg/m ³ (Worker, longterm systemic) |
| | DNEL 600 mg/m ³ (Worker, acute systemic) |
| | DNEL 300 mg/m ³ (Worker, longterm local) |
| | DNEL 600 mg/m ³ (Worker, acute local) |
| | DNEL 35.7 mg/m ³ (Consumer, longterm systemic) |
| | DNEL 300 mg/m ³ (Consumer; acute systemic) |
| | DNEL 35.7 mg/m ³ (Consumer, longterm local) |
| Hydrocarbons, C9, aromatics | |

| | | |
|-------------------------------|------------------------------------|--|
| Oral | DNEL | 11 mg/kg /per day (Consumer, longterm systemic) |
| Dermal | DNEL | 25 mg/kg /per day (Worker, longterm systemic) |
| | DNEL | 11 mg/kg /per day (Consumer, longterm systemic) |
| Inhalative | DNEL | 150 mg/m3 (Worker, longterm systemic) |
| | DNEL | 32 mg/m3 (Consumer, longterm systemic) |
| 108-10-1 4-methylpentan-2-one | | |
| Oral | DNEL | 4.2 mg/kg /per day (Consumer, longterm systemic) |
| Dermal | DNEL | 11.8 mg/kg /per day (Worker, longterm systemic) |
| | DNEL | 4.2 mg/kg /per day (Consumer, longterm systemic) |
| Inhalative | DNEL | 208 mg/m3 (Worker, acute local) |
| | DNEL | 208 mg/m3 (Worker, acute systemic) |
| | DNEL | 83 mg/m3 (Worker, longterm local) |
| | DNEL | 83 mg/m3 (Worker, longterm systemic) |
| | DNEL | 155.2 mg/m3 (Consumer; acute systemic) |
| | DNEL | 155.2 mg/m3 (Consumer, acute local) |
| | DNEL | 14.7 mg/m3 (Consumer, longterm systemic) |
| | DNEL | 14.7 mg/m3 (Consumer, longterm local) |
| PNECs | | |
| 67-64-1 acetone | | |
| PNEC | 10.6 mg/l (Freshwater) | |
| PNEC | 1.06 mg/l (Seawater) | |
| PNEC | 21 mg/l (Sporadic release) | |
| PNEC | 100 mg/l (Sewage treatment plant) | |
| PNEC | 30.4 mg/kg (Freshwater sediment) | |
| PNEC | 3.04 mg/kg (Seawater sediment) | |
| PNEC | 29.5 mg/kg (Soil) | |
| 123-86-4 n-butyl acetate | | |
| PNEC | 0.18 mg/l (Freshwater) | |
| PNEC | 0.018 mg/l (Seawater) | |
| PNEC | 0.36 mg/l (Sporadic release) | |
| PNEC | 35.6 mg/l (Sewage treatment plant) | |
| PNEC | 0.981 mg/kg (Freshwater sediment) | |
| PNEC | 0.0981 mg/kg (Seawater sediment) | |
| PNEC | 0.0903 mg/kg (Soil) | |
| 108-10-1 4-methylpentan-2-one | | |
| PNEC | 0.6 mg/l (Freshwater) | |
| PNEC | 0.06 mg/l (Seawater) | |
| PNEC | 1.5 mg/l (Sporadic release) | |
| PNEC | 27.5 mg/l (Sewage treatment plant) | |
| PNEC | 8.27 mg/kg (Freshwater sediment) | |
| PNEC | 0.83 mg/kg (Seawater sediment) | |

| | |
|--|--|
| PNEC | 1.3 mg/kg (Soil) |
| Ingredients with biological limit values: | |
| xylene | |
| BMGV | 650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid |
| 108-10-1 4-methylpentan-2-one | |
| BMGV | 20 µmol/L Medium: urine Sampling time: post shift Parameter: 4-methylpentan-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 Tightly sealed goggles

9 – PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

General Information

Physical state

Aerosol

Colour:

According to product specification

Odour:

Characteristic

Odour threshold:

Not determined.

Melting point/freezing point:

Undetermined.

Boiling point or initial boiling point and boiling range:

Not applicable, as aerosol.

Flammability:

Not applicable.

Lower and upper explosion limit

Lower:

2.6 Vol % (67-64-1 acetone)

Upper:

26.2 Vol % (115-10-6 dimethyl ether)

Flash point:

Not applicable, as aerosol.

Auto-ignition temperature:

240 °C (464 °F) (115-10-6 dimethyl ether)

Decomposition temperature:

Not determined.

pH:

Mixture is non-soluble (in water).

Viscosity:

Kinematic viscosity:

Not determined.

Dynamic:

Not determined.

Solubility

water:

Not miscible or difficult to mix.

Partition coefficient n-octanol/water (log value):

Not determined.

Vapour pressure at 20 °C (68 °F) :

4000 hPa (3000.2 mm Hg) (115-10-6 dimethyl ether)

Density and/or relative density

Density at 20 °C (68 °F):

0.8 g/cm³ (6.7 lbs/gal)

Relative density

Not determined.

Vapour density

Not determined.

Other information

Appearance:

Form:

Aerosol

Important information on protection of health and environment, and on safety.

| | |
|--|--|
| Explosive properties: | Not determined. |
| Solvent content: | |
| Organic solvents: | 83.0 % |
| VOC (EC) | --- |
| | 660.2 g/l |
| VOC-EU% | 82.52 % |
| Solids content: | 10.3 % |
| 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: | | |
|---|-------------|---------------------------------------|
| 67-64-1 acetone | | |
| Oral | LD50 | 5800 mg/kg (rat) |
| Dermal | LD50 | >15800 mg/kg (rabbit) |
| Inhalative | LC50 / 4h | 76 mg/l (rat) |
| | LC50 / 96 h | 5540 mg/l (oncorhynchus mykiss) |
| xylene | | |
| Oral | LD50 | 3523 mg/kg (rat) |
| Dermal | LD50 | 2000 mg/kg (rabbit) |
| Inhalative | LC50 / 4 h | 29000 mg/m3 (rat) |
| 123-86-4 n-butyl acetate | | |
| Oral | LD50 | 10800 mg/kg (rat) (OECD 401) |
| Dermal | LD50 | >17600 mg/kg (rabbit) |
| Inhalative | LC50 / 4 h | >21 mg/m3 (rat) |
| aliphatic polyisocyanate | | |
| Oral | LD50 | 2500 mg/kg (rat) (OECD 402) |
| Dermal | LD50 | 2000 mg/kg (rat) (OECD 402) |
| Inhalative | LC50 / 4 h | 400 mg/m3 (rat) |
| Hydrocarbons, C9, aromatics | | |
| Oral | LD50 | >5000 mg/kg (rat) (OECD 401) |
| Dermal | LD50 | >2000 mg/kg (rab) (OECD 402) |
| 108-10-1 4-methylpentan-2-one | | |
| Oral | LD50 | 2080 mg/kg (rat) |
| Dermal | LD50 | >2000 mg/kg (rat) |
| Inhalative | LC50 / 4 h | 11 mg/m3 (ATE) |
| bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | | |
| Oral | LD50 | 3230 mg/kg (rat) (OECD 401) |
| Dermal | LD50 | >3170 mg/kg (rat) (OECD 402) |
| | LC50 / 96 h | 0.9 mg/l (fish) (Oncorhynchus mykiss) |

Skin corrosion/irritation Causes skin irritation.

Serious eye damage/irritation Causes serious eye irritation

Respiratory or skin sensitisation May cause an allergic skin reaction.

Carcinogenicity Suspected of causing cancer.

STOT-single exposure May cause drowsiness or dizziness.

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) |
| 67-64-1 acetone | |
| LC50/96h | 8300 mg/l (fish) |
| EC50/96h | 7200 mg/l (algae) |
| LC50 / 48 h | 8450 mg/l (crustacean (water flea)) |
| xylene | |
| EC50 / 48 h | 7.4 mg/l (daphnia magna) |
| LC50 / 96 h | 13.5 mg/l (fish) |
| Hydrocarbons, C9, aromatics | |
| EC50 / 48 h | 302 mg/l (daphnia magna) |
| EC50 / 72 h | 2.75 mg/l (Pseudokirchneriella subcapitata) |
| EC50 / 96 h | 9.2 mg/l (Regenbogenforelle) |
| 108-10-1 4-methylpentan-2-one | |
| EC50 / 48 h | 275 mg/l (daphnia magna) |
| LC50 / 96 h | 179 mg/l (fish) |
| bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | |
| EC50 / 72 h | 1.68 mg/l (desmidesmus subspicatus / Grünalge) (Pseudokirchnerella subcapitata) |

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

Remark: Harmful to 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.
Harmful to 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.

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 Category | 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. |
| 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. |
| Maritime transport in bulk according to IMO | |
| Instruments: | 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.

| | | |
|---|---------|--------|
| Regulated explosives precursors | | |
| None of the ingredients is listed. | | |
| Regulated poisons | | |
| None of the ingredients is listed. | | |
| Reportable explosives precursors | | |
| 67-64-1 | acetone | Listed |
| Reportable poisons | | |
| None of the ingredients is listed. | | |

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.

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.

H351 Suspected of causing cancer.

H361f Suspected of damaging fertility.

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.

H411 Toxic to aquatic life with long lasting effects.

- EUH066 Repeated exposure may cause skin dryness or cracking.
- EUH204 Contains isocyanates. May produce an allergic reaction.

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

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

ATE: Acute toxicity estimate values

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. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

Carc. 2: Carcinogenicity – Category 2

Repr. 2: Reproductive toxicity – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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.