

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



29210 Kremer Color Paste - Daylight Fluorescent Orange

Page 1

Revised edition: 12.08.2016

Version: 1

Printed: 14.09.2016

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Kremer Color Paste - Daylight Fluorescent Orange

Article No.: 29210

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:
Industrial colorant

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Kremer Pigmente GmbH & Co. KG

Address: Hauptstr. 41-47, 88317 Aichstetten, Germany

Tel./Fax.: Tel +49 7565 914480, Fax +49 7565 1606

Internet: www.kremer-pigmente.de

E-Mail: info@kremer-pigmente.de

Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

This product does not require classification and labelling as hazardous according to CLP/GHS.

Classification according to Directive No. 67/548/EC or No. 1999/45/EC

Safety Phrases:

Possible Environmental Effects:

2.2. Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

No classification required according to the CLP/GHS guidelines.

Hazard designation:

Signal word:

Hazard designation:

EUH208

May produce an allergic reaction.

Safety designation:

Hazardous components for labelling:

2.3. Other Hazards

Contains formaldehyde (< 0.05 %): can cause allergic reactions.

next page: 2

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



29210 Kremer Color Paste - Daylight Fluorescent Orange

Page 2

Revised edition: 12.08.2016

Version: 1

Printed: 14.09.2016

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: Dispersion of fluorescent pigment in aqueous media containing dispersing agents and humectants.

Information on Components / Hazardous Ingredients:

Ethane-1,2-diol (Xn; R22; H302-373), REACH 01-2119456816-28-xxxx	< 10 %	CAS-Nr: 107-21-1 EINECS-Nr: 203-473-3 EC-Nr: 603-027-00-1
--	--------	---

Ammonia solution (C, N; R34-50; H314-318-400-411)	< 0.5 %	CAS-Nr: 1336-21-6 EINECS-Nr: 215-647-6 EC-Nr: 007-001-01-2
---	---------	--

C.I. Basic Violet 11.1 (H301-318-331-411)	< 0.4 %	CAS-Nr: 73398-89-7 EINECS-Nr: 277-459-0 EC-Nr:
---	---------	--

Formaldehyde (T, Carc. Cat.3; R23/24/25-34-40-43; H301-311-314-317-331-341-350); REACH Reg.No. 01-2119488953-20-xxxx	< 0.05 %	CAS-Nr: 50-00-0 EINECS-Nr: 200-001-8 EC-Nr: 605-001-00-5
--	----------	--

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

No special measures required.

After inhalation:

Take affected person to fresh air.

After skin contact:

Wash off with plenty of water and soap.

After eye contact:

Rinse open eyes with plenty of water for at least 15 minutes. Consult physician.

After ingestion:

Rinse mouth thoroughly with plenty of water and drink plenty of water. Consult a physician.

Do not induce vomiting.

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

No further information available.

Effects:

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

next page: 3

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



29210 Kremer Color Paste - Daylight Fluorescent Orange

Page 3

Revised edition: 12.08.2016

Version: 1

Printed: 14.09.2016

No information available.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Foam, carbon dioxide (CO₂), extinguishing powder, water spray.

Unsuitable extinguishing media:

None known.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: formation of irritating gases/vapors.

5.3. Advice for Firefighters

Protective equipment:

No special measures required.

Further information:

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Wear protective clothing.

6.2. Environmental Precautions

Environmental precautions:

Contact local authorities if product pollutes soil or vegetation.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Contain with absorbent material (sand, earth, vermiculite or diatomaceous earth) and collect in appropriate containers for disposal.

Rinse with lots of water.

6.4. Reference to other Sections

Protective clothing, see Section 8.

Dispose of contaminated material according to Section 13.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Provide adequate ventilation.

Wear adequate protective clothing (see para. 8).

Avoid contact with eyes and skin.

Hygienic measures:

Keep away from foodstuffs and drinks.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a dry and well ventilated

next page: 4

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



29210 Kremer Color Paste - Daylight Fluorescent Orange

Page 4

Revised edition: 12.08.2016

Version: 1

Printed: 14.09.2016

location.

Requirements for storage areas and containers:

Keep container tightly closed.

Information on fire and explosion protection:

No special measures necessary.

Storage class (VCI):

Further Information:

7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

Ethane-1,2-diol, CAS 107-21-1: TLV (D) 26 mg/m³; 10 ppm; 2(l); DFG, H, Y

Formaldehyde (CAS 50-00-0); TWA: 0.3 ppm, 0.37 mg/m³; 2 (l)

Parameters to be controlled:

Ethane-1,2-diol, CAS 107-21-1; TWA (GB, 8h): 52 mg/m³; 20 ppm; STEL (GB): 104 mg/m³; 40 ppm

Formaldehyde (CAS 50-00-0); TWA, STEL: GB (EH40): 2 ppm, 2.5 mg/m³; FR (VLEP): 0.5 ppm, 1 ppm; NL (MAC): 0.15 ppm, 0.5 mg/m³

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Ethane-1,2-diol, CAS 107-21-1:

Fresh water: 10 mg/l

Seawater: 1 mg/l

Fresh water sediment: 20.9 mg/kg

Soil: 1.53 mg/kg

Sewage treatment system (STP): 199.5 mg/l

Intermittent release: 10 mg/l

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation/exhaust system.

Personal Protection

General protective measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Required in case of insufficient ventilation.

next page: 5

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



29210 Kremer Color Paste - Daylight Fluorescent Orange

Page 5

Revised edition: 12.08.2016

Version: 1

Printed: 14.09.2016

Recommended: filter FP 3

Hand protection:

Protective gloves (EN 374)

Protective glove material:

The glove material must be sufficiently impermeable and resistant against the product.

Eye protection:

Safety glasses (EN 166)

Body protection:

*Boots.
Protective clothing.*

Environmental precautions:

No special measures required.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

<i>Form:</i>	<i>liquid</i>
<i>Color:</i>	<i>orange</i>
<i>Odor:</i>	<i>odorless</i>
<i>Odor threshold:</i>	<i>No information available.</i>
<i>pH-Value:</i>	<i>8 - 10</i>
<i>Melting temperature:</i>	<i>0°C</i>
<i>Boiling temperature:</i>	<i>100°C</i>
<i>Flash point:</i>	<i>not applicable</i>
<i>Evaporation rate:</i>	<i>not applicable</i>
<i>Flammability (solid, gas):</i>	<i>not applicable</i>
<i>Upper explosion limit:</i>	<i>no information available</i>
<i>Lower explosion limit:</i>	<i>no information available</i>
<i>Vapor pressure:</i>	<i>not applicable</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>not applicable</i>
<i>Solubility in water:</i>	<i>miscible</i>

next page: 6

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



29210 Kremer Color Paste - Daylight Fluorescent Orange

Page 6

Revised edition: 12.08.2016

Version: 1

Printed: 14.09.2016

Coefficient of variation (n-Octanol/Water):

no information available

Auto-ignition temperature:

not applicable

Decomposition temperature:

not applicable

Viscosity, dynamic:

not available

Explosive properties:

not available

Oxidizing properties:

not oxidizing

Bulk density:

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

10. Stability and Reactivity

10.1. Reactivity

Chemically stable.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

Unknown.

10.4. Conditions to Avoid

Conditions to avoid:

Thermal decomposition:

No data available.

10.5. Incompatible Materials

None known.

10.6. Hazardous Decomposition Products

Irritating fumes/vapors.

10.7. Further Information

11. Toxicological Information

next page: 7

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



29210 Kremer Color Paste - Daylight Fluorescent Orange

Page 7

Revised edition: 12.08.2016

Version: 1

Printed: 14.09.2016

11. 1. Information on Toxicological Effects

Acute Toxicity

No information available.

LD50, oral:

LD50, dermal:

LC50, inhalation:

Primary effects

Irritant effect on skin:

No information available

Irritant effect on eyes:

No information available.

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

No information available.

Mutagenicity:

No data available.

Reproductive toxicity:

No data available.

Carcinogenicity:

No data available.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

No data available.

Additional toxicological information:

12. Ecological Information

12. 1. Aquatic Toxicity

Fish toxicity:

No data available.

Daphnia toxicity:

No information available.

Bacteria toxicity:

No data available.

Algae toxicity:

No information available.

12. 2. Persistency and Degradability

No information available.

next page: 8

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



29210 Kremer Color Paste - Daylight Fluorescent Orange

Page 8

Revised edition: 12.08.2016

Version: 1

Printed: 14.09.2016

12.3. Bioaccumulation

No information available.

12.4. Mobility

No information available.

12.5. Results of PBT- und vPvP Assessment

On the basis of available data, the product does not contain and PBT or vPvB in percentage greater than 0.1 %.

12.6. Other Adverse Effects

Water hazard class:

Do not let product contaminate ground water, waterways or sewage system.

Behaviour in sewage systems:

Further ecological effects:

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

Dispose of according to official national and local regulations.

European Waste Code (EWC):

Uncleaned packaging:

Dispose of according to official local regulations.

Waste Code No.:

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA

14.2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR (land transportation).

IMDG/IATA:

No hazardous goods according to IMDG.

14.3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel no.:

IMDG Class (sea):

Hazard no.:

EmS No.:

Material Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



29210 Kremer Color Paste - Daylight Fluorescent Orange

Page 9

Revised edition: 12.08.2016

Version: 1

Printed: 14.09.2016

IATA Class:

not applicable

Hazard no.:

14. 4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14. 5. Environmental Hazards

Not classified as environmentally hazardous.

14. 6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14. 7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

not applicable

14. 8. Further Information

15. Regulatory Information

15. 1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

no information available

Local regulations on chemical accidents:

Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

15. 2. Chemical Safety Assessment

A Chemical Safety Assessment is not necessary for this product.

15. 3. Further Information

All components of this product are listed under the European Inventory of Existing Chemical Substances (EINECS).

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.