

# 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 (Sky Blue) 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	32,0%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate, pure substance with a Community workplace exposure limit	25,0%
CAS: 1332-58-7 EC number: 310-194-1	Kaolin substance with a Community workplace exposure limit	10,0%

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CAS: 9004-32-4	carboxymethyl cellulose, sodium salt	10,0%
CAS: 147-14-8 EINECS: 205-685-1	29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper	9,5%
CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes,microcryst.	6,0%
CAS: 9000-01-5 EINECS: 232-519-5	gum arabic	5,0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	2,5%

· 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 medical treatment.  
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:** Use fire extinguishing methods suitable to surrounding conditions.
- **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.
- **6.3 Methods and material for containment and cleaning up:**  
Pick up mechanically.  
Dispose contaminated material as waste according to item 13.

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- **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:**

<b>557-05-1 zinc distearate, pure (25,0%)</b>	
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>
<b>1332-58-7 Kaolin (10,0%)</b>	
WEL (Great Britain)	Long-term value: 2 mg/m <sup>3</sup>
<b>13463-67-7 titanium dioxide (2,5%)</b>	
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>

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

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· **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>	Blue
· <b>Odour:</b>	Odourless
· <b>Odour threshold:</b>	Data not available.

· **pH-value:** 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.

· **Flash point:** Data not available.

· **Flammability (solid, gaseous):** Data not available.

· **Auto-ignition temperature:** Data not available.

· **Decomposition temperature:** Data not available.

· **Self-igniting:** Product is not selfigniting.

· **Explosive properties:** Product does not present an explosion hazard.

· **Explosion limits**

· <b>Lower:</b>	Data not available.
· <b>Upper:</b>	Data not available.
· <b>Oxidizing properties:</b>	Data not available.

· **Vapour pressure:** Data not available.

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- <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.
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- <b>Partition coefficient (n-octanol/water):</b>	Data not available.
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- <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.
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### 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

##### LD/LC50 values relevant for classification:

##### 13463-67-7 titanium dioxide

Oral	LD50	>20000 mg/kg (rat)
Dermal	LD50	>10000 mg/kg (rabbit)
Inhalative	LC50/4 h	>6,82 mg/l (rat)

##### 63231-60-7 Paraffin waxes and Hydrocarbon waxes, microcryst.

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>3600 mg/kg (rabbit)

##### 9000-01-5 gum arabic

Oral	LD50	>16000 mg/kg (mouse)
		>16000 mg/kg (rat)
		>8000 mg/kg (rabbit)

##### 9004-32-4 carboxymethyl cellulose, sodium salt

Oral	LD50	27000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)

##### 557-05-1 zinc distearate, pure

Oral	LD50	>10000 mg/kg (mouse)
		>10000 mg/kg (rat)

##### 147-14-8 29H,31H-phthalocyaninato(2-)-N29,N30,N31,N32 copper

Oral	LD50	>2000 mg/kg (rat)
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- **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

- |  |                 |
|--|-----------------|
| <ul style="list-style-type: none"> <li>· <b>14.1 UN-Number</b></li> <li>· <b>ADR,RID,ADN, IMDG, IATA</b></li> </ul>  | Not applicable. |
| <ul style="list-style-type: none"> <li>· <b>14.2 UN proper shipping name</b></li> <li>· <b>ADR,RID,ADN, IMDG, IATA</b></li> </ul>                            | Not applicable. |
| <ul style="list-style-type: none"> <li>· <b>14.3 Transport hazard class(es)</b></li> <li>· <b>ADR,RID,ADN, IMDG, IATA</b></li> <li>· <b>Class</b></li> </ul> | Not applicable. |
| <ul style="list-style-type: none"> <li>· <b>14.4 Packing group</b></li> <li>· <b>ADR,RID,ADN, IMDG, IATA</b></li> </ul>                                      | Not applicable. |
| <ul style="list-style-type: none"> <li>· <b>14.5 Environmental hazards</b></li> <li>· <b>Marine pollutant:</b></li> </ul>                                    | No              |

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|--|-----------------|
| · 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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