

## Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing date 06.07.2010

Revision: 06.07.2010

### 1 Identification of the substance/preparation and of the company/undertaking

· **Product details**

· **Trade name:** ColorMark Spot Marker/Fluo/Allround

· **Article number:**

201479, 201486, 201493, 201509, 201516, 201523, 201530, 201547, 201554, 201561, 201578, 201585, 201592, 201608, 201615, 201622, 220739, 220746, 220753, 220760, 220777, 220784, 226847, 226854, 226861, 226878, 226885, 192425, 257650, 278280

· **Application of the substance / the preparation** *Lacquer*

· **Manufacturer/Supplier:**

MOTIP DUPLI GmbH  
Kurt Vogelsang Strasse 6  
D-74855 Haßmersheim  
Tel.: +49/6266/75-0

*sicherheitsdatenblatt@dupli-color.de*

· **Further information obtainable from:** *Abteilung Produktsicherheit*

· **Information in case of emergency:**

Tel.: +49 6266-75-310

Fax +49 6266-75-362

(Mo - Do 08:00 - 16:00 Uhr, Fr 08:00 - 12:30 Uhr)

### 2 Hazards identification

· **Hazard description:**



**F+** Extremely flammable

· **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

Warning! Pressurized container.

R 12 Extremely flammable.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C (e.g. in the car). Do not pierce or burn, even after use.

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

Buildup of explosive mixtures possible without sufficient ventilation.

· **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

### 3 Composition/information on ingredients

· **Chemical characterization**

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

· **Dangerous components:**

CAS: 64742-48-9 EINECS: 265-150-3	Naphtha (petroleum), hydrotreated heavy	Xn; R 65	25-50%
CAS: 106-97-8 EINECS: 203-448-7	butane (containing < 0,1 % butadiene (203-450-8))	F+; R 12	10-25%
CAS: 74-98-6 EINECS: 200-827-9	propane	F+; R 12	10-25%

(Contd. on page 2)

# Safety Data Sheet

## according to 1907/2006/EC, Article 31

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Revision: 06.07.2010

Trade name: ColorMark Spot Marker/Fluo/Allround

(Contd. of page 1)

CAS: 141-78-6 EINECS: 205-500-4	Ethylacetat	Xi, F; R 11-36-66-67	5-10%
CAS: 123-86-4 EINECS: 204-658-1	n-butyl acetate	R 10-66-67	2.5-<5.0%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

### 4 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. Then consult a doctor.
- **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.

### 5 Fire-fighting measures

- **Suitable extinguishing agents:** CO<sub>2</sub>, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:**  
Water  
Water with full jet
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.  
Do not allow product to reach sewage system or any water course.
- **Measures for cleaning/collecting:**  
Do not flush with water or aqueous cleansing agents  
Ensure adequate ventilation.

### 7 Handling and storage

- **Handling:**
- **Information 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.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store in a cool location.  
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**  
Do not seal receptacle gas tight.  
Keep container tightly sealed.  
Store in cool, dry conditions in well sealed receptacles.  
Protect from heat and direct sunlight.

GB

(Contd. on page 3)

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(Contd. of page 2)

## 8 Exposure controls/personal protection

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

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

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

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)

**141-78-6 Ethylacetat**

WEL ( ) Short-term value: 400 ppm  
Long-term value: 200 ppm

**123-86-4 n-butyl acetate**

WEL ( ) Short-term value: 966 mg/m<sup>3</sup>, 200 ppm  
Long-term value: 724 mg/m<sup>3</sup>, 150 ppm

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

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

· **Respiratory protection:** Not required.

· **Protection of hands:**



Protective gloves

Solvent resistant gloves

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

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

· **Material of gloves**

Natural rubber, NR

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.

· **Penetration time of glove material**

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

· **Eye protection:**



Tightly sealed goggles

## 9 Physical and chemical properties

· **General Information**

**Form:** Aerosol  
**Colour:** According to product specification  
**Odour:** Characteristic

(Contd. on page 4)

GB

# Safety Data Sheet

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Revision: 06.07.2010

Trade name: ColorMark Spot Marker/Fluo/Allround

(Contd. of page 3)

- **Change in condition**  
*Melting point/Melting range:* Undetermined.  
*Boiling point/Boiling range:* Not applicable, as aerosol.
- **Flash point:** Not applicable, as aerosol.
- **Self-igniting:** Product is not selfigniting.
- **Danger of explosion:** In use, may form flammable/explosive vapour-air mixture.
- **Explosion limits:**  
*Lower:* 0.6 Vol %  
*Upper:* 10.9 Vol %
- **Vapour pressure at 20°C:** 8300 hPa
- **Density at 20°C:** 0.83 g/cm<sup>3</sup>
- **Solubility in / Miscibility with water:** Not miscible or difficult to mix.  
**VOC-(EU)** 684 g/l  
 680.6 g/l

## 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Materials to be avoided:**
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

## 11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values relevant for classification:**  
 64742-48-9 Naphtha (petroleum), hydrotreated heavy

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

- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

## 12 Ecological information

- **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.

## 13 Disposal considerations

- **Product:**
- **Recommendation**  
 Must not be disposed together with household garbage. Do not allow product to reach sewage system.

(Contd. on page 5)

GB

# Safety Data Sheet

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Revision: 06.07.2010

Trade name: ColorMark Spot Marker/Fluo/Allround

(Contd. of page 4)

· **European waste catalogue**

08 01 11\* waste paint and varnish containing organic solvents or other dangerous substances

15 01 04 metallic packaging

· **Uncleaned packaging:**· **Recommendation:** Disposal must be made according to official regulations.

## 14 Transport information

· **Land transport ADR/RID (cross-border)**

- **ADR/RID class:** 2 5F Gases.
- **Danger code (Kemler):** -
- **UN-Number:** 1950
- **Packaging group:** -
- **Hazard label** 2.1
- **Description of goods:** 1950 AEROSOLS
- **Limited quantities (LQ)** LQ2
- **Tunnel restriction code** D

· **Maritime transport IMDG:**

- **IMDG Class:** 2.1
- **UN Number:** 1950
- **Label** 2.1
- **Packaging group:** -
- **EMS Number:** F-D,S-U
- **Marine pollutant:** No
- **Proper shipping name:** AEROSOLS

· **Air transport ICAO-TI and IATA-DGR:**

- **ICAO/IATA Class:** 2.1
- **UN/ID Number:** 1950
- **Label** 2.1
- **Packaging group:** -
- **Proper shipping name:** AEROSOLS, flammable

## 15 Regulatory information

· **Labelling according to EU guidelines:**

Observe the general safety regulations when handling chemicals.

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

(Contd. on page 6)

GB

# Safety Data Sheet

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Trade name: ColorMark Spot Marker/Fluo/Allround

(Contd. of page 5)

## · Code letter and hazard designation of product:



F+ Extremely flammable

## · Risk phrases:

In use, may form flammable/explosive vapour-air mixture.  
 12 Extremely flammable.

## · Safety phrases:

2 Keep out of the reach of children.  
 16 Keep away from sources of ignition - No smoking.  
 23 Do not breathe aerosol.  
 24/25 Avoid contact with skin and eyes.  
 29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.  
 46 If swallowed, seek medical advice immediately and show this container or label.  
 51 Use only in well-ventilated areas.

## · Special labelling of certain preparations:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C (e.g. in the car). Do not pierce or burn, even after use.  
 Do not spray on a naked flame or any incandescent material.  
 Buildup of explosive mixtures possible without sufficient ventilation.

## · Classification in accordance with Directive 75/324/EEC: Extremely flammable

## · Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

## 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 R-phrases

10 Flammable.  
 11 Highly flammable.  
 12 Extremely flammable.  
 36 Irritating to eyes.  
 65 Harmful: may cause lung damage if swallowed  
 66 Repeated exposure may cause skin dryness or cracking.  
 67 Vapours may cause drowsiness and dizziness.

## · Contact: Anwendungstechnik

## · Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
 ICAO: International Civil Aviation Organization  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent

## · \* Data compared to the previous version altered. SDB - Änderung gültig ab Abfüllung am

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