

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 17.03.2017

Version number 5

Revision: 17.03.2017

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

- **1.1 Product identifier**
- **Trade name:** DUPLI-COLOR Color Spray Quality Paint (glossy)
- **Article number:**  
106347 - 106439, 584961, 413049, 585005, 584954, 625725 - 625800, 640346 - 640575, 584947, 654350, 671234, 584930, 671807, 584923, 673238 - 673740, 584916, 674020 / 674037, 584909, 683831, 584893, 699405 - 699443, 584992, 584985, 745560, 745829 - 745850, 747120, 768910 / 768927, 893902 - 893995
- **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
- **Product category** PC9a Coatings and paints, thinners, paint removers
- **Application of the substance / the mixture** Lacquer
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
MOTIP DUPLI GmbH  
Kurt Vogelsang Strasse 6  
D-74855 Haßmersheim  
Tel.: +49/6266/75-0  
msds@de.motipdupli.com
- **Further information obtainable from:** Department Product Safety
- **1.4 Emergency telephone number:**  
Tel.: +49 6266-75-310  
Fax +49 6266-75-362  
(Mo - Th 08:00 am - 04:00 pm, Fr 08:00 am - 00:30 pm)

**SECTION 2: Hazards identification**

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



GHS02 flame

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



GHS07

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 CLP regulation.

(Contd. on page 2)

GB

**Safety data sheet**  
according to 1907/2006/EC, Article 31

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Version number 5

Revision: 17.03.2017

Trade name: **DUPLI-COLOR Color Spray Quality Paint (glossy)**

(Contd. of page 1)

· **Hazard pictograms**

GHS02 GHS07

· **Signal word** *Danger*· **Hazard-determining components of labelling:***acetone*· **Hazard statements***H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.**H319 Causes serious eye irritation.**H336 May cause drowsiness or dizziness.*· **Precautionary statements***P101 If medical advice is needed, have product container or label at hand.**P102 Keep out of reach of children.**P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.**P211 Do not spray on an open flame or other ignition source.**P251 Do not pierce or burn, even after use.**P260 Do not breathe spray.**P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.**P501 Dispose of contents / container in accordance with regional regulations.*· **Additional information:***EUH066 Repeated exposure may cause skin dryness or cracking.**Buildup of explosive mixtures possible without sufficient ventilation.*· **2.3 Other hazards**· **Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

· **3.2 Chemical characterisation: Mixtures**· **Description:** Mixture of substances listed below with nonhazardous additions.· **Dangerous components:**

CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-001-00-8 Reg.nr.: 01-2119471330-49	<i>acetone</i>	<i>Flam. Liq. 2, H225</i> <i>Eye Irrit. 2, H319; STOT SE 3, H336</i>	25-<50%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21	<i>propane</i>	<i>Flam. Gas 1, H220</i> <i>Press. Gas C, H280</i>	20-<25%
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32	<i>butane</i>	<i>Flam. Gas 1, H220</i> <i>Press. Gas C, H280</i>	12.5-<20%
CAS: 75-28-5 EINECS: 200-857-2 Index number: 601-004-00-0 Reg.nr.: 01-2119485395-27	<i>isobutane</i>	<i>Flam. Gas 1, H220</i> <i>Press. Gas C, H280</i>	5-<10%

· **Additional information:**

*The content of Benzene (EINECS-Nr. 200-753-7) in the ingredients is less than 0,1% (Note P Annex 1A 1272/2008 EU), so the classification as carcinogen need not to apply.*

(Contd. on page 3)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

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Version number 5

Revision: 17.03.2017

**Trade name: DUPLI-COLOR Color Spray Quality Paint (glossy)**

(Contd. of page 2)

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:** Drink plenty of water and provide fresh air. Call for a doctor immediately.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **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:**  
CO<sub>2</sub>, powder or water spray. Larger fires with water spray or foam. Cool containers with water
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **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:**  
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:**  
Do not flush with water or aqueous cleansing agents  
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**  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store in a cool location.  
Observe official regulations on storing packagings with pressurised containers.
- **Information about storage in one common storage facility:** Not required.

(Contd. on page 4)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 17.03.2017

Version number 5

Revision: 17.03.2017

Trade name: **DUPLI-COLOR Color Spray Quality Paint (glossy)**

(Contd. of page 3)

- **Further information about storage conditions:**  
Do not seal receptacle gas tight.  
Protect from heat and direct sunlight.
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

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

#### · 8.1 Control parameters

- **Ingredients with limit values that require monitoring at the workplace:**

##### **67-64-1 acetone**

WEL	Short-term value: 3620 mg/m <sup>3</sup> , 1500 ppm Long-term value: 1210 mg/m <sup>3</sup> , 500 ppm
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##### **106-97-8 butane**

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)
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- **Additional information:** The lists valid during the making were used as basis.

#### · 8.2 Exposure controls

- **Personal protective equipment:**

- **General protective and hygienic measures:**

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Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes and skin.

- **Respiratory protection:**

Not necessary if room is well-ventilated.

Otherwise, filter class A / P2 or self contained.

Use suitable respiratory protective device in case of insufficient ventilation.

- **Protection of hands:**

In case of contact with spray dust protective gloves made of butyl should be used (min. 0.4 mm thick), e.g. KCL Camatril, article no. 898 or similar products



Protective gloves

Solvent resistant 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

- **Material of gloves** Butyl rubber, BR

- **Penetration time of glove material**

Butyl rubber gloves with a thickness of 0.4 mm are resistant to:

Acetone: 480 min

Butyl acetate: 60 min

Ethyl acetate: 170 min

Xylene: 42 min

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

(Contd. on page 5)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 17.03.2017

Version number 5

Revision: 17.03.2017

Trade name: **DUPLI-COLOR Color Spray Quality Paint (glossy)**· **Eye protection:** Safety glasses

(Contd. of page 4)

### **SECTION 9: Physical and chemical properties**

#### · **9.1 Information on basic physical and chemical properties**

##### · **General Information**

##### · **Appearance:**

· <b>Form:</b>	Aerosol
· <b>Colour:</b>	According to product specification
· <b>Odour:</b>	Characteristic
· <b>Odour threshold:</b>	Not determined.

· <b>pH-value:</b>	Not determined.
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##### · **Change in condition**

· <b>Melting point/freezing point:</b>	Undetermined.
· <b>Initial boiling point and boiling range:</b>	Not applicable, as aerosol.

· <b>Flash point:</b>	Not applicable, as aerosol.
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· <b>Flammability (solid, gas):</b>	Not applicable.
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· <b>Ignition temperature:</b>	240 °C
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· <b>Decomposition temperature:</b>	Not determined.
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· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
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· <b>Explosive properties:</b>	In use, may form flammable/explosive vapour-air mixture.
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##### · **Explosion limits:**

· <b>Lower:</b>	1.5 Vol %
· <b>Upper:</b>	13.0 Vol %

· <b>Vapour pressure at 20 °C:</b>	8300 hPa
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· <b>Density at 20 °C:</b>	0.73 g/cm <sup>3</sup>
· <b>Relative density</b>	Not determined.
· <b>Vapour density</b>	Not determined.
· <b>Evaporation rate</b>	Not applicable.

· <b>Solubility in / Miscibility with water:</b>	Not miscible or difficult to mix.
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· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
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##### · **Viscosity:**

· <b>Dynamic:</b>	Not determined.
· <b>Kinematic:</b>	Not determined.

##### · **Solvent content:**

· <b>VOC-(EU)</b>	---
	640.4 g/l
· <b>VOC-EU%</b>	87.78 %

· <b>Solids content:</b>	3.2 %
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· <b>9.2 Other information</b>	No further relevant information available.
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### **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.

(Contd. on page 6)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 17.03.2017

Version number 5

Revision: 17.03.2017

Trade name: **DUPLI-COLOR Color Spray Quality Paint (glossy)**

(Contd. of page 5)

- **10.4 Conditions to avoid** No further relevant information available.
- **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 toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

**67-64-1 acetone**

Oral	LD50	5800 mg/kg (rat)
Dermal	LD50	20000 mg/kg (rabbit)

**106-97-8 butane**

Inhalative	LC50/4 h	658 mg/l (rat)
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**64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy**

Oral	LD50	>5000 mg/kg (rat) (OECD 403)
Dermal	LD50	>2000 mg/kg (rat)

**64742-48-9 Naphtha (petroleum), hydrotreated heavy**

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rab)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**  
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, 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** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

**64742-82-1 Naphtha (petroleum), hydrodesulfurized heavy**

EC50 / 48h	43.98 mg/l (bel) (berechnet)
	10-20 mg/l (daphnia magna / Wasserfloh) (OECD 202)
NOEC	0.22 mg/l (Pseudokirchneriella subcapitata) (OECD 201 (72h))

- **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.

· **Additional ecological information:**

· **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.

· **12.5 Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

(Contd. on page 7)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

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Version number 5

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Trade name: **DUPLI-COLOR Color Spray Quality Paint (glossy)**

(Contd. of page 6)

- **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.

- **European waste catalogue**


08 01 11*	waste paint and varnish containing organic solvents or other hazardous substances
15 01 04	metallic packaging
15 01 11*	metallic packaging containing a hazardous solid porous matrix (for example asbestos), including empty pressure containers

- **Uncleaned packaging:**
- **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

### SECTION 14: Transport information

- **14.1 UN-Number**  
· **ADR, IMDG, IATA** UN1950
- **14.2 UN proper shipping name**  
· **ADR** UN1950 AEROSOLS  
· **IMDG** AEROSOLS  
· **IATA** AEROSOLS, flammable
- **14.3 Transport hazard class(es)**  
· **ADR**  
  
· **Class** 2 5F Gases.  
· **Label** 2.1

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- **IMDG, IATA**  
  
· **Class** 2.1  
· **Label** 2.1
- **14.4 Packing group**  
· **ADR, IMDG, IATA** Void
- **14.5 Environmental hazards:** Not applicable.
- **14.6 Special precautions for user** Warning: Gases.  
· **Danger code (Kemler):** -  
· **EMS Number:** F-D,S-U

(Contd. on page 8)

**Safety data sheet**  
according to 1907/2006/EC, Article 31

Printing date 17.03.2017

Version number 5

Revision: 17.03.2017

Trade name: **DUPLI-COLOR Color Spray Quality Paint (glossy)**

(Contd. of page 7)

· <b>Stowage Code</b>	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
· <b>Segregation Code</b>	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D
· <b>IMDG</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
· <b>UN "Model Regulation":</b>	UN 1950 AEROSOLS, 2.1

\* **SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Waterhazard class:** Water hazard class 2 (Self-assessment): 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.

- **Relevant phrases**  
H220 Extremely flammable gas.  
H225 Highly flammable liquid and vapour.  
H280 Contains gas under pressure; may explode if heated.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.
- **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  
ADR: Accord européen sur le transport 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)

(Contd. on page 9)



**Safety data sheet**  
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**Trade name: DUPLI-COLOR Color Spray Quality Paint (glossy)**

(Contd. of page 8)

*VOC: Volatile Organic Compounds (USA, EU)**LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**vPvB: very Persistent and very Bioaccumulative**Flam. Gas 1: Flammable gases – Category 1**Aerosol 1: Aerosols – Category 1**Press. Gas C: Gases under pressure – Compressed gas**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*

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