

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Carsystem HpP Primer schwarz/black

Version		Revision Date:	Date of last issue: 11.10.2023
2.2	DE / EN	26.10.2023	Date of first issue: 10.08.2022

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

1.1 Product identifier

Trade name : Carsystem HpP Primer schwarz/black
Product code : 154.708

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

Use of the Sub-stance/Mixture : Paints
Recommended restrictions on use : Reserved for industrial and professional 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

Carsystem HpP Primer schwarz/black

Version
2.2

DE / EN

Revision Date:
26.10.2023

Date of last issue: 11.10.2023
Date of first issue: 10.08.2022

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Flammable liquids, Category 3	H226: Flammable liquid and vapor.
Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.
Specific target organ toxicity - single exposure, Category 3, Respiratory system	H335: May cause respiratory irritation.
Specific target organ toxicity - repeated exposure, Category 2	H373: May cause damage to organs through prolonged or repeated exposure.

2.2 Label elements

Labeling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal Word : Warning

Hazard Statements : H226 Flammable liquid and vapor.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary Statements : **Prevention:**
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 Do not breathe mist or vapors.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P403 + P235 Store in a well-ventilated place. Keep cool.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Carsystem HpP Primer schwarz/black

Version
2.2

DE / EN

Revision Date:
26.10.2023

Date of last issue: 11.10.2023
Date of first issue: 10.08.2022

Hazardous ingredients which must be listed on the label:

Reaction mass of ethylbenzene and xylene

Additional Labeling

EUH208 Contains Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol, reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700), Fatty acids, C18-unsatd., trimers, compds. with oleylamine. May produce an allergic reaction.

EUH205 Contains epoxy constituents. May produce an allergic reaction.

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 : Mixture

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Reaction mass of ethylbenzene and xylene	Not Assigned 905-588-0 01-2119486136-34, 01-2119488216-32, 01-2119539452-40	Flam. Liq. 3; H226 Acute Tox. 4; H332 Acute Tox. 4; H312 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 (Respiratory system) STOT RE 2; H373 Asp. Tox. 1; H304 specific concentration limit STOT RE 2 >= 10 %	>= 35 - < 50
Formaldehyde, oligomeric reac-	9003-36-5	Skin Irrit. 2; H315	>= 0,2 - < 0,25

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Carsystem HpP Primer schwarz/black

Version
2.2

DE / EN

Revision Date:
26.10.2023

Date of last issue: 11.10.2023
Date of first issue: 10.08.2022

tion products with 1-chloro-2,3-epoxypropane and phenol	500-006-8 01-2119454392-40	Skin Sens. 1B; H317 Aquatic Chronic 2; H411	
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	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 <hr/> specific concentration limit Eye Irrit. 2; H319 $\geq 5\%$ Skin Irrit. 2; H315 $\geq 5\%$	$\geq 0,15 - < 0,2$
Fatty acids, C18-unsatd., trimers, compds. with oleylamine	147900-93-4 604-612-4 01-2119971821-33	Acute Tox. 4; H302 Skin Sens. 1; H317 STOT RE 2; H373 Aquatic Chronic 2; H411 <hr/> Acute toxicity estimate Acute oral toxicity: 1.570 mg/kg	$\geq 0,1 - < 0,15$

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures

- General advice : In the case of accident or if you feel unwell, seek medical advice immediately.
Move out of dangerous area.
Take off contaminated clothing and shoes immediately.
Do not leave the victim unattended.
Symptoms of poisoning may appear several hours later.
Show this material safety data sheet to the doctor in attendance.
- Protection of first-aiders : First Aid responders should pay attention to self-protection and use the recommended protective clothing
- If inhaled : Move to fresh air.
Keep patient warm and at rest.
If breathing is irregular or stopped, administer artificial respiration.
Call a physician immediately.
- In case of skin contact : Wash off immediately with soap and plenty of water.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Carsystem HpP Primer schwarz/black

Version	Revision Date:	Date of last issue: 11.10.2023
2.2 DE / EN	26.10.2023	Date of first issue: 10.08.2022

Call a physician if irritation develops or persists.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Keep eye wide open while rinsing.
If easy to do, remove contact lens, if worn.
Consult a physician.

If swallowed : Do NOT induce vomiting.
Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

Risks : Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.
May cause damage to organs through prolonged or repeated exposure.

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

May form explosive mixtures in air.

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

5.3 Advice for firefighters

Special protective equipment for fire-fighters : In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Carsystem HpP Primer schwarz/black

Version	Revision Date:	Date of last issue: 11.10.2023
2.2	26.10.2023	Date of first issue: 10.08.2022

-
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Further information : Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- In the event of fire and/or explosion do not breathe fumes. Standard procedure for chemical fires.

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. Ensure adequate ventilation, especially in confined areas. Remove all sources of ignition. Do not smoke. Avoid contact with skin, eyes and clothing. In the case of vapor formation use a respirator with an approved filter.

6.2 Environmental precautions

- Environmental precautions : Prevent spreading over a wide area (e.g., by containment or oil barriers). Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up

- Methods for cleaning up : Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers for disposal. Do not flush with water.

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

- Advice on safe handling : Wear personal protective equipment. Keep container closed when not in use. Provide sufficient air exchange and/or exhaust in work rooms. Solvent vapors are heavier than air and may spread along floors.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Carsystem HpP Primer schwarz/black

Version 2.2 DE / EN Revision Date: 26.10.2023 Date of last issue: 11.10.2023
Date of first issue: 10.08.2022

Advice on protection against fire and explosion : Vapors may form explosive mixtures with air. Keep away from open flames, hot surfaces and sources of ignition. Do not smoke. Take measures to prevent the build up of electrostatic charge. Use explosion-proof equipment.

Hygiene measures : Avoid breathing vapors, mist or gas. Avoid contact with the skin and the eyes. When using do not eat, drink or smoke.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.

Further information on storage conditions : Keep away from heat and sources of ignition. Keep away from direct sunlight.

Advice on common storage : Keep away from food and drink. Incompatible with oxidizing agents.

Storage class (TRGS 510) : 3

Recommended storage temperature : 5 - 35 °C

Dampness : Keep in a dry, cool and well-ventilated place.

7.3 Specific end use(s)

Specific use(s) : No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

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

Substance name	End Use	Routes of exposure	Potential health effects	Value
Reaction mass of ethylbenzene and xylene	Workers	Inhalation	Acute local effects	221 mg/m ³
	Workers	Skin contact	Long-term systemic effects	212 mg/kg bw/day
	Consumers	Ingestion	Long-term systemic effects	12,5 mg/kg bw/day
	Consumers	Skin contact	Long-term systemic effects	125 mg/kg bw/day
	Consumers	Inhalation	Long-term systemic effects	65,3 mg/m ³
	Formaldehyde, oligomeric reaction prod-	Workers	Inhalation	Long-term systemic effects

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Carsystem HpP Primer schwarz/black

Version
2.2

DE / EN

Revision Date:
26.10.2023

Date of last issue: 11.10.2023
Date of first issue: 10.08.2022

ucts with 1-chloro-2,3-epoxypropane and phenol				
	Workers	Skin contact	Long-term systemic effects	104,15 mg/kg
	Workers	Skin contact	Long-term local effects	0,0083 mg/cm ²
	Consumers	Inhalation	Long-term systemic effects	8,7 mg/m ³
	Consumers	Skin contact	Long-term systemic effects	62,5 mg/kg
	Consumers	Oral	Long-term systemic effects	6,25 mg/kg
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	Workers	Inhalation	Long-term systemic effects	12,25 mg/m ³
	Workers	Skin contact	Long-term systemic effects	8,33 mg/m ³

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

Substance name	Environmental Compartment	Value
Reaction mass of ethylbenzene and xylene	Fresh water	0,327 mg/l
	Sea water	0,327 mg/l
	Sewage treatment plant (STP)	6,58 mg/l
	Fresh water sediment	12,46 mg/kg dry weight (d.w.)
	Sea sediment	12,46 mg/kg dry weight (d.w.)
	Soil	2,31 mg/kg dry weight (d.w.)
Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol	Fresh water	0,003 mg/l
	Sea water	0,0003 mg/l
	Sewage treatment plant (STP)	10 mg/l
	Fresh water sediment	0,294 mg/kg
	Sea sediment	0,0294 mg/kg
	Soil	0,237 mg/kg
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight ≤ 700)	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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Carsystem HpP Primer schwarz/black

Version	Revision Date:	Date of last issue: 11.10.2023
2.2 DE / EN	26.10.2023	Date of first issue: 10.08.2022

8.2 Exposure controls

Personal protective equipment

- Eye/face protection : Safety glasses with side-shields conforming to EN166
- Hand protection
- Material : Nitrile rubber
 - Break through time : > 480 min
 - Glove thickness : $\geq 0,4$ mm
 - Directive : DIN EN 374
 - Protective index : Class 6
- Remarks : Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough. The data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove. 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. 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 : Apply technical measures to comply with the occupational exposure limits.
Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).
- Filter type : Combined particulates and organic vapor type (A-P)
- Protective measures : Ensure that eye flushing systems and safety showers are located close to the working place.
Avoid contact with the skin and the eyes.
Use only with adequate ventilation.

Environmental exposure controls

- Soil : Avoid subsoil penetration.
-

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state : liquid
- Color : black
- Odor : characteristic
- Melting point/freezing point : not determined

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Carsystem HpP Primer schwarz/black

Version	Revision Date:	Date of last issue: 11.10.2023
2.2 DE / EN	26.10.2023	Date of first issue: 10.08.2022

Initial boiling point and boiling range : 137 - 143 °C

Upper explosion limit / Upper flammability limit : 7 %(V)

Lower explosion limit / Lower flammability limit : 1,1 %(V)

Flash point : > 23 °C

Autoignition temperature : not determined

pH : not determined substance/mixture is non-soluble (in water)

Viscosity

 Viscosity, dynamic : not determined

 Viscosity, kinematic : > 20,5 mm²/s (40 °C)

Solubility(ies)

 Water solubility : immiscible

Partition coefficient: n-octanol/water : not determined

Vapor pressure : 6,7 - 8,2 hPa (20 °C)

Density : 1,17 - 1,22 g/cm³ (20 °C)

9.2 Other information

Explosives : Not explosive
In use, may form flammable/explosive vapor-air mixture.

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 : Incompatible with strong acids and bases.
Reaction with strong oxidizing agents.

10.4 Conditions to avoid

Conditions to avoid : Heat, flames and sparks.

10.5 Incompatible materials

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Carsystem HpP Primer schwarz/black

Version	Revision Date:	Date of last issue: 11.10.2023
2.2 DE / EN	26.10.2023	Date of first issue: 10.08.2022

Materials to avoid : Strong acids and strong bases
Strong oxidizing agents

10.6 Hazardous decomposition products

Build-up of dangerous/toxic fumes possible in cases of fire/high temperature.
Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke).
Nitrogen oxides (NO_x)

SECTION 11: Toxicological information

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

Acute toxicity

Not classified based on available information.

Product:

Acute inhalation toxicity : Acute toxicity estimate: > 20 mg/l
Exposure time: 4 h
Test atmosphere: vapor
Method: Calculation method

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

Components:

Reaction mass of ethylbenzene and xylene:

Acute oral toxicity : LD50 Oral (Rat): 3.523 - 4.000 mg/kg
Method: EC Directive 92/69/EEC B.1 Acute Toxicity (Oral)

Acute inhalation toxicity : LC50 (Rat, male): 6350 - 6700 ppm
Exposure time: 4 h
Test atmosphere: vapor
Method: Regulation (EC) No. 440/2008, Annex, B.2

Acute dermal toxicity : LD50 Dermal (Rabbit): 12.126 mg/kg

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol:

Acute oral toxicity : LD50 Oral (Rat): > 5.000 mg/kg
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 Dermal (Rat): > 2.000 mg/kg
Method: OECD Test Guideline 402

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

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

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

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Carsystem HpP Primer schwarz/black

Version
2.2

DE / EN

Revision Date:
26.10.2023

Date of last issue: 11.10.2023
Date of first issue: 10.08.2022

Fatty acids, C18-unsatd., trimers, compds. with oleylamine:

Acute oral toxicity : LD50 Oral (Rat): 1.570 mg/kg

Skin corrosion/irritation

Causes skin irritation.

Components:

Reaction mass of ethylbenzene and xylene:

Result : Skin irritation

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol:

Result : Skin irritation

Serious eye damage/eye irritation

Causes serious eye irritation.

Components:

Reaction mass of ethylbenzene and xylene:

Result : Moderate eye irritation

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Components:

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol:

Assessment : The product is a skin sensitizer, sub-category 1B.

Fatty acids, C18-unsatd., trimers, compds. with oleylamine:

Result : May cause sensitization by skin contact.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT-single exposure

May cause respiratory irritation.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Carsystem HpP Primer schwarz/black

Version
2.2

DE / EN

Revision Date:
26.10.2023

Date of last issue: 11.10.2023
Date of first issue: 10.08.2022

Components:

Reaction mass of ethylbenzene and xylene:

Assessment : May cause respiratory irritation.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Components:

Reaction mass of ethylbenzene and xylene:

Assessment : May cause damage to organs through prolonged or repeated exposure.

Fatty acids, C18-unsatd., trimers, compds. with oleylamine:

Assessment : May cause damage to organs through prolonged or repeated exposure.

Repeated dose toxicity

Components:

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

NOAEL : 50 mg/kg
Application Route : Oral

NOAEL : 100 mg/kg
Application Route : Skin contact

Aspiration toxicity

Not classified based on available information.

Components:

Reaction mass of ethylbenzene and xylene:

May be fatal if swallowed and enters airways.

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.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Carsystem HpP Primer schwarz/black

Version
2.2

DE / EN

Revision Date:
26.10.2023

Date of last issue: 11.10.2023
Date of first issue: 10.08.2022

SECTION 12: Ecological information

12.1 Toxicity

Components:

Reaction mass of ethylbenzene and xylene:

- Toxicity to fish : LC50 (Fish): 2,6 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia dubia (Water flea)): 1 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
- Toxicity to algae/aquatic plants : EC50 (algae): 1,3 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
- NOEC (algae): 0,44 mg/l
Exposure time: 72 h
- Toxicity to microorganisms : EC50 (Bacteria): 96 mg/l
- Toxicity to fish (Chronic toxicity) : NOEC: > 1,3 mg/l
Exposure time: 56 d
Species: Fish
- Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,96 mg/l
Exposure time: 7 d
Species: Daphnia magna (Water flea)

Ecotoxicology Assessment

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

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol:

- Toxicity to fish : LC50 (Leuciscus idus (Golden orfe)): 5,7 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)): 2,55 mg/l
Exposure time: 48 h
Method: OECD Test Guideline 202
- Toxicity to algae/aquatic plants : EC50 (Pseudokirchneriella subcapitata (green algae)): > 1,8 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Carsystem HpP Primer schwarz/black

Version	Revision Date:	Date of last issue: 11.10.2023
2.2 DE / EN	26.10.2023	Date of first issue: 10.08.2022

Toxicity to microorganisms : IC50 (Bacteria): > 100 mg/l
Exposure time: 3 h

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,3 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211

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

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

Fatty acids, C18-unsatd., trimers, compds. with oleylamine:

Ecotoxicology Assessment

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

Components:

Reaction mass of ethylbenzene and xylene:

Biodegradability : Result: Readily biodegradable.

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol:

Biodegradability : Biodegradation: 0 %
Exposure time: 28 d
Method: Regulation (EC) No. 440/2008, Annex, C.4-E

12.3 Bioaccumulative potential

Components:

Reaction mass of ethylbenzene and xylene:

Bioaccumulation : Bioconcentration factor (BCF): 25,9

Partition coefficient: n-octanol/water : log Pow: 3,2 (20 °C)

Formaldehyde, oligomeric reaction products with 1-chloro-2,3-epoxypropane and phenol:

Partition coefficient: n-octanol/water : Pow: 2,7

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Carsystem HpP Primer schwarz/black

Version	Revision Date:	Date of last issue: 11.10.2023
2.2 DE / EN	26.10.2023	Date of first issue: 10.08.2022

Fatty acids, C18-unsatd., trimers, compds. with oleylamine:

Partition coefficient: n-octanol/water : log Pow: > 5,7 (20 °C)

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

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Product : Do not dispose of with domestic refuse.
Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.
Dispose of in accordance with local regulations.
Send to a licensed waste management company.
- Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.
Packaging that is not properly emptied must be disposed of as the unused product.
Dispose of in accordance with local regulations.
- Waste Code : The following Waste Codes are only suggestions:
08 01 11, waste paint and varnish containing organic solvents or other hazardous substances

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Carsystem HpP Primer schwarz/black

Version
2.2

DE / EN

Revision Date:
26.10.2023

Date of last issue: 11.10.2023
Date of first issue: 10.08.2022

SECTION 14: Transport information

14.1 UN number or ID number

ADN : UN 1263
ADR : UN 1263
RID : UN 1263
IMDG : UN 1263
IATA : UN 1263

14.2 UN proper shipping name

ADN : PAINT
ADR : PAINT
RID : PAINT
IMDG : PAINT
IATA : Paint

14.3 Transport hazard class(es)

	Class	Subsidiary risks
ADN	: 3	
ADR	: 3	
RID	: 3	
IMDG	: 3	
IATA	: 3	

14.4 Packing group

ADN
Packing group : III
Classification Code : F1
Hazard Identification Number : 30
Labels : 3

ADR
Packing group : III
Classification Code : F1
Hazard Identification Number : 30
Labels : 3
Tunnel restriction code : (D/E)

RID
Packing group : III
Classification Code : F1
Hazard Identification Number : 30
Labels : 3

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Carsystem HpP Primer schwarz/black

Version	Revision Date:	Date of last issue: 11.10.2023
2.2 DE / EN	26.10.2023	Date of first issue: 10.08.2022

IMDG

Packing group : III
Labels : 3
EmS Code : F-E, S-E

IATA (Cargo)

Packing instruction (cargo aircraft) : 366
Packing instruction (LQ) : Y344
Packing group : III
Labels : Flammable Liquids

IATA (Passenger)

Packing instruction (passenger aircraft) : 355
Packing instruction (LQ) : Y344
Packing group : III
Labels : Flammable Liquids

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.

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, 3

If you intend to use this product as tattoo ink, please contact your vendor.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Carsystem HpP Primer schwarz/black

Version	Revision Date:	Date of last issue: 11.10.2023
2.2	26.10.2023	Date of first issue: 10.08.2022

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

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances. P5c FLAMMABLE LIQUIDS

Water hazard class (Germany) : WGK 2 obviously hazardous to water
Classification according to AwSV, Annex 1 (5.2)

Other regulations:

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

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

H226	: Flammable liquid and vapor.
H302	: Harmful if swallowed.
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.
H373	: May cause damage to organs through prolonged or repeated exposure.
H411	: Toxic to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox.	: Acute toxicity
Aquatic Chronic	: Long-term (chronic) aquatic hazard
Asp. Tox.	: Aspiration hazard

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Carsystem HpP Primer schwarz/black

Version 2.2 DE / EN Revision Date: 26.10.2023 Date of last issue: 11.10.2023
Date of first issue: 10.08.2022

Eye Irrit. : Eye irritation
Flam. Liq. : Flammable liquids
Skin Irrit. : Skin irritation
Skin Sens. : Skin sensitization
STOT RE : Specific target organ toxicity - repeated exposure
STOT SE : Specific target organ toxicity - single exposure

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

Flam. Liq. 3 H226
Skin Irrit. 2 H315
Eye Irrit. 2 H319
STOT SE 3 H335
STOT RE 2 H373

Classification procedure:

Based on product data or assessment
Calculation method
Calculation method
Calculation method
Calculation method

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Carsystem HpP Primer schwarz/black

Version
2.2

DE / EN

Revision Date:
26.10.2023

Date of last issue: 11.10.2023
Date of first issue: 10.08.2022

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

DE / EN