

Safety data sheet
Regulation(EC) No. 1907/2006, 1272/2008

Printing date 11.10.2016

Revision: 10.10.2016

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

- **1.1 Product identifier**
- **Trade name:** Color lead (Lt. Peach) 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 latest edition of 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: 1332-58-7 EC number: 310-194-1	Kaolin substance with a Community workplace exposure limit	45,0%
CAS: 557-04-0 EINECS: 209-150-3	magnesium distearate, pure	30,0%
CAS: 9004-32-4	Carboxymethylcellulose Sodium	10,0%

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CAS: 63231-60-7 EINECS: 264-038-1	Paraffin waxes and Hydrocarbon waxes,microcryst.	7,0%
CAS: 13463-67-7 EINECS: 236-675-5	titanium dioxide substance with a Community workplace exposure limit	5,0%
CAS: 557-05-1 EINECS: 209-151-9	zinc distearate substance with a Community workplace exposure limit	1,5%
CAS: 2512-29-0 EINECS: 219-730-8	2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide	1,5%

Remark:

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

2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide (CAS No.2512-29-0)
 Synonym: Pigment Yellow 1

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:**

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.

Never give anything by mouth to an unconscious person.

Seek medical treatment.

· **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:**

CO₂ 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.

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- **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**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of dust.
Avoid contact with skin and eyes.
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.
 - **Information about storage in one common storage facility:** Store away from foodstuffs.
 - **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 (45,0%)	
WEL (Great Britain)	Long-term value: 2 mg/m ³
13463-67-7 titanium dioxide (5,0%)	
AGW (Germany)	Long-term value: 1,25* 10** mg/m ³ 2(II);*alveolengängig**einatembar; AGS, DFG
VME (France)	Long-term value: 10 mg/m ³
WEL (Great Britain)	Long-term value: 10* 4** mg/m ³ *total inhalable **respirable
557-05-1 zinc distearate (1,5%)	
VME (France)	Long-term value: 10 mg/m ³
WEL (Great Britain)	Short-term value: 20* mg/m ³ Long-term value: 10* 4** mg/m ³ *inhalable dust **respirable dust

- **DNELs:** Data not available
- **PNECs:** Data not available
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
 - **Based on 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**- **Appearance:**

Form:	Solid
Colour:	Seashell Peach
Odour:	Odourless
Odour threshold:	Data not available.

- **pH-value:** Data not available- **Change in condition**

Melting point/Melting range:	Data not available.
Boiling point/Boiling range:	Data not available
Freezing point:	Data not available

- **Flash point:** Data not available- **Flammability (solid, gaseous):** Date not available.- **Auto-Ignition temperature:** Data not available- **Decomposition temperature:** Date not available.- **Self-igniting:** Product is not selfigniting.- **Explosive properties:** Product does not present an explosion hazard.- **Explosion limits:**

Lower:	Data not available.
Upper:	Data not available.

- **Oxidising properties** Data not available- **Vapour pressure:** Date not available.

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

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No decomposition if used according to specification.
- **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** Based on available data, the classification criteria are not met.

- **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)

9004-32-4 Carboxymethylcellulose Sodium

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

557-05-1 zinc distearate

Oral	LD50	> 10000 mg/kg (mouse) > 10000 mg/kg (rat)
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2512-29-0 2-[(4-methyl-2-nitrophenyl)azo]-3-oxo-N-phenylbutyramide

Oral	LD50	>10000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)

- **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.

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- **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

- | | |
|--|--|
| · 14.1 UN-Number | |
| · ADR,RID,ADN, IMDG, IATA | Not applicable |
| · 14.2 UN proper shipping name | |
| · ADR,RID,ADN, IMDG, IATA | Not applicable |
| · 14.3 Transport hazard class(es) | |
| · ADR,RID,ADN, IMDG, IATA | |
| · Class | Not applicable |
| · 14.4 Packing group | |
| · ADR,RID,ADN, IMDG, IATA | Not applicable |
| · 14.5 Environmental hazards | Not applicable. |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · 14.8 Transport/Additional information: | Not dangerous according to the above specifications. |

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- 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 (20/6/2016)

None of the ingredients is listed.

- REACH Regulation Annex XVII Restriction (24/6/2016)

See Section 16 for information about restriction of use.

None of the ingredients is listed.

- REACH Regulation Annex XIV Authorization 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

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

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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