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

· 1.1 Product identifier

· Trade name: Q 70-450 1K Clearcoat Aerosol

• 1.2 Relevant identified uses of the substance or mixture and uses advised against • Sector of Use SU21 Consumer uses: Private households / general public / consumers

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites SU2 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

• *Application of the substance / the mixture: painting* • *Uses advised against No further relevant information available.*

• 1.3 Details of the supplier of the safety data sheet • Manufacturer/Supplier:

Q-Company Int. GmbH Lentföhrdener Strasse 12-14 D-24576 Weddelbrook Germany msds@qrefinish.com Tel +49 (0)4192 891420

· 1.4 Emergency telephone number: +49 (0)551-19240 (Giftinformationszentrum-Nord)

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture · Classification according to Regulation (EC) No 1272/2008



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



Eye Irrit. 2 H319 Causes serious eye irritation. STOT SE 3 H336 May cause drowsiness or dizziness.

· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

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- *PBT*: Not applicable.
- **vPvB**: Not applicable.

SECTION 3: Composition/information on ingredients

· 3.2 Mixtures

· Description: Mixture of substances listed below with nonhazardous additions.

· Dangerous components:

· Dangerous components:		
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49-xxxx	acetone	25-<50%
CAS: 115-10-6 EINECS: 204-065-8 Reg.nr.: 01-2119472128-37-xxxx	dimethyl ether 🚸 Flam. Gas 1A, H220; Press. Gas (Comp.), H280, EUH018	10-<25%
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CAS: 74.09.6		ntd. of page $10 < 250$
CAS: 74-98-6 EINECS: 200-827-9	propane $G = \{A, B\} = G = \{G, A, B\} = G = \{G, A, B\} = G = \{B, B\} = G = \{B, B\} = G = \{B, B\} =$	10-<259
Reg.nr.: 01-2119486944-21-xxxx	Flam. Gas 1A, H220; Press. Gas (Comp.), H280, EUH018	
CAS: 106-97-8	butane (containing $\leq 0,1$ % butadiene (203-450-8))	5-<10%
EINECS: 203-448-7	Flam. Gas 1A, H220; Press. Gas (Comp.), H280, EUH018	5-10/
Reg.nr.: 01-2119474691-32-xxxx	V Plam. Ous 1A, 11220, 1 less. Ous (Comp.), 11200, E011018	
CAS: 123-86-4	n-butyl acetate	5-<109
EINECS: 204-658-1	🛞 Flam. Liq. 3, H226; 🚸 STOT SE 3, H336, EUH066	
Reg.nr.: 01-2119485493-29-xxxx		
CAS: 75-28-5	isobutane (containing $\leq 0,1$ % butadiene (203-450-8))	5-<10%
EINECS: 200-857-2	🚸 Flam. Gas 1A, H220; Press. Gas (Comp.), H280, EUH018	
Reg.nr.: 01-2119485395-27-xxxx		
CAS: 9004-70-0	nitrocellulose with water(not less than 25% water, by mass)	2.5-<59
Reg.nr.: no Reach No. availlable	🔗 Expl. 1.1, H201	
CAS: 108-65-6	2-methoxy-1-methylethyl acetate	2.5-<59
EINECS: 203-603-9	🚸 Flam. Liq. 3, H226; 🚸 STOT SE 3, H336	
Reg.nr.: 01-2119475791-29-xxxx		
CAS: 64-17-5	ethanol	1-<2.59
EINECS: 200-578-6	🚸 Flam. Liq. 2, H225; 🚸 Eye Irrit. 2, H319	
Reg.nr.: 01-2119457610-43-xxxx		
CAS: 7397-62-8	butyl glycollate	1-<2.59
EINECS: 230-991-7	🚸 Repr. 2, H361; 🔶 Eye Dam. 1, H318	
Reg.nr.: 01-2119514685-36-xxxx		
CAS: 1330-20-7	xylene, mixture of isomers	1-<2.59
EINECS: 215-535-7	Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1,	
<i>Keg.nr.: 01-2119</i> 488210-52- <i>xxxx</i>	H304; 🕦 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	
CAS: 71-36-3	<i>2,</i> H515, Eye III. 2, H519, S101 SE 5, H555	<1%
EINECS: 200-751-6		N1%
	♦ Flam. Liq. 3, H226; ♦ Eye Dam. 1, H318; ♦ Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335; STOT SE 3,	
1	H336	
CAS: 100-41-4	ethylbenzene	<1%
EINECS: 202-849-4	(Flam. Liq. 2, H225; (STOT RE 2, H373; Asp. Tox. 1,	
Reg.nr.: 01-2119489370-35-xxxx	H304; (1) Acute Tox. 4, H332	

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

SECTION 4: First aid measures

• 4.1 Description of first aid measures

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

• After skin contact: Generally the product does not irritate the skin.

• After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

• After swallowing: If symptoms persist consult doctor.

• 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.

 \cdot 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 -

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• Suitable extinguishing agents: Cool container whit water

• 5.2 Special hazards arising from the substance or mixture No further relevant information available.

· 5.3 Advice for firefighters

· Protective equipment: No special measures required.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
- 6.2 Environmental precautions: 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 section 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: Not required.
- · Further information about storage conditions: None.
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

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· 8.1 Control parameters
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· Ingredients with limit values that require monitoring at the workplace:

67-64-1 acetone

WEL Short-term value: 3620 mg/m³, 1500 ppm Long-term value: 1210 mg/m³, 500 ppm

115-10-6 dimethyl ether

WEL Short-term value: 958 mg/m³, 500 ppm Long-term value: 766 mg/m³, 400 ppm

106-97-8 butane (containing ≤0,1 % butadiene (203-450-8))

WEL Short-term value: 1810 mg/m³, 750 ppm Long-term value: 1450 mg/m³, 600 ppm Carc (if more than 0.1% of buta-1.3-diene)

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123-8	6-4 n-butyl acetate (Contd. of page
	Short-term value: 966 mg/m³, 200 ppm Long-term value: 724 mg/m³, 150 ppm
108-6	5-6 2-methoxy-1-methylethyl acetate
WEL	Short-term value: 548 mg/m³, 100 ppm Long-term value: 274 mg/m³, 50 ppm Sk
64-17	-5 ethanol
WEL	Long-term value: 1920 mg/m³, 1000 ppm
1330-	20-7 xylene, mixture of isomers
WEL	Short-term value: 441 mg/m³, 100 ppm Long-term value: 220 mg/m³, 50 ppm Sk; BMGV
71-36	-3 butan-1-ol
WEL	Short-term value: 154 mg/m³, 50 ppm Sk
100-4	1-4 ethylbenzene
WEL	Short-term value: 552 mg/m³, 125 ppm Long-term value: 441 mg/m³, 100 ppm Sk
Ingre	dients with biological limit values:
1330-	20-7 xylene, mixture of isomers
	V 650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid

- · 8.2 Exposure controls
- Appropriate engineering controls No further data; see section 7.
- · Individual protection measures, such as personal protective equipment
- General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes. Avoid contact with the eyes and skin.

• **Respiratory protection:**



When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Half mask with combination filter, class A1P2 minimum, or breathing mask with outer air supply.

· Hand protection

Protective gloves



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

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

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· Penetration time of glove material

Gloves must be changed after every contamination. The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

 \cdot For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

butyl rubber, 0,7mm • **Eye/face protection**

Safety glasses



Tightly sealed goggles

SECTION 9: Physical and chemical properties

• 9.1 Information on basic physical and chemical p	roperties
· General Information	
· Physical state	Aerosol
· Colour:	According to product specification
· Odour:	Characteristic
· Odour threshold:	Not determined.
• Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling	
range	-44 °C
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	1.7 Vol % (74-98-6 propane)
· Upper:	18.6 Vol % (115-10-6 dimethyl ether)
· Flash point:	<0 °C
• Auto-ignition temperature:	235 °C (115-10-6 dimethyl ether)
• Decomposition temperature:	Not determined.
· pH	Not determined.
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic:	Not determined.
· Solubility	
· water:	Not miscible or difficult to mix.
• Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	3,600 hPa (74-98-6 propane)
· Vapour pressure at 50 °C:	800 hPa
• Density and/or relative density	
· Relative density	0.76 g/ml
· Vapour density	Not determined.
· 9.2 Other information	
· Appearance:	
· Form:	Aerosol
 Important information on protection of health an environment, and on safety. 	d
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of
	explosive air/vapour mixtures are possible. Not determined.
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Solvent content:	
Organic solvents:	90.1 %
	With propellant gas. Content given by weight.
VOC (EU)	(<840g/l)
	90.07 %
Solids content:	8.5 %
Change in condition	
Evaporation rate	Not applicable.
Information with regard to physical hazard o	classes
Explosives	Void
Flammable gases	Void
Aerosols	Extremely flammable aerosol. Pressurised container
	May burst if heated.
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flamm	able
gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

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.
- \cdot 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

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

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

· LD/LC50 values relevant for classification:

ATE (Acute Toxicity Estimates)DermalLD50135,131 mg/kg (rabbit)

Inhalative LC50/4 h 743 mg/l (rat)

· Serious eye damage/irritation Causes serious eye irritation.

· STOT-single exposure May cause drowsiness or dizziness.

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\cdot 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

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.
- · 12.5 Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB:** Ikke relevant.
- · 12.6 Endocrine disrupting properties
- The product does not contain substances with endocrine disrupting properties.
- \cdot 12.7 Other adverse effects
- \cdot Additional ecological information:
- · General notes: Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

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.

14.1 UN number or ID number		
ADR, IMDG, IATA	UN1950	
14.2 UN proper shipping name		
ADR	1950 AEROSOLS	
IMDG	AEROSOLS	
IATA	AEROSOLS, flammable	
ADR		
Class	2 5F Gases.	
Label	2.1	

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IMDG, IATA	
2	
▼	
Class Label	2.1 Gases.
	2.1
14.4 Packing group	
ADR, IMDG, IATA	Void
	not classified
14.5 Environmental hazards:	
Marine pollutant:	No
14.6 Special precautions for user	Warning: Gases.
Hazard identification number (Kemler code):	-
	not classified
EMS Number:	F-D,S-U
Stowage Code	SW1 Protected from sources of heat.
	SW22 For AEROSOLS with a maximum capacity of
	litre: Category A. For AEROSOLS with a capacity abo
	<i>1 litre: Category B. For WASTE AEROSOLS: Catego C, Clear of living quarters.</i>
Segregation Code	SG69 For AEROSOLS with a maximum capacity of
Segregation Coue	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
	For WASTE AEROSOLS:
	Segregation as for the appropriate subdivision of class
14.7 Maritime transport in bulk according to IM	
instruments	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0
	Not permitted as Excepted Quantity
Transport category	2
Tunnel restriction code	D
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0
	Not permitted as Excepted Quantity
UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

SECTION 15: Regulatory information

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 \cdot 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture VOC: <840g/l

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Listed

· Regulated explosives precursors

· Poisons Act

None of the ingredients is listed.

· Regulated poisons

None of the ingredients is listed.

· Reportable explosives precursors

67-64-1 acetone

· Reportable poisons

None of the ingredients is listed.

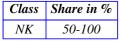
· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

- · Seveso category P3a FLAMMABLE AEROSOLS
- \cdot Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- \cdot Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

· National regulations:

· Technical instructions (air):



· Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

• 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. The safety data sheet may only be passed on to third parties for the manufacturer's brands.

· Relevant phrases

- H201 Explosive; mass explosion hazard.
- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H361 Suspected of damaging fertility or the unborn child.
- H373 May cause damage to organs through prolonged or repeated exposure.
- EUH018 In use may form flammable/explosive vapour-air mixture.

EUH066 Repeated exposure may cause skin dryness or cracking.

· Department issuing SDS: Product safety department

• Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation

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(Contd. of page 10) ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO) ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonised System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent PBT: Persistent, Bioaccumulative and Toxic vPvB: very Persistent and very Bioaccumulative ATE: Acute toxicity estimate values Expl. 1.1: Explosives – Division 1.1 Flam. Gas 1A: Flammable gases - Category 1A Aerosol 1: Aerosols – Category 1 : Aerosols – Category 3 Press. Gas (Comp.): Gases under pressure – Compressed gas Flam. Liq. 2: Flammable liquids – Category 2 Flam. Liq. 3: Flammable liquids - Category 3 Acute Tox. 4: Acute toxicity – Category 4 Skin Irrit. 2: Skin corrosion/irritation - Category 2 Eye Dam. 1: Serious eye damage/eye irritation - Category 1 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 Repr. 2: Reproductive toxicity – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 STOT RE 2: Specific target organ toxicity (repeated exposure) - Category 2 Asp. Tox. 1: Aspiration hazard - Category 1 \cdot * Data compared to the previous version altered. GB