

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

Revision date: 05.07.2023

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

**Product details**

**Trade name:** 2K Headlight clear coat

**Article number:** 11014

**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:**

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.

<b>Dangerous components:</b>		
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 Reg.nr.: 01-2119485796-17	aliphatic polyisocyanate	2.5-<5%
	Acute Tox. 4, H312; Skin Sens. 1, H317; STOT SE 3, H335 EUH204	

CAS: 64742-95-6 EINECS: 265-199-0 Index number: 649-356-00-4 Reg.nr.: 01-2119486773-24	Solvent naphtha (petroleum), light arom.	<2.5%
	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 Skin Irrit. 2, H315; STOT SE 3, H336	
CAS: 110-12-3 EINECS: 203-737-8 Index number: 606-026-00-4	5-methylhexan-2-one	<2.5%
	Flam. Liq. 3, H226 Acute Tox. 4, H332	
CAS: 112-07-2 EINECS: 203-933-3 Index number: 607-038-00-2 Reg.nr.: 01-2119475112-47	2-butoxyethyl acetate	<2.5%
	Acute Tox. 4, H312; Acute Tox. 4, H332	
CAS: 108-10-1 EINECS: 203-550-1 Index number: 606-004-00-4 Reg.nr.: 01-2119473980-30	4-methylpentan-2-one	<2.5%
	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 <sup>3</sup>	
CAS: 95-63-6 EINECS: 202-436-9 Index number: 601-043-00-3 Reg.nr.: 01-2119472135-42	1,2,4-trimethylbenzene	<2.5%
	Flam. Liq. 3, H226 Aquatic Chronic 2, H411 Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	
EC number: 915-687-0 Reg.nr.: 01-2119491304-40	Bis(1,2,2,6,6-pentamethyl-4-piperidyl)sebacate	≤0.5%
	Aquatic Acute 1, H400; Aquatic Chronic 1, H410 Skin Sens. 1, H317	

#### 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 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:** 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 MEASURES**

### **Extinguishing media**

**Suitable extinguishing agents:**

CO<sub>2</sub>, 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 MEASURES**

### **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

<b>Ingredients with limit values that require monitoring at the workplace:</b>	
115-10-6 dimethyl ether	
WEL	Short-term value: 958 mg/m <sup>3</sup> , 500 ppm Long-term value: 766 mg/m <sup>3</sup> , 400 ppm
67-64-1 acetone	
WEL	Short-term value: 3620 mg/m <sup>3</sup> , 1500 ppm Long-term value: 1210 mg/m <sup>3</sup> , 500 ppm
xylene	
WEL	Short-term value: 441 mg/m <sup>3</sup> , 100 ppm Long-term value: 220 mg/m <sup>3</sup> , 50 ppm Sk; BMGV
123-86-4 n-butyl acetate	
WEL	Short-term value: 966 mg/m <sup>3</sup> , 200 ppm Long-term value: 724 mg/m <sup>3</sup> , 150 ppm
110-12-3 5-methylhexan-2-one	
WEL	Short-term value: 475 mg/m <sup>3</sup> , 100 ppm Long-term value: 95 mg/m <sup>3</sup> , 20 ppm Sk
112-07-2 2-butoxyethyl acetate	

WEL	Short-term value: 332 mg/m <sup>3</sup> , 50 ppm Long-term value: 133 mg/m <sup>3</sup> , 20 ppm Sk	
108-10-1 4-methylpentan-2-one		
WEL	Short-term value: 416 mg/m <sup>3</sup> , 100 ppm Long-term value: 208 mg/m <sup>3</sup> , 50 ppm Sk, BMGV	
95-63-6 1,2,4-trimethylbenzene		
WEL	Long-term value: 125 mg/m <sup>3</sup> , 25 ppm ILV	
<b>DNELs</b>		
67-64-1 acetone		
Oral	DNEL	62 mg/kg /per day (Consumer, longterm systemic)
Dermal	DNEL	62 mg/kg /per day (Consumer, longterm systemic)
	DNEL	186 mg/kg /per day (Worker, longterm systemic)
Inhalative	DNEL	2420 mg/m <sup>3</sup> (Worker, acute local)
	DNEL	1210 mg/m <sup>3</sup> (Worker, longterm systemic)
	DNEL	200 mg/m <sup>3</sup> (Consumer, longterm systemic)
	DNEL	60 mg/m <sup>3</sup>
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 <sup>3</sup> (Worker, longterm systemic)
	DNEL	221 mg/m <sup>3</sup> (Worker, longterm local)
	DNEL	442 mg/m <sup>3</sup> (Worker, acute systemic)
	DNEL	289 mg/m <sup>3</sup> (Worker, acute local)
	DNEL	14.8 mg/m <sup>3</sup> (Consumer, longterm systemic)
	DNEL	260 mg/m <sup>3</sup> (Consumer; acute systemic)
	DNEL	65.3 mg/m <sup>3</sup> (Consumer, longterm local)
	DNEL	260 mg/m <sup>3</sup> (Consumer, acute local)
123-86-4 n-butyl acetate		

Oral	DNEL	2 mg/kg /per day (Consumer, longterm systemic)
	DNEL	2 mg/kg /per day (Consumer, acute systemic)
Dermal	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/m3 (Worker, longterm systemic)
	DNEL	600 mg/m3 (Worker, acute systemic)
	DNEL	300 mg/m3 (Worker, longterm local)
	DNEL	600 mg/m3 (Worker, acute local)
	DNEL	35.7 mg/m3 (Consumer, longterm systemic)
	DNEL	300 mg/m3 (Consumer; acute systemic)
	DNEL	35.7 mg/m3 (Consumer, longterm local)
64742-95-6 Solvent naphtha (petroleum), light arom.		
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)
<b>PNECs</b>		
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)
<b>123-86-4 n-butyl acetate</b>	
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)
<b>108-10-1 4-methylpentan-2-one</b>	
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)
<b>Ingredients with biological limit values:</b>	
xylene	
BMGV	650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid
<b>108-10-1 4-methylpentan-2-one</b>	
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 eyes and skin.
- Avoid contact with the eyes.

**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

**Hand protection:** 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**

<b>Physical state:</b>	<i>Aerosol</i>
<b>Colour:</b>	<i>According to product specification</i>
<b>Odour:</b>	<i>Characteristic</i>
<b>Odour threshold:</b>	<i>Not determined.</i>
<b>Melting point/freezing point:</b>	<i>Undetermined.</i>
<b>Boiling point or initial boiling point and boiling range:</b>	<i>Not applicable, as aerosol.</i>
<b>Flammability:</b>	<i>Not applicable.</i>
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	<i>2.6 Vol % (67-64-1 acetone)</i>

<b>Upper:</b>	<i>26.2 Vol % (115-10-6 dimethyl ether)</i>
<b>Flash point:</b>	<i>Not applicable, as aerosol.</i>
<b>Auto-ignition temperature:</b>	<i>240 °C (464 °F) (115-10-6 dimethyl ether)</i>
<b>Decomposition temperature:</b>	<i>Not determined.</i>
<b>pH:</b>	<i>Mixture is non-soluble (in water).</i>
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	<i>Not determined.</i>
<b>Dynamic:</b>	<i>Not determined.</i>
<b>Solubility</b>	
<b>water:</b>	<i>Not miscible or difficult to mix.</i>
<b>Partition coefficient n-octanol/water (log value):</b>	<i>Not determined.</i>
<b>Vapour pressure at 20 °C (68 °F):</b>	<i>4000 hPa (3000.2 mm Hg) (115-10-6 dimethyl ether)</i>
<b>Density and/or relative density</b>	
<b>Density at 20 °C (68 °F):</b>	<i>0.8 g/cm<sup>3</sup> (6.7 lbs/gal)</i>
<b>Relative density:</b>	<i>Not determined.</i>
<b>Vapour density:</b>	<i>Not determined.</i>
<b>Other information</b>	
<b>Appearance:</b>	
<b>Form:</b>	<i>Aerosol</i>
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Explosive properties:</b>	<i>Not determined.</i>
<b>Solvent content:</b>	
<b>Organic solvents:</b>	<i>83.0 %</i>
<b>VOC (EC)</b>	<i>---</i>
	<i>677.2 g/l</i>
<b>VOC-EU%</b>	<i>82.59 %</i>
<b>Solids content:</b>	<i>10.3 %</i>
<b>Change in condition</b>	
<b>Evaporation rate:</b>	<i>Not applicable.</i>
<b>Information with regard to physical hazard classes</b>	
<b>Explosives:</b>	<i>Void</i>
<b>Flammable gases:</b>	<i>Void</i>
<b>Aerosols:</b>	<i>Extremely flammable aerosol. Pressurised container: May burst if heated.</i>
<b>Oxidising gases:</b>	<i>Void</i>
<b>Gases under pressure:</b>	<i>Void</i>
<b>Flammable liquids:</b>	<i>Void</i>
<b>Flammable solids:</b>	<i>Void</i>

<b>Self-reactive substances and mixtures:</b>	<i>Void</i>
<b>Pyrophoric liquids:</b>	<i>Void</i>
<b>Pyrophoric solids:</b>	<i>Void</i>
<b>Self-heating substances and mixtures:</b>	<i>Void</i>
<b>Substances and mixtures, which emit flammable gases in contact with water:</b>	<i>Void</i>
<b>Oxidising liquids:</b>	<i>Void</i>
<b>Oxidising solids:</b>	<i>Void</i>
<b>Organic peroxides:</b>	<i>Void</i>
<b>Corrosive to metals:</b>	<i>Void</i>
<b>Desensitised explosives:</b>	<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**

<b>LD/LC50 values relevant for classification:</b>		
67-64-1 acetone		
Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	>15800 mg/kg (rabbit)
Inhalative	LC50 / 4h	76 mg/l (rat)
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/m <sup>3</sup> (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/m <sup>3</sup> (rat)
64742-95-6 Solvent naphtha (petroleum), light arom.		
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/m <sup>3</sup> (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 sensitization:** May cause an allergic skin reaction.

**Carcinogenicity:** Suspected of causing cancer.

**STOT-single exposure:** May cause drowsiness or dizziness.

**Information on other hazards**

<b>Endocrine disrupting properties</b>
None of the ingredients is listed.

## 12 – ECOLOGICAL INFORMATION

### Toxicity

<b>Aquatic toxicity:</b>	
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)
64742-95-6 Solvent naphtha (petroleum), light arom.	
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 (desmdesmus 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:** Dispose of packaging according to regulations on the disposal of packagings.

## 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 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**  
**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.  
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 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  
Carc. 2: Carcinogenicity – 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.