

**Safety Data Sheet**  
Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2015

Revision: 16.06.2015

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

- **1.1 Product identifier**
- **Trade name: Color lead (Yellow) for Zensations MP**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Application of the substance / the mixture: Drawing**
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
ZEBRA CO., LTD.  
2-9 Higashi-gokencho Shinjuku-ku Tokyo JAPAN  
Phone: +81-3-3268-1193  
Fax: +81-3-3268-1197  
Emergency telephone : +81-3-3268-1193  
This phone number is available only during office hours:  
9am to 5:30pm (Japan time)

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The product is not classified according to the CLP regulation.
- **Information concerning particular hazards for human and environment:**  
The product has not to be labelled due to the calculation procedure of Regulation 1272/2008/EC.
- **Classification system:**  
The classification is according to the EU Regulation 1272/2008/EC, and extended by company and literature data.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Not applicable.
- **Hazard pictograms** Not applicable.
- **Signal word** Not applicable.
- **Hazard-determining components of labelling:** Not applicable.
- **Hazard statements** Not applicable.
- **Precautionary statements** Not applicable.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Composition:**

CAS: 1319-41-1 EINECS: 215-289-0	Saponite	30,0%
CAS: 557-04-0 EINECS: 209-150-3	magnesium distearate, pure	30,0%
CAS: 9004-32-4	carboxymethyl cellulose, sodium salt	11,0%

(Contd. on page 2)

EU

**Safety Data Sheet**  
Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2015

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Trade name:

		(Contd. of page 1)
CAS: 1332-58-7 EC number: 310-194-1	Kaolin substance with a Community workplace exposure limit	10,0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	6,0%
CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes,microcryst.	6,0%
CAS: 2512-29-0 EINECS: 219-730-8	2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide	5,0%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate, pure substance with a Community workplace exposure limit	1,5%
CAS: 147-14-8 EINECS: 205-685-1	29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper	0,5%

· **Remark :** All ingredients listed above are not classified according to EU Regulation 1272/2008/EC.

#### 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:**  
Immediately wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact:**  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**  
Rinse out mouth with water.  
Seek immediate medical advice.  
Never give anything by mouth to an unconscious person.
- **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. 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 fully protective suit.  
Mouth respiratory protective device.

#### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Ensure adequate ventilation.  
Avoid formation of dust.  
Use respiratory protective device against the effects of fumes/dust/aerosol.  
Avoid contact with eyes.  
Avoid contact with skin.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

(Contd. on page 3)

EU

**Safety Data Sheet**  
Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2015

Revision: 16.06.2015

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(Contd. of page 2)

· **6.3 Methods and material for containment and cleaning up:**

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

· **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.

Prevent formation of dust.

Avoid contact with eyes and skin.

For the general occupational hygienic measures refer to Section 8.

· **Information about fire - and explosion protection:** Normal measures for preventive fire protection.

· **7.2 Conditions for safe storage, including any incompatibilities**

· **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Store only in the original receptacle.

· **Information about storage in one common storage facility:**

Store away from foodstuffs.

Store away from oxidising agents.

· **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

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

### SECTION 8: Exposure controls/personal protection

· **8.1 Control parameters**

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

**1332-58-7 Kaolin (10,0%)**

WEL (Great Britain) Long-term value: 2 mg/m<sup>3</sup>

**13463-67-7 titanium dioxide (6,0%)**

AGW (Germany) Long-term value: 1,25\* 10\*\* mg/m<sup>3</sup>  
2(II); \*alveolengängig\*\*eintembar; AGS, DFG

WEL (Great Britain) Long-term value: 10\* 4\*\* mg/m<sup>3</sup>  
\*total inhalable \*\*respirable

VME (France) Long-term value: 10 mg/m<sup>3</sup>

**557-05-1 zinc distearate, pure (1,5%)**

WEL (Great Britain) Short-term value: 20\* mg/m<sup>3</sup>  
Long-term value: 10\* 4\*\* mg/m<sup>3</sup>  
\*inhalable dust \*\*respirable dust

VME (France) Long-term value: 10 mg/m<sup>3</sup>

· **DNELs:** Not applicable.

· **PNECs:** Not applicable.

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

· **8.2 Exposure controls**

· **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure**

· **Appropriate engineering controls** See Section 7 for information about design of technical facilities.

(Contd. on page 4)

**Safety Data Sheet**  
Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2015

Revision: 16.06.2015

Trade name:

(Contd. of page 3)

- **Personal protective equipment**
- **Respiratory protection:** Suitable respiratory protective device recommended.
- **Protection of hands:**



Protective 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:**  
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

- **Environmental exposure controls:**  
Control measures must be made in accordance with Community environmental protection legislation.

### SECTION 9: Physical and chemical properties

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

##### · General Information

##### · Appearance:

- |                           |                     |
|---------------------------|---------------------|
| · <b>Form:</b>            | Solid               |
| · <b>Colour:</b>          | Yellow              |
| · <b>Odour:</b>           | Odourless           |
| · <b>Odour threshold:</b> | Data not available. |

- |                    |                     |
|--------------------|---------------------|
| · <b>pH-value:</b> | Data not available. |
|--------------------|---------------------|

##### · Change in condition:

- |                                       |                     |
|---------------------------------------|---------------------|
| · <b>Melting point/Melting range:</b> | Data not available. |
| · <b>Freezing point:</b>              | Data not available. |
| · <b>Boiling point/Boiling range:</b> | Data not available. |

- |                       |                     |
|-----------------------|---------------------|
| · <b>Flash point:</b> | Data not available. |
|-----------------------|---------------------|

- |   |                     |
|---|---------------------|
| · <b>Flammability (solid, gaseous):</b> | Data not available. |
| · <b>Auto-ignition temperature:</b>     | Data not available. |

- |                                     |                     |
|-------------------------------------|---------------------|
| · <b>Decomposition temperature:</b> | Data not available. |
|-------------------------------------|---------------------|

- |                         |                              |
|-------------------------|------------------------------|
| · <b>Self-igniting:</b> | Product is not selfigniting. |
|-------------------------|------------------------------|

- |                                |   |
|--------------------------------|---|
| · <b>Explosive properties:</b> | Product does not present an explosion hazard. |
|--------------------------------|---|

##### · Explosion limits

- |                 |                     |
|-----------------|---------------------|
| · <b>Lower:</b> | Data not available. |
| · <b>Upper:</b> | Data not available. |

(Contd. on page 5)

EU

**Safety Data Sheet**  
Regulation(EC) No.1907/2006, 1272/2008

Printing date 16.06.2015

Revision: 16.06.2015

Trade name:

(Contd. of page 4)

· <b>Oxidizing properties:</b>	Data not available.
· <b>Vapour pressure:</b>	Data not available.
· <b>Density:</b>	Data not available.
· <b>Relative density:</b>	Data not available.
· <b>Vapour density:</b>	Data not available.
· <b>Evaporation rate:</b>	Data not available.
· <b>Solubility in / Miscibility with water:</b>	Data not available.
· <b>Partition coefficient (n-octanol/water):</b>	Data not available.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Data not available.
<b>Kinematic:</b>	Data not available.
· <b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No decomposition if used according to specifications.
- **10.2 Chemical stability** Stable under recommended storage conditions.
- **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:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**

- **Acute toxicity**

· <b>LD/LC50 values relevant for classification:</b>		
<b>13463-67-7 titanium dioxide</b>		
Oral	LD50	>20000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6,82 mg/l (rat)
<b>63231-60-7 Paraffin waxes and Hydrocarbon waxes,microcryst.</b>		
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>3600 mg/kg (rabbit)
<b>9004-32-4 carboxymethyl cellulose, sodium salt</b>		
Oral	LD50	27000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
<b>557-04-0 magnesium distearate, pure</b>		
Oral	LD50	>2000 mg/kg (rat)
<b>557-05-1 zinc distearate, pure</b>		
Oral	LD50	>10000 mg/kg (mouse)
		>10000 mg/kg (rat)
<b>147-14-8 29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper</b>		
Oral	LD50	>2000 mg/kg (rat)

(Contd. on page 6)

EU

**Safety Data Sheet**  
Regulation(EC) No.1907/2006, 1272/2008

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Trade name:

(Contd. of page 5)

- **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.
- **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**  
Based on available data, the classification criteria are not met.
- **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:** 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:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.
- **12.7 Additional ecological information:**
- **General notes:**  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

- |  |                 |
|--|-----------------|
| · <b>14.1 UN-Number</b>                  |                 |
| · <b>ADR,RID,ADN, IMDG, IATA</b>         | Not applicable. |
| · <b>14.2 UN proper shipping name</b>    |                 |
| · <b>ADR,RID,ADN, IMDG, IATA</b>         | Not applicable. |
| · <b>14.3 Transport hazard class(es)</b> |                 |
| · <b>ADR,RID,ADN, IMDG, IATA</b>         |                 |
| · <b>Class</b>                           | Not applicable. |
| · <b>14.4 Packing group</b>              |                 |
| · <b>ADR,RID,ADN, IMDG, IATA</b>         | Not applicable. |
| · <b>14.5 Environmental hazards</b>      |                 |
| · <b>Marine pollutant:</b>               | No              |

(Contd. on page 7)

**Safety Data Sheet**  
Regulation(EC) No.1907/2006, 1272/2008

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(Contd. of page 6)

· 14.6 Special precautions for user Not applicable.

· 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.

· UN "Model Regulation": -

### SECTION 15: Regulatory information

· 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

· MAK(German Maximum Workplace Concentration)

13463-67-7 titanium dioxide

3A

· Directive 2012/18/EU

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

· National regulations:

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

· Other regulations, limitations and prohibitive regulations

· SVHC Candidate List of REACH Regulation Annex XIV Authorisation (15/6/2015)

None of the ingredients is listed.

· REACH Regulation Annex XVII Restriction (22/4/2015 )

See Section 16 for information about restriction of use.

None of the ingredients is listed.

· REACH Regulation Annex XIV Authorisation List (14/8/2014)

None of the ingredients is listed.

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

### SECTION 16: Other information

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The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

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· 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)

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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

\*\*\*\*\*

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