

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version		Revision Date:	Date of last issue: 10.10.2023
1.2	DE / EN	25.06.2024	Date of first issue: 09.08.2022

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : Carsystem 1K Easy Primer
Product code : 151.537

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

Use of the Sub-stance/Mixture : Paints
Recommended restrictions : Industrial use, professional use on use

1.3 Details of the supplier of the safety data sheet

Company : JASA AG
Müslistrasse 43
8957 Spreitenbach
Schweiz
info@jasa-ag.ch, www.jasa-ag.ch
Telephone : +41 (0)44 431 60 70
Telefax : +41 (0)44 432 63 17
Responsible Department : Productmanagement, Tel: +41 (0)44 431 60 70, sds@jasa-ag.ch

1.4 Emergency telephone

Telephone : Tox Info Suisse (STIZ), Tel: 145

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version	Revision Date:	Date of last issue: 10.10.2023
1.2 DE / EN	25.06.2024	Date of first issue: 09.08.2022

SECTION 2: Hazards identification


2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Aerosols, Category 1	H222: Extremely flammable aerosol. H229: Pressurised container: May burst if heated.
Skin irritation, Category 2	H315: Causes skin irritation.
Serious eye damage, Category 1	H318: Causes serious eye damage.
Skin sensitization, Category 1	H317: May cause an allergic skin reaction.
Specific target organ toxicity - single exposure, Category 3, Central nervous system	H336: May cause drowsiness or dizziness.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:	
Signal Word	:	Danger
Hazard Statements	:	H222 Extremely flammable aerosol. H229 Pressurised container: May burst if heated. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H336 May cause drowsiness or dizziness.
Supplemental Hazard Statements	:	Buildup of explosive mixtures possible without sufficient ventilation.
Precautionary Statements	:	P101 If medical advice is needed, have product container or label at hand. P102 Keep out of reach of children. Prevention: 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/ face pro-

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version
1.2

DE / EN

Revision Date:
25.06.2024

Date of last issue: 10.10.2023
Date of first issue: 09.08.2022

tection.

Response:

P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

Storage:

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

Disposal:

P501 Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

Hazardous ingredients which must be listed on the label:

propan-1-ol

acetone

2-methylpropan-1-ol

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight 700-1000)

Additional Labeling

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical nature : aerosol
Mixture

Components

Chemical name	CAS-No. EC-No. Index-No.	Classification	Concentration (% w/w)

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version
1.2

DE / EN

Revision Date:
25.06.2024

Date of last issue: 10.10.2023
Date of first issue: 09.08.2022

	Registration number		
propan-1-ol	71-23-8 200-746-9 603-003-00-0 01-2119486761-29	Flam. Liq. 2; H225 Eye Dam. 1; H318 STOT SE 3; H336 (Central nervous system)	>= 20 - < 25
acetone	67-64-1 200-662-2 606-001-00-8 01-2119471330-49	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 (Central nervous system) EUH066	>= 10 - < 12,5
2-methylpropan-1-ol	78-83-1 201-148-0 603-108-00-1 01-2119484609-23	Flam. Liq. 3; H226 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H336 (Central nervous system) STOT SE 3; H335 (Respiratory system)	>= 5 - < 10
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]	13463-67-7 236-675-5 022-006-00-2 01-2119489379-17	Carc. 2; H351	>= 2,5 - < 5
butanone	78-93-3 201-159-0 606-002-00-3 01-2119457290-43	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336 (Central nervous system) EUH066	>= 2,5 - < 5
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight 700-1000)	25068-38-6 500-033-5 603-074-00-8 01-2119456619-26	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Chronic 2; H411 specific concentration limit Eye Irrit. 2; H319 >= 5 % Skin Irrit. 2; H315 >= 5 %	>= 1 - < 2,5
2-methoxy-1-methylethyl acetate	108-65-6 203-603-9 607-195-00-7 01-2119475791-29	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system)	>= 1 - < 2,5
1-methoxy-2-propanol	107-98-2 203-539-1 603-064-00-3 01-2119457435-35	Flam. Liq. 3; H226 STOT SE 3; H336 (Central nervous system)	>= 1 - < 2,5

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version 1.2 DE / EN Revision Date: 25.06.2024 Date of last issue: 10.10.2023
Date of first issue: 09.08.2022

butan-1-ol	71-36-3 200-751-6 603-004-00-6 01-2119484630-38	Flam. Liq. 3; H226 Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H336 (Central nervous system) STOT SE 3; H335 (Respiratory system) <hr/> Acute toxicity estimate Acute oral toxicity: 500 mg/kg	$\geq 1 - < 2,5$
Substances with a workplace exposure limit :			
dimethyl ether	115-10-6 204-065-8 603-019-00-8 01-2119472128-37	Flam. Gas 1A; H220 Press. Gas Compr. Gas; H280	$\geq 12,5 - < 20$

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures

- General advice : First aider needs to protect himself.
Remove from exposure, lie down.
If unconscious, place in recovery position and seek medical advice.
Take off contaminated clothing and shoes immediately.
- If inhaled : Move to fresh air.
If symptoms persist, call a physician.
- In case of skin contact : Wash off immediately with soap and plenty of water.
If symptoms persist, call a physician.
- In case of eye contact : In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Consult a physician.
- If swallowed : Swallowing is not regarded as a possible method for exposure.
Immediately give large quantities of water to drink.
Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

- Risks : Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye damage.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version	Revision Date:	Date of last issue: 10.10.2023
1.2 DE / EN	25.06.2024	Date of first issue: 09.08.2022

May cause drowsiness or dizziness.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media : Carbon dioxide (CO₂)
Dry powder
Water spray jet
Alcohol-resistant foam

Unsuitable extinguishing media : High volume water jet

5.2 Special hazards arising from the substance or mixture

Specific hazards during fire fighting : Vapors may form explosive mixtures with air.
Build-up of dangerous/toxic fumes possible in cases of fire/high temperature.

Hazardous combustion products : Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).

5.3 Advice for firefighters

Special protective equipment for fire-fighters : Use personal protective equipment. Wear suitable respiratory protection equipment.

Further information : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Use water spray to cool unopened containers.
In the event of fire and/or explosion do not breathe fumes.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Wear personal protective equipment.
Evacuate personnel to safe areas.
Remove all sources of ignition.
Ensure adequate ventilation.
Avoid inhalation of vapor or mist.
Avoid contact with skin, eyes and clothing.

6.2 Environmental precautions

Environmental precautions : Should not be released into the environment.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version	Revision Date:	Date of last issue: 10.10.2023
1.2 DE / EN	25.06.2024	Date of first issue: 09.08.2022

If the product contaminates rivers and lakes or drains inform
respective authorities.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Ventilate the area.
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

For personal protection see section 8., For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Local/Total ventilation : Ensure adequate ventilation.

Advice on safe handling : Pressurized container: Protect from sunlight and do not ex-
pose to temperatures exceeding 50°C / 122 °F. Also after use,
do not open with force or burn.
Provide sufficient air exchange and/or exhaust in work rooms.

Advice on protection against : Do not spray on a naked flame or any incandescent material.
fire and explosion : Keep away from open flames, hot surfaces and sources of
ignition. Keep away from direct sunlight.

Do not smoke.

Hygiene measures : Do not inhale aerosol.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage : Please observe the storage instructions for aerosols! Keep
areas and containers : containers tightly closed in a cool, well-ventilated place. Sol-
vent vapors are heavier than air and may spread along floors.
Keep away from direct sunlight. Keep away from heat and
sources of ignition.

Further information on stor- : Storage must be in accordance with the BetrSichV (Germany).
age conditions

Advice on common storage : Keep away from food and drink.

Storage class (TRGS 510) : 2B

7.3 Specific end use(s)

Specific use(s) : No data available

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version
1.2

DE / EN

Revision Date:
25.06.2024

Date of last issue: 10.10.2023
Date of first issue: 09.08.2022

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
dimethyl ether	115-10-6	TWA	1.000 ppm 1.920 mg/m ³	2000/39/EC
		Further information: Indicative		
		AGW	1.000 ppm 1.900 mg/m ³	DE TRGS 900
		Peak-limit category: 8;(II)		
		MAK	1.000 ppm 1.900 mg/m ³	DE DFG MAK
		Further information: Either there are no data for an assessment of damage to the embryo or foetus, including developmental neurotoxicity, or the currently available data are not sufficient for classification in one of the groups A - C		
acetone	67-64-1	TWA	500 ppm 1.210 mg/m ³	2000/39/EC
		Further information: Indicative		
		AGW	500 ppm 1.200 mg/m ³	DE TRGS 900
		Peak-limit category: 2;(I)		
		Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child		
		MAK	500 ppm 1.200 mg/m ³	DE DFG MAK
		Further information: According to currently available information damage to the embryo or foetus cannot be excluded after exposure to concentrations at the level of the MAK and BAT values		
propane	74-98-6	AGW	1.000 ppm 1.800 mg/m ³	DE TRGS 900
		Peak-limit category: 4;(II)		
		MAK	1.000 ppm 1.800 mg/m ³	DE DFG MAK
		Further information: Either there are no data for an assessment of damage to the embryo or foetus, including developmental neurotoxicity, or the currently available data are not sufficient for classification in one of the groups A - C		
butane (containing < 0,1 % butadiene (203-450-8))	106-97-8	AGW	1.000 ppm 2.400 mg/m ³	DE TRGS 900
		Peak-limit category: 4;(II)		
2-methylpropan-1-ol	78-83-1	AGW	100 ppm 310 mg/m ³	DE TRGS 900
		Peak-limit category: 1;(I)		
		Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child		
		MAK	100 ppm 310 mg/m ³	DE DFG MAK

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version
1.2

DE / EN

Revision Date:
25.06.2024

Date of last issue: 10.10.2023
Date of first issue: 09.08.2022

	Further information: Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed			
titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]	13463-67-7	AGW (Inhalable fraction)	10 mg/m ³ (Titanium dioxide)	DE TRGS 900
	Peak-limit category: 2;(II)			
	Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
		AGW (Alveolate fraction)	1,25 mg/m ³ (Titanium dioxide)	DE TRGS 900
	Peak-limit category: 2;(II)			
	Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
		BM (Alveolar dust fraction)	0,5 mg/m ³	DE TRGS 527
		MAK (measured as the alveolate fraction)	0,3 mg/m ³	DE DFG MAK
	Further information: Substances that cause cancer in humans or animals or that are considered to be carcinogenic for humans and for which a MAK value can be derived., Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed			
butanone	78-93-3	TWA	200 ppm 600 mg/m ³	2000/39/EC
	Further information: Indicative			
		STEL	300 ppm 900 mg/m ³	2000/39/EC
	Further information: Indicative			
		AGW	200 ppm 600 mg/m ³	DE TRGS 900
	Peak-limit category: 1;(I)			
	Further information: Skin absorption, When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
		MAK	200 ppm 600 mg/m ³	DE DFG MAK
	Further information: Danger of absorption through the skin, Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed			
isobutane (< 0,1% 1,3-butadiene (203-450-8))	75-28-5	AGW	1.000 ppm 2.400 mg/m ³	DE TRGS 900
	Peak-limit category: 4;(II)			
2-methoxy-1-methylethyl acetate	108-65-6	STEL	100 ppm 550 mg/m ³	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		TWA	50 ppm 275 mg/m ³	2000/39/EC

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version
1.2

DE / EN

Revision Date:
25.06.2024

Date of last issue: 10.10.2023
Date of first issue: 09.08.2022

	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		AGW	50 ppm 270 mg/m ³	DE TRGS 900
	Peak-limit category: 1;(I)			
	Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
		MAK	50 ppm 270 mg/m ³	DE DFG MAK
	Further information: Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed			
1-methoxy-2-propanol	107-98-2	TWA	100 ppm 375 mg/m ³	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		STEL	150 ppm 568 mg/m ³	2000/39/EC
	Further information: Identifies the possibility of significant uptake through the skin, Indicative			
		AGW	100 ppm 370 mg/m ³	DE TRGS 900
	Peak-limit category: 2;(I)			
	Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
		MAK	100 ppm 370 mg/m ³	DE DFG MAK
	Further information: Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed			
butan-1-ol	71-36-3	AGW	100 ppm 310 mg/m ³	DE TRGS 900
	Peak-limit category: 1;(I)			
	Further information: When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			
		MAK	100 ppm 310 mg/m ³	DE DFG MAK
	Further information: Damage to the embryo or foetus is unlikely when the MAK value or the BAT value is observed			

Biological occupational exposure limits

Substance name	CAS-No.	Control parameters	Sampling time	Basis
acetone	67-64-1	Acetone: 50 mg/l (Urine)	Immediately after exposure or after working hours	TRGS 903
		Acetone: 50 mg/l (Urine)	Immediately after exposition or after working hours	DE DFG BAT
butanone	78-93-3	2-butanone: 2 mg/l (Urine)	Immediately after exposure or after working hours	TRGS 903
		2-butanon: 5 mg/l (Urine)	Immediately after exposition or after working hours	DE DFG BAT

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version
1.2

DE / EN

Revision Date:
25.06.2024

Date of last issue: 10.10.2023
Date of first issue: 09.08.2022

1-methoxy-2-propanol	107-98-2	1-Methoxypropan-2-ol: 15 mg/l (Urine)	Immediately after exposure or after working hours	TRGS 903
		1-methoxypropanol-2: 15 mg/l (Urine)	Immediately after exposition or after working hours	DE DFG BAT
butan-1-ol	71-36-3	1-butanol: 2 mg/g creatinine (Urine)	Before next shift	TRGS 903
		1-butanol: 10 mg/g creatinine (Urine)	Immediately after exposure or after working hours	TRGS 903
		1-butanol: 2 mg/g creatinine (Urine)	Before next shift	DE DFG BAT
		1-butanol: 10 mg/g creatinine (Urine)	Immediately after exposition or after working hours	DE DFG BAT

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Routes of exposure	Potential health effects	Value
propan-1-ol	Workers	Inhalation	Long-term systemic effects	268 mg/m ³
	Workers	Inhalation	Acute systemic effects	1723 mg/m ³
	Workers	Skin contact	Long-term systemic effects	136 mg/kg
	Consumers	Inhalation	Long-term systemic effects	80 mg/m ³
	Consumers	Inhalation	Acute systemic effects	1036 mg/m ³
	Consumers	Skin contact	Long-term systemic effects	81 mg/kg
	Consumers	Oral	Long-term systemic effects	61 mg/kg
acetone	Workers	Inhalation	Long-term systemic effects	1210 mg/m ³
	Workers	Inhalation	Long-term local effects	2420 mg/m ³
	Workers	Skin contact	Long-term systemic effects	186 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	200 mg/m ³
	Consumers	Skin contact, Oral	Long-term systemic effects	62 mg/kg bw/day
2-methylpropan-1-ol	Consumers	Inhalation	Long-term systemic effects	55 mg/m ³
	Workers	Inhalation	Long-term local effects	310 mg/m ³
butanone	Workers	Inhalation	Long-term systemic	600 mg/m ³

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version
1.2

DE / EN

Revision Date:
25.06.2024

Date of last issue: 10.10.2023
Date of first issue: 09.08.2022

			effects	
	Workers	Skin contact	Long-term systemic effects	1161 mg/kg
	Consumers	Inhalation	Long-term systemic effects	106 mg/m ³
	Consumers	Skin contact	Long-term systemic effects	412 mg/kg
	Consumers	Oral	Long-term systemic effects	31 mg/kg
reaction product: bi-sphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight 700-1000)	Workers	Inhalation	Long-term systemic effects	12,25 mg/m ³
	Workers	Skin contact	Long-term systemic effects	8,33 mg/m ³
2-methoxy-1-methylethyl acetate	Workers	Inhalation	Long-term systemic effects	275 mg/m ³
	Workers	Skin contact	Long-term systemic effects	796 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	33 mg/m ³
	Consumers	Skin contact	Long-term systemic effects	320 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	36 mg/kg bw/day
1-methoxy-2-propanol	Workers	Inhalation	Long-term systemic effects	369 mg/m ³
	Workers	Inhalation	Acute systemic effects, Acute local effects	553,5 mg/m ³
	Workers	Skin contact	Long-term systemic effects	183 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	43,9 mg/m ³
	Consumers	Skin contact	Long-term systemic effects	78 mg/kg bw/day
	Consumers	Oral	Long-term systemic effects	33 mg/kg bw/day
butan-1-ol	Workers	Inhalation	Long-term systemic effects	310 mg/m ³
	Consumers	Inhalation	Long-term systemic effects	55,357 mg/m ³
	Consumers	Dermal		3,125 mg/kg bw/day

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
propan-1-ol	Fresh water	10 mg/l
	Sea water	1 mg/l
	Sewage treatment plant (STP)	96 mg/l

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version
1.2

DE / EN

Revision Date:
25.06.2024

Date of last issue: 10.10.2023
Date of first issue: 09.08.2022

	Fresh water sediment	22,8 mg/kg
	Sea sediment	2,28 mg/kg
	Soil	2,2 mg/kg
acetone	Fresh water	10,6 mg/l
	Sea water	1,06 mg/l
	Sewage treatment plant (STP)	100 mg/l
	Fresh water sediment	30,4 mg/kg dry weight (d.w.)
	Sea sediment	3,04 mg/kg dry weight (d.w.)
	Soil	29,5 mg/kg dry weight (d.w.)
butanone	Fresh water	55,8 mg/l
	Sea water	55,8 mg/l
	Sewage treatment plant (STP)	709 mg/l
	Fresh water sediment	284,74 mg/kg
	Sea sediment	284,7 mg/kg
	Soil	22,5 mg/kg
reaction product: bisphenol-A- (epichlorhydrin); epoxy resin (number average molecular weight 700-1000)	Fresh water	0,006 mg/l
	Sea water	0,0006 mg/l
	Fresh water sediment	0,0627 mg/kg
	Sea sediment	0,00627 mg/kg
	Sewage treatment plant (STP)	10 mg/l
	Soil	0,0478 mg/kg
2-methoxy-1-methylethyl acetate	Fresh water	0,635 mg/l
	Sea water	0,064 mg/l
	Sewage treatment plant (STP)	100 mg/l
	Fresh water sediment	3,29 mg/kg dry weight (d.w.)
	Sea sediment	0,329 mg/kg dry weight (d.w.)
	Soil	0,29 mg/kg dry weight (d.w.)
1-methoxy-2-propanol	Fresh water	10 mg/l
	Sea water	1 mg/l
	Sewage treatment plant (STP)	100 mg/l
	Fresh water sediment	52,3 mg/kg dry weight (d.w.)
	Sea sediment	5,2 mg/kg dry weight (d.w.)
	Soil	4,59 mg/kg dry weight (d.w.)
butan-1-ol	Fresh water	0,082 mg/l
	Fresh water sediment	0,324 mg/kg dry weight (d.w.)
	Sea water	0,008 mg/l
	Sea sediment	0,032 mg/kg dry weight (d.w.)
	Sewage treatment plant (STP)	2476 mg/l

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version	Revision Date:	Date of last issue: 10.10.2023
1.2 DE / EN	25.06.2024	Date of first issue: 09.08.2022

	Soil	0,017 mg/kg dry weight (d.w.)
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8.2 Exposure controls

Personal protective equipment

Eye/face protection : Tightly fitting safety goggles
Safety glasses with side-shields conforming to EN166

Hand protection

Material : butyl-rubber
Break through time : > 480 min
Glove thickness : >= 0,4 mm
Directive : DIN EN 374
Protective index : Class 6

Remarks : The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. The exact break through time can be obtained from the protective glove producer and this has to be observed. Preventive skin protection

Skin and body protection : Please wear suitable protective clothing, e.g. made of cotton or heat-resistant synthetic fibres.
Long sleeved clothing

Respiratory protection : No personal respiratory protective equipment normally required.
In case of inadequate ventilation wear respiratory protection.
When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Filter type : Filter type A-P

Protective measures : Use only with adequate ventilation.
When using do not eat, drink or smoke.
Avoid contact with skin, eyes and clothing.
Do not breathe vapors or spray mist.

Follow the skin protection plan.

Environmental exposure controls

Soil : Avoid subsoil penetration.
Water : Do not flush into surface water or sanitary sewer system.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : aerosol

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version	Revision Date:	Date of last issue: 10.10.2023
1.2	25.06.2024	Date of first issue: 09.08.2022

Color	:	white
Odor	:	characteristic
Melting point/freezing point	:	not determined
Initial boiling point and boiling range	:	Not applicable
Upper explosion limit / Upper flammability limit	:	Upper explosion limit 26,2 %(V)
Lower explosion limit / Lower flammability limit	:	Lower explosion limit 1,2 %(V)
Flash point	:	Not applicable
Autoignition temperature	:	240 °C
pH	:	not determined substance/mixture is non-soluble (in water)
Viscosity	:	
Viscosity, dynamic	:	not determined
Viscosity, kinematic	:	not determined
Solubility(ies)	:	
Water solubility	:	immiscible
Partition coefficient: n-octanol/water	:	not determined
Vapor pressure	:	4.000 hPa (20 °C)
Density	:	0,87 g/cm ³ (20 °C)

9.2 Other information

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version	Revision Date:	Date of last issue: 10.10.2023
1.2 DE / EN	25.06.2024	Date of first issue: 09.08.2022

Explosives	:	Not explosive In use, may form flammable/explosive vapour-air mixture.
Self-ignition	:	not auto-flammable

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if used as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Vapors may form explosive mixture with air.

10.4 Conditions to avoid

Conditions to avoid : Keep away from heat and sources of ignition.
Strong sunlight for prolonged periods.

10.5 Incompatible materials

Materials to avoid : No data available

10.6 Hazardous decomposition products

Build-up of dangerous/toxic fumes possible in cases of fire/high temperature.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Not classified due to lack of data.

Product:

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg
Method: Calculation method

Components:

propan-1-ol:

Acute oral toxicity : LD50 Oral (Rat): ca. 8.000 mg/kg
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): > 33,8 mg/l
Exposure time: 4 h
Test atmosphere: vapor
Method: OECD Test Guideline 403

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version	Revision Date:	Date of last issue: 10.10.2023
1.2 DE / EN	25.06.2024	Date of first issue: 09.08.2022

Acute dermal toxicity : LD50 Dermal (Rabbit): 4.032 mg/kg
Method: OECD Test Guideline 402

acetone:

Acute oral toxicity : LD50 Oral (Rat): 5.800 mg/kg

Acute inhalation toxicity : LC50 (Rat): ca. 76 mg/l
Exposure time: 4 h
Test atmosphere: vapor

Acute dermal toxicity : LD50 Dermal (Rabbit): > 7.400 mg/kg

2-methylpropan-1-ol:

Acute oral toxicity : LD50 Oral (Rat): > 2.830 mg/kg

Acute inhalation toxicity : LC50 (Rat): 24,6 mg/l
Exposure time: 4 h
Test atmosphere: vapor

Acute dermal toxicity : LD50 Dermal (Rabbit): 2.460 mg/kg
Method: OECD Test Guideline 402

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]:

Acute oral toxicity : LD50 Oral (Rat): > 5.000 mg/kg

Acute inhalation toxicity : LD50 (Rat): > 6,82 mg/l
Exposure time: 4 h
Test atmosphere: dust/mist

butanone:

Acute oral toxicity : LD50 Oral (Rat): 3.460 mg/kg
Method: OECD Test Guideline 423

Acute dermal toxicity : LD50 Dermal (Rabbit): 5.000 mg/kg
Method: OECD Test Guideline 402

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight 700-1000):

Acute oral toxicity : LD50 Oral (Rat): 15.000 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): 23.000 mg/kg

2-methoxy-1-methylethyl acetate:

Acute oral toxicity : LD50 Oral (Rat): 6.190 mg/kg
Method: OECD Test Guideline 401

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version 1.2 DE / EN Revision Date: 25.06.2024 Date of last issue: 10.10.2023
Date of first issue: 09.08.2022

Acute inhalation toxicity : Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 Dermal (Rabbit): > 5.000 mg/kg
Method: OECD Test Guideline 402

1-methoxy-2-propanol:

Acute oral toxicity : LD50 Oral (Rat): 4.016 mg/kg

Acute inhalation toxicity : LC0 (Rat): > 7000 ppm
Test atmosphere: vapor
Method: OECD Test Guideline 403
Assessment: The substance or mixture has no acute inhalation toxicity

Acute dermal toxicity : LD50 Dermal (Rat): > 2.000 mg/kg
Method: Regulation (EC) No. 440/2008, Annex, B.3

butan-1-ol:

Acute oral toxicity : Acute toxicity estimate: 500 mg/kg
Method: Converted acute toxicity point estimate
Remarks: (*) Converted acute toxicity point estimate according to Table 3.1.2 of Annex I.

Acute dermal toxicity : (Rabbit): 3.430 mg/kg
Method: OECD Test Guideline 402

Skin corrosion/irritation

Causes skin irritation.

Components:

propan-1-ol:

Species : Rabbit
Method : OECD Test Guideline 404
Result : No skin irritation

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]:

Remarks : No skin irritation

Serious eye damage/eye irritation

Causes serious eye damage.

Components:

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]:

Remarks : Dust contact with the eyes can lead to mechanical irritation.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version
1.2

DE / EN

Revision Date:
25.06.2024

Date of last issue: 10.10.2023
Date of first issue: 09.08.2022

Respiratory or skin sensitization

Skin sensitization

May cause an allergic skin reaction.

Respiratory sensitization

Not classified due to lack of data.

Components:

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]:

Remarks : No known sensitising effect.

Germ cell mutagenicity

Not classified due to lack of data.

Carcinogenicity

Not classified due to lack of data.

Reproductive toxicity

Not classified due to lack of data.

STOT-single exposure

May cause drowsiness or dizziness.

Components:

butanone:

Assessment : May cause drowsiness or dizziness.

2-methoxy-1-methylethyl acetate:

Routes of exposure : Oral
Target Organs : Central nervous system
Assessment : May cause drowsiness or dizziness.

1-methoxy-2-propanol:

Assessment : May cause drowsiness or dizziness.

STOT-repeated exposure

Not classified due to lack of data.

Repeated dose toxicity

Components:

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight 700-1000):

NOAEL : 50 mg/kg
Application Route : Oral

NOAEL : 100 mg/kg

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version	Revision Date:	Date of last issue: 10.10.2023
1.2 DE / EN	25.06.2024	Date of first issue: 09.08.2022

Application Route : Skin contact

Aspiration toxicity

Not classified due to lack of data.

Components:

1-methoxy-2-propanol:

No aspiration toxicity classification

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 12: Ecological information

12.1 Toxicity

Components:

propan-1-ol:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 4.555 mg/l
End point: mortality
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 3.644 mg/l
Exposure time: 48 h
Method: DIN 38412

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 9.170 mg/l
End point: Growth rate
Exposure time: 48 h

NOEC (Chlorella pyrenoidosa): 1.150 mg/l
End point: Growth rate
Exposure time: 48 h

Toxicity to microorganisms : EC50 (Bacteria): > 1.000 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209

Toxicity to daphnia and other : NOEC: > 100 mg/l

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version	Revision Date:	Date of last issue: 10.10.2023
1.2 DE / EN	25.06.2024	Date of first issue: 09.08.2022

aquatic invertebrates (Chronic toxicity)
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Test Type: semi-static test
Method: OECD Test Guideline 211

Ecotoxicology Assessment

Acute aquatic toxicity : This product has no known ecotoxicological effects.

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

acetone:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 5.540 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia pulex (Water flea)): 8.800 mg/l
End point: mortality
Exposure time: 48 h

Toxicity to algae/aquatic plants : NOEC (algae): 430 mg/l
Exposure time: 96 h

Toxicity to microorganisms : EC10 (Bacteria): 1.000 mg/l
Exposure time: 0,5 h
Method: OECD Test Guideline 209

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 2.212 mg/l
Exposure time: 28 d
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211

2-methylpropan-1-ol:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 1.430 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia pulex (Water flea)): 1.100 mg/l
Exposure time: 48 h

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 20 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]:

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 1.000 mg/l
Exposure time: 48 h

butanone:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 2.993 mg/l
End point: mortality

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version	Revision Date:	Date of last issue: 10.10.2023
1.2	25.06.2024	Date of first issue: 09.08.2022

Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 308 mg/l
End point: Immobilization
Exposure time: 48 h
Method: OECD Test Guideline 202

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): 1.972 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

Ecotoxicology Assessment

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight 700-1000):

Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 2 mg/l
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia): 1,8 mg/l
Exposure time: 48 h

Toxicity to algae/aquatic plants : EC50 (algae): 11 mg/l
Exposure time: 72 h

2-methoxy-1-methylethyl acetate:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 130 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): > 500 mg/l
Exposure time: 48 h
Test Type: static test
Method: Regulation (EC) No. 440/2008, Annex, C.2

Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): > 1.000 mg/l
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 201

Toxicity to fish (Chronic toxicity) : NOEC: 47,5 mg/l
Exposure time: 14 d
Species: Oryzias latipes (Orange-red killifish)
Method: OECD Test Guideline 204

Toxicity to daphnia and other aquatic invertebrates (Chronic) : NOEC: >= 100 mg/l
Exposure time: 21 d

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version	Revision Date:	Date of last issue: 10.10.2023
1.2 DE / EN	25.06.2024	Date of first issue: 09.08.2022

ic toxicity) Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211

1-methoxy-2-propanol:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): ≥ 1.000 mg/l
End point: mortality
Exposure time: 96 h
Method: OECD Test Guideline 203

Toxicity to daphnia and other : LC50 (Daphnia magna (Water flea)): 21.100 - 25.900 mg/l
aquatic invertebrates End point: Immobilization
Exposure time: 48 h

Ecotoxicology Assessment

Chronic aquatic toxicity : This product has no known ecotoxicological effects.

12.2 Persistence and degradability

Components:

propan-1-ol:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 83 - 92 %
Exposure time: 28 d
Method: OECD Test Guideline 301F

acetone:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 90,9 %
Exposure time: 28 d
Method: OECD Test Guideline 301B

2-methylpropan-1-ol:

Biodegradability : Result: Readily biodegradable.

2-methoxy-1-methylethyl acetate:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 90 %
Exposure time: 28 d
Method: OECD Test Guideline 301F

1-methoxy-2-propanol:

Biodegradability : Result: Readily biodegradable.
Biodegradation: 96 %
Exposure time: 28 d
Method: OECD Test Guideline 301E

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version	Revision Date:	Date of last issue: 10.10.2023
1.2 DE / EN	25.06.2024	Date of first issue: 09.08.2022

12.3 Bioaccumulative potential

Components:

propan-1-ol:

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water : Pow: 1,6 (25 °C)
log Pow: 0,2 (25 °C)
pH: 7

acetone:

Bioaccumulation : Bioconcentration factor (BCF): 3
Remarks: Calculation

Partition coefficient: n-octanol/water : log Pow: -0,24 (20 °C)

2-methylpropan-1-ol:

Partition coefficient: n-octanol/water : log Pow: 1 (25 °C)

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$]:

Partition coefficient: n-octanol/water : Remarks: Not applicable

butanone:

Partition coefficient: n-octanol/water : log Pow: 0,3 (40 °C)
pH: 7

2-methoxy-1-methylethyl acetate:

Partition coefficient: n-octanol/water : log Pow: 1,2 (20 °C)
pH: 6,8
Method: OECD Test Guideline 117

1-methoxy-2-propanol:

Partition coefficient: n-octanol/water : log Pow: < 1 (20 °C)
pH: 6,8

butan-1-ol:

Partition coefficient: n-octanol/water : log Pow: 1,0 (25 °C)

dimethyl ether:

Partition coefficient: n-octanol/water : log Pow: 0,07 (25 °C)

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version	Revision Date:	Date of last issue: 10.10.2023
1.2 DE / EN	25.06.2024	Date of first issue: 09.08.2022

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

Product:

Additional ecological information : No data available

Global warming potential

Assessment Report of the Intergovernmental Panel on Climate Change (IPCC) of the United Nations Framework Convention on Climate Change (UNFCCC)

Components:

propane:

20-year global warming potential: 0,072
100-year global warming potential: 0,02
500-year global warming potential: 0,006
Atmospheric lifetime: 0,036 yr
Radiative efficiency: 0 Wm²ppb
Further information: Miscellaneous compounds

butane (containing < 0,1 % butadiene (203-450-8)):

20-year global warming potential: 0,022
100-year global warming potential: 0,006
500-year global warming potential: 0,002
Atmospheric lifetime: 0,019 yr
Radiative efficiency: 0 Wm²ppb
Further information: Miscellaneous compounds

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version		Revision Date:	Date of last issue: 10.10.2023
1.2	DE / EN	25.06.2024	Date of first issue: 09.08.2022

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Product : According to the European Waste Catalog, Waste Codes are not product specific, but application specific.
Dispose of in conjunction with appropriate waste disposal authorities and in accordance with disposal regulations.
- Contaminated packaging : Dispose of in accordance with local regulations.
- Waste Code : The following Waste Codes are only suggestions:
15 01 10, packaging containing residues of or contaminated by hazardous substances
-

SECTION 14: Transport information

14.1 UN number or ID number

- ADN : UN 1950
ADR : UN 1950
RID : UN 1950
IMDG : UN 1950
IATA : UN 1950

14.2 UN proper shipping name

- ADN : AEROSOLS
ADR : AEROSOLS
RID : AEROSOLS
IMDG : AEROSOLS
IATA : Aerosols, flammable

14.3 Transport hazard class(es)

- | | Class | Subsidiary risks |
|------|-------|------------------|
| ADN | : 2 | 2.1 |
| ADR | : 2 | 2.1 |
| RID | : 2 | 2.1 |
| IMDG | : 2.1 | |
| IATA | : 2.1 | |

14.4 Packing group

- ADN
Packing group : Not assigned by regulation
Classification Code : 5F

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version		Revision Date:	Date of last issue: 10.10.2023
1.2	DE / EN	25.06.2024	Date of first issue: 09.08.2022

Labels : 2.1

ADR

Packing group : Not assigned by regulation
Classification Code : 5F
Labels : 2.1
Tunnel restriction code : (D)

RID

Packing group : Not assigned by regulation
Classification Code : 5F
Hazard Identification Number : 23
Labels : 2.1

IMDG

Packing group : Not assigned by regulation
Labels : 2.1
EmS Code : F-D, S-U

IATA (Cargo)

Packing instruction (cargo aircraft) : 203
Packing instruction (LQ) : Y203
Packing group : Not assigned by regulation
Labels : Flammable Gas

IATA (Passenger)

Packing instruction (passenger aircraft) : 203
Packing instruction (LQ) : Y203
Packing group : Not assigned by regulation
Labels : Flammable Gas

14.5 Environmental hazards

ADN

Environmentally hazardous : no

ADR

Environmentally hazardous : no

RID

Environmentally hazardous : no

IMDG

Marine pollutant : no

14.6 Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version	Revision Date:	Date of last issue: 10.10.2023
1.2 DE / EN	25.06.2024	Date of first issue: 09.08.2022

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII) : Conditions of restriction for the following entries should be considered:
Number on list 75
If you intend to use this product as tattoo ink, please contact your vendor.

REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59). : Not applicable

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

Regulation (EU) 2019/1021 on persistent organic pollutants (recast) : Not applicable

REACH - List of substances subject to authorisation (Annex XIV) : Not applicable

Regulation (EU) 2019/1148 on the marketing and use of explosives precursors

This product is regulated by Regulation (EU) 2019/1148: all suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point. acetone (ANNEX II)

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. P3a FLAMMABLE AEROSOLS

Water hazard class (Germany) : WGK 1 slightly water endangering
Classification according to AwSV, Annex 1 (5.2)

Volatile organic compounds : Directive 2004/42/EC
Volatile organic compounds (VOC) content: < 840 g/l
VOC content for the product in a ready to use condition.

Other regulations:

Take note of Law on the protection of mothers at work, in education and in studies (Maternity Protection Act - MuSchG).

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

Version	Revision Date:	Date of last issue: 10.10.2023
1.2 DE / EN	25.06.2024	Date of first issue: 09.08.2022

15.2 Chemical Safety Assessment

A chemical safety assessment according to (EC) regulation 1907/2006 (REACH) has not been carried out for this product.

SECTION 16: Other information

Full text of H-Statements

H220	: Extremely flammable gas.
H225	: Highly flammable liquid and vapor.
H226	: Flammable liquid and vapor.
H280	: Contains gas under pressure; may explode if heated.
H302	: Harmful if swallowed.
H315	: Causes skin irritation.
H317	: May cause an allergic skin reaction.
H318	: Causes serious eye damage.
H319	: Causes serious eye irritation.
H335	: May cause respiratory irritation.
H336	: May cause drowsiness or dizziness.
H351	: Suspected of causing cancer if inhaled.
H411	: Toxic to aquatic life with long lasting effects.
EUH066	: Repeated exposure may cause skin dryness or cracking.

Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Carc.	: Carcinogenicity
Eye Dam.	: Serious eye damage
Eye Irrit.	: Eye irritation
Flam. Gas	: Flammable gases
Flam. Liq.	: Flammable liquids
Press. Gas	: Gases under pressure
Skin Irrit.	: Skin irritation
Skin Sens.	: Skin sensitization
STOT SE	: Specific target organ toxicity - single exposure
2000/39/EC	: Europe. Commission Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values
DE DFG BAT	: Germany. MAK BAT Annex XIII
DE DFG MAK	: Germany. MAK BAT Annex IIa
DE TRGS 527	: Germany. TRGS 527 - Activities with nanomaterials
DE TRGS 900	: Germany. TRGS 900 - Occupational exposure limit values.
TRGS 903	: c - Biological limit values
2000/39/EC / TWA	: Limit Value - eight hours
2000/39/EC / STEL	: Short term exposure limit
DE DFG MAK / MAK	: MAK value
DE TRGS 527 / BM	: Assessment scale
DE TRGS 900 / AGW	: Time Weighted Average

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Test-

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006, as amended by
Commission Regulation (EU) 2020/878

Carsystem 1K Easy Primer

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ing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture:

Aerosol 1	H222, H229
Skin Irrit. 2	H315
Eye Dam. 1	H318
Skin Sens. 1	H317
STOT SE 3	H336

Classification procedure:

Calculation method
Calculation method
Calculation method
Calculation method
Calculation method

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