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

48806 Magnetite, coarse



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1.	Identification of the Substance/Mi	xture and of the Company/Undertak	ing	
1. 1.	Product Identifier			
	Product Name:	Magnetite, coarse		
	Article No.:	48806		
1. 2.	Relevant identified Uses of the Substance or	Mixture and Uses advised against		
	Identified uses:	Technical application		
	Uses advised against:			
1. 3.	Details of the Supplier of the Safety Data She	et (Producer/Importer)		
	Company:	Kremer Pigmente GmbH & Co. KG		
	Address:	Hauptstr. 41-47, 88317 Aichstetten, Ger	many	
	Tel./Fax.:	Tel +49 7565 914480, Fax +49 7565 160)6	
	Internet:	www.kremer-pigmente.de		
	EMail:	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 classificati hazardous according to CLP/GHS.	on and labelli	ing as
	Classification according to Directive No. 67/548/EC or No. 1999/45/EC	The material is not subject to classification	on according	to EC lists.
	Safety Phrases:			
	Possible Environmental Effects:			
2. 2.	Label Elements			
	Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)			
	Hazard designation:			
	Signal word:			
	Hazard designation:			
	Safety designation:			
	Hazardous components for labelling:			
2. 3.	Other Hazards			

After eye contact: can cause slight irritation. After skin contact: can cause slight irritation. After skin contact: long-term contact can cause irritation.

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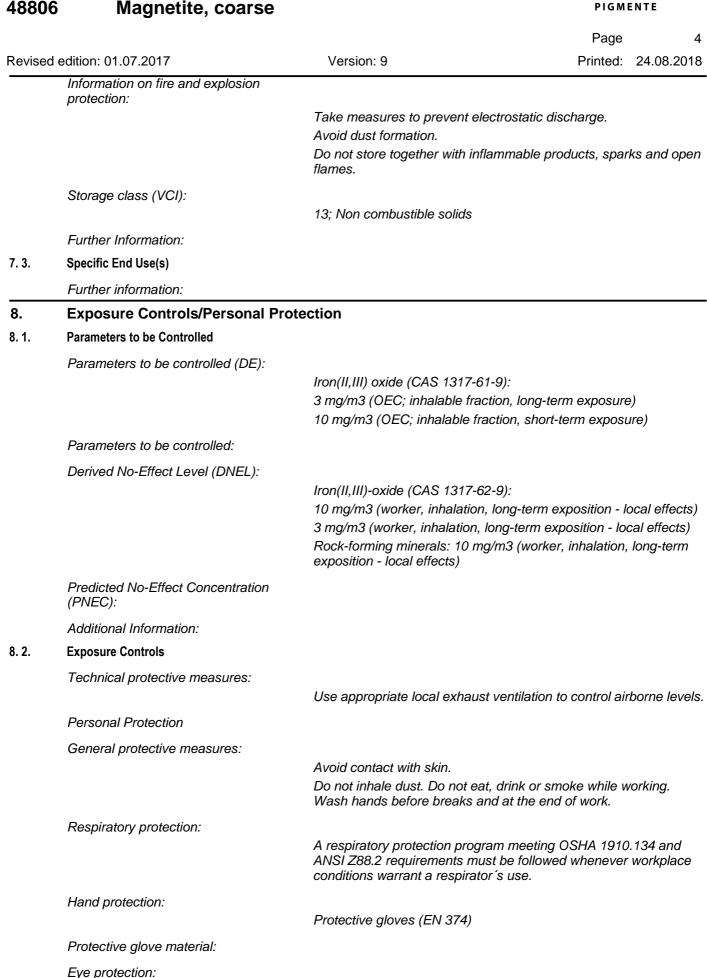
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3.	Composition/Information on Ingre	dients			
3. 1.	Substance				
3. 2.	Mixture				
	Chemical Characterization:	Natural iron o	oxide, Magnetite	, Fe3O4	
	Information on Components / Hazardous Ingredients:	5			
	Triiron tetraoxide (Fe3O4), Pigment Blac 11.77499; REACH Reg. No. 01-2119457 0008		88 - 99.2 %	CAS-Nr: 1317-61-9 EINECS-Nr: 215-277-5 EC-Nr:	
	Rock-forming minerals		0.8 - 12 %	CAS-Nr: 9999999-99-4 EINECS-Nr: 310-127-6 EC-Nr:	
	Additional information:	Exempted fro 7)	om the mandato	ry REACH Registration (A	nnex V No.
4.	First Aid Measures				
4. 1.	Description of the First Aid Measures				
	General information:				
		Seek medica	l attention in cas	se of complaints.	
	After inhalation:	Supply fresh	air.		
	After skin contact:				
		Wash off with irritation pers		and soap. Consult a phys	sician if
	After eye contact:				
		Consult phys	sician.	of water for at least 15 mi	nutes.
		Remove con	tact iens.		
	After ingestion:	drink and rins	se mouth thorou	• •	of water to
			persist consult p	ohysician.	
4. 2.	Most important Symptoms and Effects, both A	Acute and Delaye	ed		
	Symptoms:		fa	- I-	
		NO further ini	formation availal	DIE.	
	Effects:				
4. 3.	Indication of any Immediate Medical Attention	n and special Tre	atment needed		
	Treatment:	No further in	formation availal	blo	
5.	Fire-Fighting Measures		ormation availat	<i>ງ</i> ເ ບ .	
	Fire-Fighting Measures				
5. 1.	Extinguishing Media				

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48806 Magnetite, coarse PIGMENTE Page 3 Revised edition: 01.07.2017 Version: 9 Printed: 24.08.2018 Suitable extinguishing media: Product itself does not burn. All extinguishing agents suitable. Unsuitable extinguishing media: 5.2. Special Hazards arising from the Substance or Mixture Special hazards: Product is not flammable. 5.3. Advice for Firefighters Protective equipment: Wear self-contained respiratory protective device and full protective gear. Further information: 6. **Accidential Release Measures** 6.1. Personal Precautions, Protective Equipment and Emergency Procedures Personal precautions: Wear appropriate protective equipment. Keep spectators away. Do not inhale dust. Avoid contact with skin. 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** Dispose of contaminated material according to Section 13. 7. Handling and Storage 7.1. **Precautions for Safe Handling** Instructions on safe handling: Provide good ventilation and/or exhaust at the workplace. Ensure adequate ventilation. Handle and open container with care. Hygienic measures: 7.2. Conditions for Safe Storage, including any Incompatibilities Storage conditions: Store in tightly sealed containers in a dry room. Protect against heat, ignition sources and direct sunlight. Requirements for storage areas and containers: Keep container tightly closed. Close open containers with care to avoid quality impairments by humidity. next page: 4

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		Safety glasses with protective shi	əlds (EN 166).			
	Body protection:					
	Environmental precautions:					
9.	Physical and Chemical Prope	erties				
9. 1.	Information on Basic Physical and Chemical Properties					
	Form:	powder				
	Color:	black metallic				
	Odor:	odorless				
	Odor threshold:					
	pH-Value:	6 - 8 (50 g/l H2O)				
	Melting temperature:	> 1500°C				
	Boiling temperature:					
		not applicable				
	Flash point:					
		not combustible				
	Evaporation rate:	not applicable				
	Flammability (solid, gas):					
		non-combustible				
	Upper explosion limit:					
		no information available				
	Lower explosion limit:					
		no information available				
	Vapor pressure:	not applicable				
	Vapor density:					
	Density:	5.2 g/cm3				
	-	-				
	Solubility in water:	insoluble				
	Coefficient of variation (n- Octanol/Water):					
		not applicable				
	Auto-ignition temperature:					
		not applicable				
	Decomposition temperature:	not applicable				
	Viscosity, dynamic:					
	viscosity, dynaniic.	not applicable				

Explosive properties:

Product does not present an explosion hazard.

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	Oxidizing properties:		
		not oxidizing	
	Bulk density:	2.5 - 3.5 g/cm3	
9. 2.	Further Information		
	Solubility in solvents:		
		Soluble in strong acids.	
	Viscosity, kinematic		
	Burning class:		
	Solvent content:		
	Solid content:		
	Particle size:		
	Other information:		
10.	Stability and Reactivity		
10.1.	Reactivity		<i>a i</i>
10.2	Chamical Stability	Oxidation to Fe2O3. The reaction is	exothermic.
10.2.	Chemical Stability	Stable if used according to specificate	ations.
10.3.	Possibility of Hazardous Reactions		
		No information available.	
10.4.	Conditions to Avoid		
	Conditions to avoid:		
	Thermal decomposition:		
		Product is instable above 300°C an additional heat. Do not store near so	
10.5.	Imcompatible Materials		
		No information available.	
10.6.	Hazardous Decomposition Products		na ta anacilizationa
10.7.	Further Information	None if stored and handled accordin	ng to specifications.
11.	Toxicological Information		
11. 1.	Information on Toxicological Effects		
		No information available.	
	Acute Toxicity		
	LD50, oral:	> 5000 mg/kg (rat)	
	LD50, dermal:		
		No information available.	
	LC50, inhalation:		
		No information available.	

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	Irritant effect on skin:		
		Non irritating	
	Irritant effect on eyes:		
		Non-irritating to eyes Particles can cause mechanical irritation.	
		r anicles can cause mechanical imitation.	
	Inhalation:	No irritant effect known.	
	Ingestion:		
	ingestion.	No irritant effect known.	
	Sensitization:		
	Concluzation	Non sensitizing (guinea pig; OECD 406).	
	Mutagenicity:		
		Not mutagenic (Ames Test; Salmonella ty	phimurium: negative)
	Reproductive toxicity:		
		No relevant data found.	
	Carcinogenicity:		
		Iron oxides are currently determined as no substances according to IARC (Internation on Cancer). Magnetite, Fe3O4, is not liste Monograph, Vol. 1-102.	nal Agency for Research
	Teratogenicity:		
		No information available.	
	Specific target organ toxicity (STOT):		
		No relevant data found.	
	Additional toxicological information:		
12.	Ecological Information		
12. 1.	Aquatic Toxicity		
	Fish toxicity:		
		LC0: > 10000 mg/l (96h, Danio rerio)	
	Daphnia toxicity:		
		EC0: > 10000 mg/l (48h, Daphnia magna)	1
	Bacteria toxicity:		
		EC50: > 1000 mg/l (Pseudomonas fluores	cens)
	Algae toxicity:		
		No information available.	
12. 2.	Persistency and Degradability	Very insoluble product and can thus be re mechanically in suitable effluent treatment	
12. 3.	Bioaccumulation		
		No bioaccumulation.	
12. 4.	Mobility		
		No information available.	

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12. 5. Results of PBT- und vPvP Assessment				
		This product is neither a PBT or vP contain a PBT or vP	vB substance nor de	oes it
12. 6.	Other Adverse Effects			
	Water hazard class:			
		Not hazardous.		
	Behaviour in sewage systems:			
	Further ecological effects:			
		No special effects or hazards know	า.	
	AOX Value:			
13.	Disposal Considerations			
13. 1.	Waste Treatment Methods			
	Product:			
		If possible reuse product. Product can be taken to a waste dis	sposal site accordin	a to local
		regulations.		gite lecal
	European Waste Code (EWC):			
	Uncleaned packaging:			
		Uncontaminated packaging may be packaging can be disposed of with		ely empty
	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 A	DR (land transport	ation).
	IMDG/IATA:	N		
44 2	Transport Harved Classes	No hazardous goods according to l	MDG.	
14. 3.	Transport Hazard Classes			
	ADR Class:	not applicable		
	Hazard no.:	net apprease		
	Classification code:			
	Tunnel restriction code:			
	IMDG Class (sea):			
	Hazard no.:			
	EmS No.:			
	IATA Class:			

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	Hazard no.:		
14. 4.	Packaging Group		
	ADR/RID:		
		not applicable	
	IMDG:		
	IATA:		
14. 5.	Environmental Hazards		
44 G	Special Dressutions for Lloss	Not classified as environmentally haz	zardous.
14. 6.	Special Precautions for User	Not classified as a dangerous good ι	under transport regulations.
14. 7.	Transportation in Bulk according to Annex II of	0 0	
		not applicable	
14. 8.	Further Information		
15.	Regulatory Information		
15. 1.	Safety, Health and Environmental Regulations	/Legislation specific for the Substance or N	lixture
	Water hazard class:		
		0, not hazardous (German Regulatio	n, Assessment by list)
	Local regulations on chemical accidents:		
	Employment restrictions:		
	Restriction and prohibition of application:		
	Technical instructions on air quality:		
15. 2.	Chemical Safety Assessment		
		Exempted from the mandatory REAC 7)	CH Registration (Annex V No.
		EC SVHC-List: This product does no candidate list for substances of very Regulation (EC) 1907/2006, Article 5	high concern (REACH
15. 3.	Further Information		
		Regulation (EC) 2037/2000 - Substan Layer: not regulated / not applicable	nces that Deplete the Ozone
		RoHS Compliance: The products cor 2002/95/EC and does not contain an	
		Listed in the following inventories:	
		EINECS (EU), TSCA (US), AICS (AL (JP), KECI (KR), NZIOC (NZ), PICCS (MX), Swiss Code (G-8310)	
16.	Other Information		
		This product should be stored, handl with good hygiene practices and in corregulations. This information contained present state of knowledge and is int from the point of view of safety require therefore not be construed as guarant	onformity with any legal ed herein is based on the ended to describe our product rements. It should be