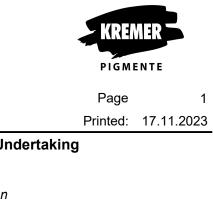
Revised edition: 12.02.2023

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



### 56500 Phosphorescent Pigment Green

#### 1. Identification of the Substance/Mixture and of the Company/Undertaking 1.1. **Product Identifier** Product Name: Phosphorescent Pigment Green Article No.: 56500 UFI: --1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against Identified uses: Mapping of thermoplastics (industrial use) Use of coatings, paints and inks (industrial, professional and consumer use). Calendering / extrusion, industrial spraying, Masterbatch additive (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** Classification of the Substance or Mixture 2.1. 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: See Section 12. 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:

Version: 10

According to regulation (EC) No. 1907/2006 (REACH)				KREMER		
56500 Phosphorescent		gment Green		PIGMENTE	PIGMENTE	
				Page	2	
Revised	edition: 12.02.2023	Ve	rsion: 10	Printed: 17.	11.202	
<b>1</b> 2	Hazardous components for labelling: Other Hazards					
2.3.		radiante				
3.	Composition/Information on Ing Substance	realents	5			
3. 1. 3. 2.	Mixture					
<b>J. Z.</b>						
	Chemical Characterization:					
	Information on Components / Hazardo Ingredients:	us				
	Zinc sulfide (ZnS), Copper chloride-do		100 %	CAS-Nr: 68611-70-1		
	REACH Reg. No. 01-2119978290-33-	0000		EINECS-Nr: 271-904-2		
				EC-Nr:		
	Additional information:					
4.	First Aid Measures					
4. 1.	Description of the First Aid Measures					
	General information:					
		Remo	ove contaminated	clothes immediately.		
	After inhalation:					
			ove victim to fresh ortable for breathii	air and keep at rest in a position		
			artificial respiratio	n in case breathing is not regular or	if it ha	
				onsult a physician.		
	After skin contact:					
			n off with plenty of ion persists.	water and soap. Consult a physicia	n if	
	After eye contact:					
			ove contact lens. F Consult physician	Rinse open eyes with plenty of wate	r (10-1	
	After ingestion:					
			ot induce vomiting			
				mouth to an unconscious person.		
4. 2.	Most important Symptoms and Effects, bot	h Acute an	nd Delayed			
	Symptoms:			mutama av affaata baya baan abaar	d	
		NO ac	cute or delayed sy	mptoms or effects have been obser	vea.	
	Effects:	No fu	rther information a	availahle		
4. 3.	Indication of any Immediate Medical Attenti					
	Treatment:					
		Neve	r give anvthina bv	mouth to an unconscious person.		

56500

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

Phosphorescent Pigment Green



#### Page 3 Revised edition: 12.02.2023 Version: 10 Printed: 17.11.2023 Suitable extinguishing media: Use extinguishing media for surrounding fire. Unsuitable extinguishing media: Water with full jet. 5. 2. Special Hazards arising from the Substance or Mixture Special hazards: Product is not flammable. When heated or in case of fire: formation of hazard fumes. In case of fire: formation of sulfuric acids and hydrogen sulfide. 5.3. Advice for Firefighters Protective equipment: Wear self-contained respiratory protective device. Further information: Contaminated extinguishing water and debris should be disposed of according to local regulations. Cool exposed containers with water spray. 6. **Accidential Release Measures** 6.1. Personal Precautions, Protective Equipment and Emergency Procedures Personal precautions: Avoid inhalation of dust. Ensure adequate ventilation. 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. Avoid dust formation. 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: Avoid contact with eyes, skin and clothing. Avoid formation of dust. Hygienic measures: Do not eat or drink during work. Do not smoke. Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work. 7.2. Conditions for Safe Storage, including any Incompatibilities

#### Storage conditions:

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

## 56500 Phosphorescent Pigment Green



Povico	d edition: 12.02.2023	Version: 10	Page 4 Printed: 17.11.2023
		location.	Pfinted. 17.11.2023
		Do not store together with food	stuff and animal feed.
	Requirements for storage areas and	Ū	
	containers:		
		Store the product in the origina	l container.
	Information on fire and explosion		
	protection:	Keep away from sources of he	at and ignition - do not smoke.
	Storage class:		-
	Further Information:		
		Recommended storage temper	rature: 5 - 35°C
7. 3.	Specific End Use(s)		
	Further information:		
		No further information available	<i>).</i>
8.	Exposure Controls/Personal Prot	tection	
8. 1.	Parameters to be Controlled		
	Parameters to be controlled (DE):		
		none known	
	Parameters to be controlled:		
	Derived No-Effect Level (DNEL):		
		5 mg/m3 (worker, inhalation, lo effects)	ng-term exposure - systemic
		0.83 mg/kg bw/day (consumer, systemic effects)	swallowing, long-term exposure -
		systemic effects)	n contakt, long-term exposure -
		2.5 mg/kg (consumer, inhalatio effects)	n, long-term exposure - systemic
	Predicted No-Effect Concentration (PNEC):		
		Fresh water: 20.6 μg/l	
		Fresh water sediment: 117.8 m	ig/kg
		Seawater: 6.1 µg/l Seawater sediment: 56.5 mg/k	a
		Soil: 35.6 mg/kg	3
		Sewage treatment system (ST	P): 52 μg/l
	Additional Information:		
		Biological limits: no limit values product.	available for the ingredients of this
8. 2.	Exposure Controls		
	Technical protective measures:		
		Adequate ventilation.	
	Personal Protection		
	General protective measures:		novt pago: 5
			next page: 5

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



5

Page

#### **Phosphorescent Pigment Green** 56500

Revise	d edition: 12.02.2023	Version: 10	Printed: 17.11.2023	
		The usual precautionary meas handling chemicals.	sures are to be adhered to when	
		Do not inhale dust. Do not eau Wash hands before breaks ar	t, drink or smoke while working. nd at the end of work.	
	Respiratory protection:			
		Dust mask recommended whe	en very dusty: with particle filter P2.	
	Hand protection:			
		resistant to the product / subs	material has to be impermeable and tance / preparation.	
	Protective glove material:			
		Polyvinyl chloride (> 480 min,	0.35 mm)	
	Eye protection:		chickle (EN 400)	
		Safety glasses with protective	: SHIEIUS (EN 100).	
	Body protection:	Protective clothing.		
		Safety shoes (EN-ISO 13287,	. EN 20347)	
	Environmental precautions:			
9.	Physical and Chemical Prop	erties		
9. 1.	Information on Basic Physical and Chemical Properties			
	Form:	powder		
	Color:	yellowish-green		
	Odor:	odorless		
	Odor threshold:			
		no information available		
	pH-Value:			
		not applicable		
	Melting temperature:	> 401.5°C (OECD 102)		
	Boiling temperature:			
		not applicable		
	Flash point:	not florence blo		
	<b>–</b> <i>11 1</i>	not flammable		
	Evaporation rate:	not applicable		
	Flammability (solid, gas):			
	i anniaonity (sona, gas).	not flammable		
	Upper explosion limit:			
		not determined		
	Lower explosion limit:			
		not determined		

Vapor pressure:

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

## 56500 Phosphorescent Pigment Green



Revise	d edition: 12.02.2023	Version: 10	Page 6 Printed: 17.11.2023
	Vapor density:		
		No information available.	
	Density:	1.78 g/cm3 (20°C)	
	Solubility in water:	< 0.1 mg/l (OECD 105)	
	Coefficient of variation (n- Octanol/Water):		
		not determined	
	Auto-ignition temperature:	No relative auto-ignition temperat Method)	ure below 400°C (EU A.16
	Decomposition temperature:	No data available.	
	Viscosity, dynamic:		
		not applicable	
	Explosive properties:		
		Product does not present an expl	osion hazard.
	Oxidizing properties:	No oxidizing properties	
	Bulk density:	No oxidizing properties	
	Buik density.	not determined	
9. 2.	Further Information		
	Solubility in solvents:		
	Viscosity, kinematic:		
	Burning class:		
	Solvent content:		
	Solid content:		
	Particle size:		
	Other information:		
		Ignition temperature: > 400°C	
10.	Stability and Reactivity		
10.1.	Reactivity		·· ,.
10.0	Chamiaal Stability	Stable if used according to specifi	ications.
10.2.	Chemical Stability	Stable if used according to specifi	ications.
10.3.	Possibility of Hazardous Reactions		
		Reacts with acids: development o	of hydrogen sulfide.
10.4.	Conditions to Avoid		
	Conditions to avoid:	Avoid temperatures above 800°C	

Thermal decomposition:

56500

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

## Phosphorescent Pigment Green



Page 7 Revised edition: 12.02.2023 Version: 10 Printed: 17.11.2023 Avoid heat. 10.5. **Imcompatible Materials** Keep away from acids. 10.6. **Hazardous Decomposition Products** Sulphur oxides (SOx). Hydrogen sulfide gas. 10.7. **Further Information** 11. **Toxicological Information** 11.1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008 Acute Toxicity Repeated or prolonged contact with the product may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin. If splashed in the eyes, the liquid may cause irritation and reversible damage. Zinc Sulfid (ZnS), Copper chloride-doped (68611-70-1): LD50, oral: > 2000 mg/kg (rat) LD50, dermal: > 2000 mg/kg (rat) LC50, inhalation: 5.41 mg/m3 (rat) Primary effects Irritant effect on skin: Non irritating Irritant effect on eyes: Non-irritating to eyes Inhalation: No information available. Ingestion: No information available Sensitization: No sensitizing effects known. Mutagenicity: Not mutagenic. Reproductive toxicity: No relevant data found. Carcinogenicity: No relevant data found. Teratogenicity: No information available. Specific target organ toxicity (STOT): Repeated exposure: Not classified based on available information. Single exposure: Not classified based on available information.

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

# KREMER

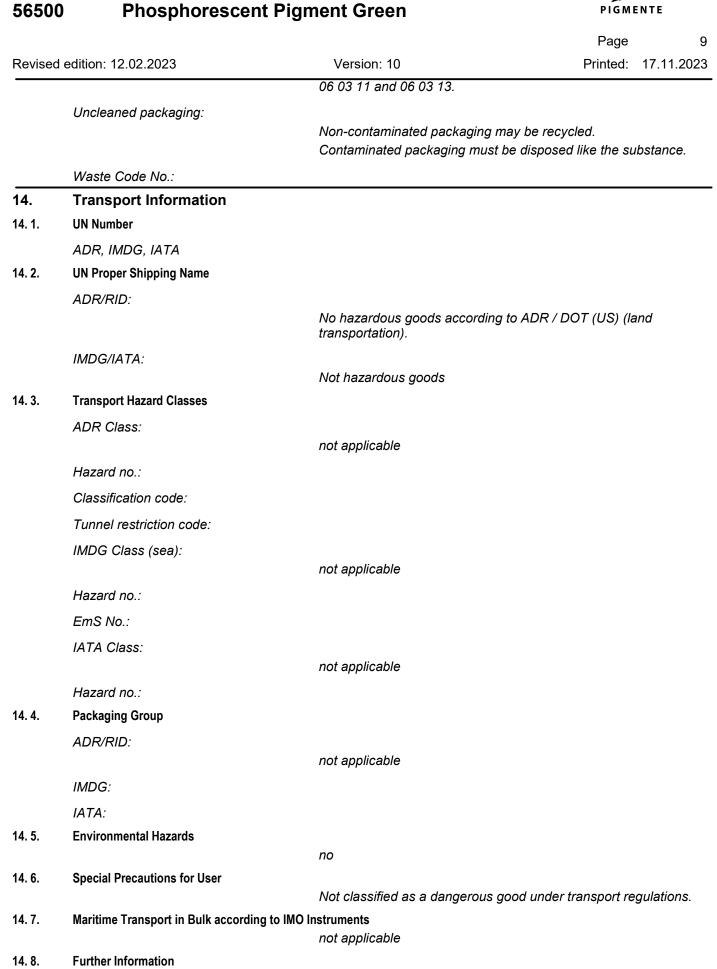
## 56500 Phosphorescent Pigment Green

Page

8

Revised	d edition: 12.02.2023	Version: 10	Printed: 17.11.2023
	Aspiration hazard:		
		No risk of aspiration.	
11. 2.	Information on other Hazards	No further information available	
12.	Ecological Information		
12.1.	Aquatic Toxicity		
12. 1.			
	Fish toxicity:	Zinc sulfide (ZnS), Copper chlo fish)	ride-doped: LD50: > 0.25 mg/l (96h
	Daphnia toxicity:		
		Zinc sulfide (ZnS), Copper chlo (48h, invertebrates)	ride-doped: LD50: LC50: > 29 μg/l
	Bacteria toxicity:		
		No data available.	
	Algae toxicity:	Zinc sulfide (ZnS), Copper chlo algae)	ride-doped: EC50: > 13 μg/l (72h,
12. 2.	Persistency and Degradability		
		No information available.	
12. 3.	Bioaccumulation		
40.4		No information available.	
12. 4.	Mobility	No information available.	
12. 5.	Results of PBT- und vPvP Assessment		
		This product is neither a PBT o contain a PBT or vPvB substan	
12. 6.	Endocrine Disrupting Properties		
		This product does not contain of endocrine disrupting properties	components considered to have
12. 7.	Other Adverse Effects		
	Water hazard class:		
		Do not let product contaminate sewage system.	ground water, waterways or
	Behaviour in sewage systems:		
	Further ecological effects:		
		No ecological data available.	
	AOX Value:		
13.	Disposal Considerations		
13. 1.	Waste Treatment Methods		
	Product:		
		Dispose of according to official	national and local regulations.
	European Waste Code (EWC):	060314 - Solid salts and solutio	ons other than those mentioned in next page: 9

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





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

50500	Phospholescent Fightent Green		I IGMENTE	
			Page	10
Revised	edition: 12.02.2023	Version: 10	Printed:	17.11.2023
15.	Regulatory Information			
15. 1.	Safety, Health and Environmental Regulations	/Legislation specific for the Substance or Mixtu	re	
	Water hazard class:	2, hazardous for water (German Regulation	on)	
	Local regulations on chemical accidents:	Seveso III Directive: not applicable under	Directive 20	12/18/EC.
	Employment restrictions:			
	Restriction and prohibition of application:	Not applicable.		
	Technical instructions on air quality:			
15. 2.	Chemical Safety Assessment	A Ohamiaal Oafata Aaaaaanaat kaa aat k		4 f 4h : -
		A Chemical Safety Assessment has not b product.	een carried (	out for this
15. 3.	Further Information			
		Regulation (EC) 1005/2009 - Substances Layer: not regulated / not applicable	that Deplete	the Ozone
		Regulation (EC) 649/2012 concerning the dangerous chemicals: Not applicable	export and	import of
16.	Other Information			
		This product should be stored, handled an with good hygiene practices and in confor regulations. This information contained he present state of knowledge and is intended from the point of view of safety requirement therefore not be construed as guaranteein	rmity with angerein is based and to describe ants. It should	y legal d on the e our product d be

# 56500 Phosphorescent Pigment Green

