29000 Kremer Color Paste - Phthalo Green, PG 7

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

1. 1. Product Identifier

Product Name:	*Kremer Color Paste - Phthalo Green, PG 7*
Article No.:	*29000*
UFI:	*--*

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

Identified uses:
Colorant for industrial use

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.com*
EMail:	*info@kremer-pigmente.com*
Importer:	*--*

1. 4. Emergency No.

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

1. 4. 2 Poison Center:

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.

Possible Environmental Effects:

2. 2. Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)
This product does not require classification and labelling as hazardous according to CLP/GHS.

Hazard designation:
Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

2. 3. Other Hazards

Contains a reaction compound of 5-Chloro-2-methylisothiazolin-3

next page: 2

(2H)-one (EG 247-500-7) and 2-Methylisothiazol-3(2H)-one (EG 220-239-6) (3:1); 1,2-Benzisothiazol-3(2H)-one
EUH208: Can cause allergic reactions.

3. Composition/Information on Ingredients

3. 1. Substance

3. 2. Mixture

Chemical Characterization: *Phthalocyanine copper complex-pigment suspension, containing Pigment Green 7, C.I. 74260*

Information on Components / Hazardous Ingredients:

Poly(oxy-)1,2-ethanediyl), alpha-hydro-omega-hydroxy	1 - 10 %	CAS-Nr: 25322-68-3 EINECS-Nr: 500-038-2 EC-Nr:
Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1) (H301-310-314-317-318-330-400-H410); Spec. conc. limits: H314 >= 0.6%, H315 0.06 - <0.6%, H319 0.06 - <0.6%, H317 >= 0.0015%, H318 >= 0.6%; REACH Reg. No. 01-2120764691-48	0.0002-0.0015 %	CAS-Nr: 55965-84-9 EINECS-Nr: EC-Nr: 613-167-00-5

Additional information:

4. First Aid Measures

4. 1. Description of the First Aid Measures

General information:

Take affected persons out into the fresh air.

After inhalation:

Supply fresh air. Consult physician if symptoms persist.
In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48h.

After skin contact:

Remove contaminated clothing immediately. Wash off immediately with plenty of water and soap.

After eye contact:

Rinse open eye for several minutes under running water. Should irritation continue, seek medical advice.

After ingestion:

Rinse mouth thoroughly with plenty of water and drink plenty of water. Consult a physician.
Rinse mouth with plenty of water and give small sips of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.

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:

No further information available.

5. Fire-Fighting Measures

5. 1. Extinguishing Media

Suitable extinguishing media:

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

Unsuitable extinguishing media:

5. 2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: formation of carbon monoxide, carbon dioxide, nitrogen oxides, halogenated compounds, metal oxides, oxides.

5. 3. Advice for Firefighters

Protective equipment:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basis level of protection for chemical incidents.

Further information:

6. Accidential Release Measures

6. 1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Wear protective clothing.
Do not touch or walk through spilt material.

6. 2. Environmental Precautions

Environmental precautions:

Prevent contamination of soil, drains and surface waters.

6. 3. Methods and Material for Containment and Cleaning Up

Methods and material:

Take up mechanically and collect in suitable containers for disposal.

6. 4. Reference to other Sections

Protective clothing, see Section 8.
See Section 13 for information on disposal.

7. Handling and Storage

7. 1. Precautions for Safe Handling

Instructions on safe handling:

Wear adequate protective clothing (see para. 8).

Hygienic measures:

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.

Take off contaminated clothing immediately. Store working clothing separately.

7. 2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a cool and well ventilated location.

Protect product from direct sunlight.

Requirements for storage areas and containers:

Store the product in the original container.

Open and handle container with care.

Store in correctly labelled containers.

Information on fire and explosion protection:

Do not store together with: foodstuffs and animal feed.

Storage class:

12; Non-combustible liquids (TRGS 510)

Further Information:

7. 3. Specific End Use(s)

Further information:

No information available.

8. Exposure Controls/Personal Protection

8. 1. Parameters to be Controlled

Parameters to be controlled (DE):

No exposure limits available.

Parameters to be controlled:

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

8. 2. Exposure Controls

Technical protective measures:

Facilities storing or utilizing this material should be equipped with an eyewash and shower facility.

Personal Protection

General protective measures:

Avoid contact with eyes and skin.

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.

Respiratory protection:

In case of formation of dust.

Hand protection:

Protective gloves (EN 374)

Protective glove material:

Polypropylene (CR), nitrile rubber (NBR), polyvinyl chloride (PVC). Remove contaminated gloves and discard according to specifications.

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Protective clothing.

Environmental precautions:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and Chemical Properties

9. 1. Information on Basic Physical and Chemical Properties

Form:	*liquid*
Color:	*green*
Odor:	*mild*
Odor threshold:	*no information available*
pH-Value:	*6 - 8 (10 %)*
Melting temperature:	*not available*
Boiling temperature:	*> 100°C (> 212°F)*
Flash point:	*> 100°C (> 212°F)*
Evaporation rate:	*No information available.*
Flammability (solid, gas):	*not available*
Upper explosion limit:	*no information available*
Lower explosion limit:	*no information available*
Vapor pressure:	*not applicable*
Vapor density:	*No information available.*
Density:	*1.36 g/cm3 (20°C)*

Solubility in water:	*dispersible*
Coefficient of variation (n-Octanol/Water):	*no information available*
Auto-ignition temperature:	*No information available.*
Decomposition temperature:	*No data available.*
Viscosity, dynamic:	*< 1000 mPa.s (20°C)*
Explosive properties:	*not available*
Oxidizing properties:	*no information available*
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

No information available.

10.2. Chemical Stability

The product is chemically stable.

10.3. Possibility of Hazardous Reactions

None if handled and stored according to specifications.

10.4. Conditions to Avoid

Conditions to avoid:

No further information available.

Thermal decomposition:

10.5. Imcompatible Materials

Strong acids and strong bases
Strong oxidizing agents.

10.6. Hazardous Decomposition Products

None if stored and handled according to specifications.

10.7. Further Information

11. Toxicological Information

11. 1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008

Acute Toxicity

LD50, oral:

> 2000 mg/kg (rat; OECD 401)

Reaction compound of 5-Chloro-2-methyl-2H-isothiazol-3-one (EC 247-500-7) and 2-Methyl-2H-isothiazol-3-one (EC 220-239-6) (3:1): 100 mg/kg (rat)

Poly(oxy)(methyl-1,2-ethanedyl), alpha-hydro-omega: > 2000 mg/kg (rat, f; OECD 423)

LD50, dermal:

Reaction compound of: 5-Chloro-2-methyl-2H-isothiazol-3-one (EC 247-500-7) and 2-Methyl-2H-isothiazol-3-one (EC 220-239-6) (3:1): 50 mg/kg (rat)

Poly(oxy)(methyl-1,2-ethanedyl), alpha-hydro-omega: > 2000 mg/kg (rat, m/w; OECD 402)

LC50, inhalation:

Reaction compound of: 5-Chloro-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1): 0.31 mg/l (4h, rat)

Poly(oxy)(methyl-1,2-ethanedyl), alpha-hydro-omega: 2515 mg/m3 (6h, rat, f)

Primary effects

Irritant effect on skin:

Non irritating (rabbit)

Reactions compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): causes chemical burns

Poly(oxy)(methyl-1,2-ethanedyl), alpha-hydro-omega: no irritant effect (rabbit; OECD 404)

Irritant effect on eyes:

Non-irritating to eyes (rabbit)

Reaktion compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): risk of severe eye damage.

Poly(oxy)(methyl-1,2-ethanedyl), alpha-hydro-omega: no irritating effect (OECD 405)

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

Non sensitizing (mouse; OECD 429).

Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): may cause sensitization by skin contact (guinea pig; OECD 406)

Sensitizing (OECD 429, Mouse Local Lymph Node Assay (LLNA))

Poly(oxy)(methyl-1,2-ethanedyl), alpha-hydro-omega: no sensitization caused (guinea pig; OECD 406)

Mutagenicity:

next page: 8

In vitro genetic-toxicity:

Ames-Test negative (Salmonella typhimurium; OECD 471)

Ames-Test negative (Escherichia coli; OECD 471)

In vitro genetic toxicity: Mammalian Chromosomal Aberration Test (OECD 473): negative

In vitro genetic-toxicity: micronucleus test: negative (fibroblasts of the chinese hamster; OECD 487)

Poly(oxy)(methyl-1,2-ethandyl), alpha-hydro-omega:

In vitro genetic-toxicity: Ames-Test negative (Salmonella typhimurium; OECD 471)

In vitro genetic toxicity: Mammalian Cell Test (ovaries of the chinese hamster, OECD 476): negative

Reproductive toxicity:

Not classified based on available information.

Poly(oxy)(methyl-1,2-ethanedyl), alpha-hydro-omega:

Effect on fertility:

Did not show any effects on the fertility and the early stage of embryonic development (oral, rat m/f; OECD 421)

Carcinogenicity:

Not classified based on available information.

Teratogenicity:

No relevant data found.

Specific target organ toxicity (STOT):

Single exposure: Not classified based on available information.

Repeated exposure: Not classified based on available information.

Repeated exposure:

Subchronic toxicity, NOAEL: 4600 mg/kg (90d, rat (m/f), oral; OECD 408); NOAEL: 16000 mg/kg (90d, mouse (m/f), oral; OECD 408)

Poly(oxy)(methyl-1,2-ethanedyl), alpha-hydro-omega: NOAEL: 8000 mg/kg, LOAEL: 16000 mg/kg (90d, rat m/f, oral, daily 2000-24000 mg/kg bw/d)

Aspiration hazard:

No information available.

11. 2. Information on other Hazards

Endocrine Disrupting Properties:

This substance/mixture does not contain any components with endocrine disrupting properties in a percentage of 0.1 or greater, according to Article 57(f) of the REACH Regulation (EC) No. 1907/2006 or the Delegated Regulation (EC) 2017/2100 or the Delegated Regulaton (EC) 2018/605.

12. Ecological Information

12. 1. Aquatic Toxicity

Fish toxicity:

LC50: 355.6 mg/l (96h, Oncorhynchus mykiss; OECD 203)

Reaction mass of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): LC50: 0.58 mg/l (96h, Danio rerio)

next page: 9

Poly(oxy)(methyl-1,2-ethanedyl), alpha-hydro-omega: LC50: > 100 mg/l (96h, Poecilia reticulata; OECD 203)

Daphnia toxicity:

LC50: > 500 mg/l (48h, Daphnia magna)

NOEC: > 1 mg/l (21d, Daphnia magna; OECD 211)

Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): EC50: 1.02 mg/l (48h, Daphnia magna)

Poly(oxy)(methyl-1,2-ethandyl), alpha-hydro-omega: EC50: > 100 mg/l (Daphnia magna; OECD 202)

Bacteria toxicity:

EC50: > 10000 mg/l (0.5h, Pseudomonas putida)

Algae toxicity:

ErC50: > 100 mg/l (72h, Desmodesmus subspicatus; OECD 201)

EC10: > 100 mg/l (72h, Desmodesmus subspicatus; OECD 201)

Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): EC50: 0.379 mg/l (72h, Pseudokirchneriella subcapitata); EC10: 0.188 mg/l (72h, Pseudokirchneriella subcapitata; OECD 201)

Poly(oxy)(methyl-1,2-ethanedyl), alpha-hydro-omega: ErC50: > 100 mg/l (Desmodesmus subspicatus); NOEC: 56,02 mg/l (Desmodesmus subspicatus)

12. 2. Persistency and Degradability

Not readily biodegradable (< 1 %, 28d, 107 mg/l, active sludge; OECD 301F)

Reaction mass of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): Not readily biodegradable.

Poly(oxy)(methyl-1,2-ethanedyl), alpha-hydro-omega: > 70 %; readily biodegradable (28d, active sludge; OECD 301D)

12. 3. Bioaccumulation

Poly(oxy)(methyl-1,2-ethanedyl), alpha-hydro-omega: log Pow: 2.29

12. 4. Mobility

No information available.

12. 5. Results of PBT- und vPvP Assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1 % or higher.

12. 6. Endocrine Disrupting Properties

This substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delgated Regulation (EU) No. 2017/2100 or Commission Regulaton (EU) 2018/605 at levels of 0.1 % or higher.

12. 7. Other Adverse Effects

Water hazard class:

1, slightly hazardous

Behaviour in sewage systems:

Further ecological effects:

AOX Value:

Product contains organically bound halogen.

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

Disposal should be avoided or minimized.
If possible reuse product.
Dispose of product residues according to the waste disposal guidelines 2008/98/EC as well as according to official national and local regulations.

European Waste Code (EWC):

Uncleaned packaging:

Contaminated packaging must be treated like the substance.

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 / DOT (US) (land transportation).

IMDG/IATA:

Not hazardous goods

14. 3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

not applicable

Hazard no.:

EmS No.:

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. Maritime Transport in Bulk according to IMO Instruments

not applicable

14. 8. Further Information

Do not store together with foodstuffs.
Not classified as a dangerous good under transport regulations.

15. Regulatory Information

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

Water hazard class:

1, slightly hazardous for water (according to the German Regulation AwSV)

Local regulations on chemical accidents:

Seveso III Directive: not applicable under Directive 2012/18/EC.

Employment restrictions:

Restriction and prohibition of application:

EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: not applicable

Technical instructions on air quality:

15. 2. Chemical Safety Assessment

A Chemical Safety Assessment is not necessary for this product.

15. 3. Further Information

EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable
Regulation (EC) 1005/2009 - Substances that Deplete the Ozone Layer: not regulated / not applicable
Regulation (EU) 2019/1021 - Persistent organic pollutants: not regulated / not applicable
Regulation (EC) 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors: not forbidden and/or not restricted
Regulation (EC) 649/2012 concerning the export and import of dangerous chemicals: Not applicable

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.