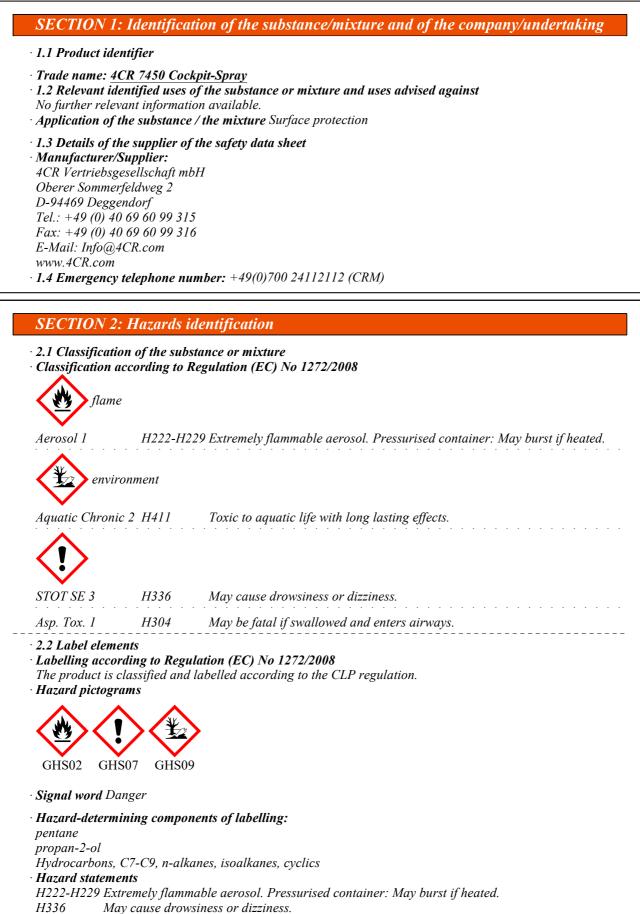
Safety data sheet

according to 1907/2006/EC, Article 31



Printing date 13.09.2021

Version number 14



(Contd. on page 2)

GB



Printing date 13.09.2021

Version number 14

### Trade name: 4CR 7450 Cockpit-Spray

H411		((	Contd. of page 1)		
	Toxic to aquatic	life with long lasting effects.	conta. of page 1)		
	onary statements				
P101	If medical advice is needed, have product container or label at hand.				
P102	Keep out of reach of children.				
P103	Read carefully and follow all instructions.				
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.				
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.				
P410+P4		light. Do not expose to temperatures exceeding 50 °C/122 °F.			
P501		tents/container in accordance with local/regional/national/i	nternational		
	regulations.	0			
· Addition	al information:				
		nay cause skin dryness or cracking.			
		possible without sufficient ventilation.			
· 2.3 Other	r hazards	1 00			
· Results o	f PBT and vPvB ass	essment			
· PBT: No	, t applicable.				
	ot applicable.				
SECTI	ON 3: Composition	on/information on ingredients			
	-				
· 3.2 Chen	nical characterisation	n: Mixtures			
· 3.2 Chen · Descripti	nical characterisation ion: Mixture of substa				
· 3.2 Chen · Descripti	nical characterisation	n: Mixtures			
· 3.2 Chen · Descripti	nical characterisation on: Mixture of substa us components:	n: Mixtures	≥10-<25%		
· 3.2 Chen · Descripti · Dangero CAS: 109	nical characterisation on: Mixture of substa us components:	n: Mixtures ances listed below with nonhazardous additions. pentane	≥10-<25%		
· 3.2 Chen · Descripti · Dangero CAS: 109	nical characterisation ion: Mixture of substa us components: D-66-0	n: Mixtures ances listed below with nonhazardous additions. pentane Ø Flam. Lig. 1, H224; <b>&amp;</b> Asp. Tox. 1, H304; <b>&amp;</b> Aquatic	≥10-<25%		
• <b>3.2 Chen</b> • <b>Descripti</b> • <b>Dangero</b> CAS: 109 EINECS:	nical characterisation on: Mixture of substa us components: 2-66-0 203-692-4	n: Mixtures ances listed below with nonhazardous additions. pentane Flam. Liq. 1, H224; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336			
• <b>3.2 Chen</b> • <b>Descripti</b> • <b>Dangero</b> CAS: 109 EINECS: CAS: 74-	nical characterisation on: Mixture of substa us components: D-66-0 203-692-4 98-6	n: Mixtures ances listed below with nonhazardous additions. pentane Flam. Liq. 1, H224; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336 propane	≥10-<25% 10-25%		
• 3.2 Chen • Descripti • Dangero CAS: 109 EINECS: CAS: 74- EINECS:	nical characterisation on: Mixture of substa us components: D-66-0 203-692-4 98-6 200-827-9	n: Mixtures ances listed below with nonhazardous additions. pentane Flam. Liq. 1, H224; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336			
• 3.2 Chen • Descripti • Dangero CAS: 109 EINECS: CAS: 74- EINECS: Reg.nr.:	nical characterisation fon: Mixture of substa us components: D-66-0 203-692-4 98-6 200-827-9 01-21194869440-21	n: Mixtures ances listed below with nonhazardous additions. pentane Flam. Liq. 1, H224; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336 propane Flam. Gas 1A, H220; Press. Gas (Liq.), H280	10-25%		
• 3.2 Chen • Descripti • Dangero CAS: 109 EINECS: CAS: 74- EINECS: Reg.nr.: CAS: 100	nical characterisation fon: Mixture of substa us components: -66-0 203-692-4 98-6 200-827-9 01-21194869440-21 5-97-8	n: Mixtures ances listed below with nonhazardous additions. pentane Flam. Liq. 1, H224; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336 propane Flam. Gas 1A, H220; Press. Gas (Liq.), H280 butane, pure			
· 3.2 Chen · Descripti · Dangero CAS: 109 EINECS: CAS: 74- EINECS: Reg.nr.: CAS: 100 EINECS:	nical characterisation fon: Mixture of substa us components: D-66-0 203-692-4 98-6 200-827-9 01-21194869440-21 5-97-8 203-448-7	n: Mixtures ances listed below with nonhazardous additions. pentane Flam. Liq. 1, H224; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336 propane Flam. Gas 1A, H220; Press. Gas (Liq.), H280	10-25%		
• 3.2 Chen • Descripti • Dangero CAS: 109 EINECS: CAS: 74- EINECS: Reg.nr. • CAS: 100 EINECS:	nical characterisation ion: Mixture of substa us components: 0-66-0 203-692-4 98-6 200-827-9 01-21194869440-21 5-97-8 203-448-7 01-2119474691-31	n: Mixtures ances listed below with nonhazardous additions. pentane Flam. Liq. 1, H224; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H336 propane Flam. Gas 1A, H220; Press. Gas (Liq.), H280 butane, pure	10-25%		

🚸 Flam. Gas 1A, H220; Press. Gas (Comp.), H280

Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics

♦ Flam. Liq. 2, H225; ♦ Asp. Tox. 1, H304; ♦ Aquatic Chronic 2, H411; ♦ STOT SE 3, H336

🚸 Flam. Liq. 2, H225; 🚸 Eye Irrit. 2, H319; STOT SE 3, H336

**SECTION 4: First aid measures** 

• 4.1 Description of first aid measures

· After inhalation: Supply fresh air; consult doctor in case of complaints.

propan-2-ol

• After skin contact: Immediately wash with water and soap and rinse thoroughly.

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

· After eye contact:

EINECS: 200-857-2

EINECS: 200-661-7

CAS: 67-63-0

Reg.nr.: 01-2119485395-27

Reg.nr.: 01-2119457558-25 EC number: 920-750-0

Reg.nr.: 01-2119473851-33

- Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- · After swallowing: Seek immediate medical advice.

(Contd. on page 3)

2.5-<10%

2.5-<10%

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 13.09.2021

#### Version number 14



(Contd. of page 2)

Trade name: 4CR 7450 Cockpit-Spray

• 4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

## **SECTION 5: Firefighting measures**

## 5.1 Extinguishing media

· Suitable extinguishing agents:

- CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment:

Wear self-contained respiratory protective device.

Do not inhale explosion gases or combustion gases.

## **SECTION 6:** Accidental release measures

 $\cdot$  6.1 Personal precautions, protective equipment and emergency procedures

- Wear protective equipment. Keep unprotected persons away.
- 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

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

- 6.3 Methods and material for containment and cleaning up: Dispose contaminated material as waste according to item 13.
- Ensure adequate ventilation.
- 6.4 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.

## SECTION 7: Handling and storage

### · 7.1 Precautions for safe handling

Keep away from heat and direct sunlight. Ensure good ventilation/exhaustion at the workplace.

### · Information about fire - and explosion protection:

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

Keep ignition sources away - Do not smoke.

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

· 7.2 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: Store away from foodstuffs.

### • Further information about storage conditions:

Do not seal receptacle gas tight.

Keep container tightly sealed.

• Storage class: 2 B

• 7.3 Specific end use(s) No further relevant information available.

# Safety data sheet

according to 1907/2006/EC, Article 31



Printing date 13.09.2021

Version number 14

## Trade name: 4CR 7450 Cockpit-Spray

(Contd. of page 3)

## **SECTION 8: Exposure controls/personal protection**

## · 8.1 Control parameters

• Additional information about design of technical facilities: No further data; see item 7.

#### · Ingredients with limit values that require monitoring at the workplace:

## 109-66-0 pentane

WEL Long-term value: 1800 mg/m<sup>3</sup>, 600 ppm

## 106-97-8 butane, pure

WEL Short-term value: 1810 mg/m<sup>3</sup>, 750 ppm Long-term value: 1450 mg/m<sup>3</sup>, 600 ppm

*Carc (if more than 0.1% of buta-1.3-diene)* 

67-63-0 propan-2-ol

WEL Short-term value: 1250 mg/m<sup>3</sup>, 500 ppm Long-term value: 999 mg/m<sup>3</sup>, 400 ppm

• Additional information: The lists valid during the making were used as basis.

### · 8.2 Exposure controls

- Personal protective equipment:
- General protective and hygienic measures:
- Keep away from foodstuffs, beverages and feed.
- Wash hands before breaks and at the end of work.
- · 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.

• Protection of hands:

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Breakthrough time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

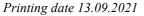
• Eye protection: Not required.

## **SECTION 9:** Physical and chemical properties • 9.1 Information on basic physical and chemical properties

- · General Information · Appearance:
- Form: Aerosol According to product specification Colour: Characteristic · Odour: **Odour threshold:** Not determined.

(Contd. on page 5)

GR



Version number 14



Trade name: 4CR 7450 Cockpit-Spray

	(Contd. of page
pH-value:	Not determined.
Change in condition Melting point/freezing point: Initial boiling point and boiling range	Undetermined. 2: -44.5 °C
Flash point:	<0 °C (DIN 53213)
Flammability (solid, gas):	Not applicable.
Ignition temperature:	285 °C (DIN 51794)
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of explosive air vapour mixtures are possible.
Explosion limits: Lower: Upper:	1.4 Vol % 10.9 Vol %
Vapour pressure at 20 °C:	8,300 hPa
Density at 20 °C: Relative density Vapour density Evaporation rate	0.636 g/cm <sup>3</sup> (DIN 53217) Not determined. Not determined. Not applicable.
Solubility in / Miscibility with water:	Not miscible or difficult to mix.
Partition coefficient: n-octanol/water:	Not determined.
Viscosity: Dynamic: Kinematic:	Not determined. Not determined.
Solvent content: VOC (EC)	96.77 %
Solids content (weight-%):	3.2 %
9.2 Other information	No further relevant information available.

## SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

· 10.2 Chemical stability

• Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· 10.3 Possibility of hazardous reactions No dangerous reactions known.

• 10.4 Conditions to avoid No further relevant information available.

• 10.5 Incompatible materials: No further relevant information available.

• 10.6 Hazardous decomposition products: Carbon monoxide

## **SECTION 11: Toxicological information**

· 11.1 Information on toxicological effects

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

(Contd. on page 6)

GB

**CCR** *Revision: 11.10.2018* 

(Contd. of page 5)

Printing date 13.09.2021

· Primary irritant effect:

Version number 14

Trade name: 4CR 7450 Cockpit-Spray

- · Skin corrosion/irritation Based on available data, the classification criteria are not met.
- · Serious eye damage/irritation Based on available data, the classification criteria are not met.
- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · Additional toxicological information:
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- *Reproductive toxicity Based on available data, the classification criteria are not met.*
- STOT-single exposure
- May cause drowsiness or dizziness.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- · Aspiration hazard
- May be fatal if swallowed and enters airways.

## **SECTION 12: Ecological information**

#### · 12.1 Toxicity

- Aquatic toxicity: No further relevant information available.
- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · Ecotoxical effects:
- · Remark: Toxic for fish
- · Additional ecological information:
- · General notes:
- Water hazard class 2 (German Regulation) : 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.

Also poisonous for fish and plankton in water bodies.

- Toxic for aquatic organisms
- · 12.5 Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- · 12.6 Other adverse effects No further relevant information available.

## **SECTION 13: Disposal considerations**

- 13.1 Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packaging:

• Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information		
· 14.1 UN-Number · ADR, IMDG, IATA	UN1950	
· 14.2 UN proper shipping name · ADR	UN1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS	
	(Contd. on page	

Revision: 11.10.2018

Printing date 13.09.2021

Version number 14

Trade name: 4CR 7450 Cockpit-Spray

IMDG	(Contd. of page AEROSOLS (PENTANES, Naphtha, aliphatic), MARINI
	POLLUTANT
	AEROSOLS, flammable
• 14.3 Transport hazard class(es)	
ADR	
· Class	2 5F Gases.
· Label	2.1
IMDG	
· Class · Label	2.1 2.1
· IATA	
· Class	2.1
· Label	2.1
14.4 Packing group ADR, IMDG, IATA	Void
· 14.5 Environmental hazards:	Product contains environmentally hazardous substances
Marine pollutant:	(R)-p-mentha-1,8-diene Yes
	Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
14.6 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, Clea of living quarters.
Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 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.
• 14.7 Transport in bulk according to Annex II o Marpol and the IBC Code	f Not applicable.
	(Contd. on page

**CCR** *Revision: 11.10.2018* 

Printing date 13.09.2021

Version number 14

Trade name: 4CR 7450 Cockpit-Spray

	(Contd. of page 7
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	1L
· Transport category	2
• Tunnel restriction code	D
· IMDG	
· Limited quantities (LQ)	1L
· UN "Model Regulation":	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

## **SECTION 15: Regulatory information**

· 15.1 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
- E2 Hazardous to the Aquatic Environment
- Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- · National regulations:
- · Additional classification according to Decree on Hazardous Materials, Annex II:

Class	Share in %
NK	50-100

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### · Relevant phrases

- H220 Extremely flammable gas.
- H224 Extremely flammable liquid and vapour.
- H225 Highly flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- H304 May be fatal if swallowed and enters airways.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- H411 Toxic to aquatic life with long lasting effects.
- · Classification according to Regulation (EC) No 1272/2008
- The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
- Abbreviations and acronyms:
- ICAO: International Civil Aviation Organisation
- RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
- 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
- 1A1A: International Air Transport Association GHS: Globally Harmonised System of Classifie
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances

Envects. European inventory of Existing Commercial Chemical Substances

(Contd. on page 9)

<sup>-</sup> GB

**A** Revision: 11.10.2018

Printing date 13.09.2021

Version number 14

## Trade name: 4CR 7450 Cockpit-Spray

(Contd. of page 8) ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) VOC: Volatile Organic Compounds (USA, EU) 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 Press. Gas (Liq.): Gases under pressure – Liquefied gas Flam. Liq. 1: Flammable liquids – Category 1 Flam. Liq. 2: Flammable liquids – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 Asp. Tox. 1: Aspiration hazard – Category 1 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2 \* **Data compared to the previous version altered.**