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

#### Vermilion 42000



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1.	Identification of the Sul	bstance/Mi	ixture and of the Company/Undertaki	ng			
1. 1.	Product Identifier						
	Product Name:		Vermilion				
	Article No.:		42000				
1. 2.	Relevant identified Uses of the	Substance or	Mixture and Uses advised against				
	Identified uses:		Laboratory chemicals, manufacture of sul	bstances			
	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, Germ	nany			
	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 EC Regulation 1272/2008						
		H317	<i>Skin sensitization, hazard category 1</i> May cause an allergic skin reaction.				
		Cat.: 1	way cause an allergic skin reaction.				
	Classification according to I Regulation No. 67/548 or N						
		R31	Contact with acids liberates toxic gas.				
	Irritating (Xi)	R43	May cause sensitization by skin contact.				
	Safety Phrases:						
	Possible Environmental Effe	ects:					
2. 2.	Label Elements						
	Classification according to l Regulation 1272/2008	EC					
	Hazard designation:						



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	Hazard designation	и. H317	May cause ar	allergic skin	reaction.			
		EUH031	Contact with a	-				
	Safety designation				-			
	P280 Wear protective gloves/ clothing/ eye/			othing/ eye/ face protection.				
		P333+P313	If skin irritation or rash occurs: Get medical attention.					
	Hazardous compo	nents for labelling:						
2. 3.	, Other Hazards	5						
3.	Composition/Inf	formation on Ingred	dients					
3. 1.	Substance	-						
3. 2.	Mixture							
	Chemical Characterization:		Artificial mineral pigment, based on mercuric sulphide. Pigment Red 106, C.I. 77766					
	Hazardous Ingredi	ents:						
	Mercury(II) sulfide	(Xi; R31-43; H317-EUI	H031)	100 %	CAS-Nr: 1344-48-5			
					EINECS-Nr: 215-696-3			
					EC-Nr:			
	Additional informat	tion:						
			Exempted fro	m the manda	tory REACH Registration.			
4.	First Aid Measu	res						
4. 1.	Description of the First Aid Measures							
	General informatio	n:						
			Consult phys	ician.				
	After inhalation:							
			Take affected					
			If breathing ceases, apply artificial respiration or oxygen. Seek medical advice immediately.					
			Seek medical	auvice imme	dialely.			
	After skin contact:		Wash off with irritation persi		ter and soap. Consult a phy	vsician if		
	After eye contact:							
	,		Rinse eyes w	ith water.				
	After ingestion:							
			Never give ar	nything by mo	uth to an unconscious pers	son.		
		Rinse mouth	with plenty of	water and consult physicia	n.			
4. 2.	Most important Symptoms and Effects, both Acute and Delayed							
	Symptoms:							
		· · · · ·			No further information available.			
	Effects:							
4. 3.		nediate Medical Attention	and special Trea	tment needed				
	Treatment:							

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5.	Fire-Fighting Measures						
5. 1.	Extinguishing Media						
0. 1.	Suitable extinguishing media:						
		Extinguishing powder.					
	Unsuitable extinguishing media:						
5. 2.	Special Hazards arising from the Substa	nce or Mixture					
	Special hazards:						
		In case of fire: formation of sulfur ox	ides, mercury oxi	ides.			
5. 3.	Advice for Firefighters						
	Protective equipment:						
		Wear self-contained respiratory prot	ective device.				
	Further information:						
6.	Accidential Release Measures						
6. 1.	Personal Precautions, Protective Equipment and Emergency Procedures						
	Personal precautions:						
		Avoid contact with skin, eyes and clo Avoid formation of dust.	othing. Do not ing	est or inhale			
		Wear protective clothing.					
6. 2.	Environmental Precautions						
	Environmental precautions:						
		Prevent contamination of soil, drains	s and surface wat	ers.			
6. 3.	Methods and Material for Containment and Cleaning Up						
	Methods and material:						
		Take up mechanically and collect in disposal. Avoid dust formation.	suitable containe	ers for			
		Do not rinse with water.					
6. 4.	Reference to other Sections						
		See Section 13 for information on di	sposal.				
7.	Handling and Storage						
7. 1.	Precautions for Safe Handling						
	Instructions on safe handling:						
		Avoid contact with eyes and skin. Avoid formation and deposition of du	ist Provide adea	uato			
		ventilation.	isi. Frovide adeq	uale			
	Hygienic measures:						
	-	Do not eat or drink during work. Do	not smoke.				
7. 2.	Conditions for Safe Storage, including a	ny Incompatibilities					
	Storage conditions:						
		Store in tightly sealed containers in a	•				

Protect from direct exposure to light.

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Environmental precautions:

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		Avoid any contact with water during	g storage.
	Requirements for storage areas and containers:		
	Information on fire and explosion protection:		
	Storage class (VCI):		
		13; Non combustible solids	
	Further Information:	Do not store together with: acids.	
7. 3.	Specific End Use(s)		
	Further information:		
8.	Exposure Controls/Personal Prot	tection	
8. 1.	Parameters to be Controlled		
	Parameters to be controlled (DE):		
		Mercury(II) sulfide (CAS 1344-48-5	i): 0.02 mg/m3 (TRGS 900)
	Parameters to be controlled (EC):		
	Derived No-Effect Level (DNEL):		
	Predicted No-Effect Concentration (PNEC):		
	Additional Information:		
		Biological limit value: Mercury(II) sulfide (1344-48-5): 25 903)	μg/g creatinine (urine; TRGS
8. 2.	Exposure Controls	,	
	Technical protective measures:		
		Provide adequate ventilation.	
	Personal Protection		
	General protective measures:		
		Remove contaminated clothing. Wash hands after work.	
		Keep away from foodstuffs, bevera	ges and feed.
	Respiratory protection:	Dust mask recommended when ve (US) or P3 (EC EN 143).	ry dusty: with particle filter N1
	Hand protection:		
		Protective gloves (EN 374)	
	Protective glove material:		
	Eye protection:		
		Safety glasses (EN 166)	
	Body protection:		
		Protective clothing, chemical resist	ant.
	Environmental pressutions:		

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Revised edition: 27.05.2015 Printed: 09.06.2015 Version: 1 Do not allow entering sewerage system. 9. **Physical and Chemical Properties** 9.1. Information on Basic Physical and Chemical Properties Form: powder Color: red Odor: odorless Odor threshold: No information available. pH-Value: not available Melting temperature: 583.5℃ (lit.) Boiling temperature: 584°C (1013 hPa) Flash point: not applicable Evaporation rate: No information available. Flammability (solid, gas): non-combustible Upper explosion limit: no information available Lower explosion limit: no information available Vapor pressure: not applicable Vapor density: No information available. 8.1 g/cm3 (20°C) Density: Solubility in water: insoluble Coefficient of variation (n-Octanol/Water): no information available Auto-ignition temperature: No information available. Decomposition temperature: No data available. Viscosity, dynamic: not applicable Explosive properties: not available

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Page 6 Revised edition: 27.05.2015 Printed: 09.06.2015 Version: 1 Oxidizing properties: No information available. Bulk density: 1.07 g/l 9.2. **Further Information** Solubility in solvents: Viscosity, kinematic Burning class: Solvent content: Solid content: Particle size: Other information: No further information. 10. **Stability and Reactivity** 10.1. Reactivity Develops toxic gases upon contact with acids. 10.2. **Chemical Stability** Stable if used according to specifications. 10.3. **Possibility of Hazardous Reactions** No information available. 10.4. **Conditions to Avoid** Conditions to avoid: Protect from light. Thermal decomposition: 10.5. **Imcompatible Materials** Strong oxidizing agents. Acids, halogens, metal oxides. 10.6. **Hazardous Decomposition Products** In the event of fire: see chapter 5. **Further Information** 10.7. 11. **Toxicological Information** 11.1. Information on Toxicological Effects Acute Toxicity No information available. LD50, oral:

LD50, dermal:

LC50, inhalation:

Primary effects

Irritant effect on skin:

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	Irritant effect on eyes:			
		No information available.		
	Inhalation:			
		No information available.		
	Ingestion:	No information available		
	Sensitization:	NO INIONNAUON AVAIIADIE		
	Sensuization.	No sensitizing effects known.		
	Mutagenicity:	C C		
		No data available.		
	Reproductive toxicity:			
		No data available.		
	Cancerogenity:			
		IARC: 3, group 3: not classifiable		
	Teratogenicity:			
		No information available.		
	Specific target organ toxicity (STOT):	Single exposure: no information availab	ble	
		Repeated exposure: no information available		
	Additional toxicological information:			
		Aspiration hazard: not applicable		
12.	Ecological Information			
12. 1.	Aquatic Toxicity			
		No information available.		
	Fish toxicity:			
	Daphnia toxicity:			
	Bacteria toxicity:			
	Algae toxicity:			
12. 2.	Persistency and Degradability	No information available.		
12. 3.	Bioaccumulation	No mornation available.		
12. J.	Diraccumulation	No information available.		
12. 4.	Mobility			
		No information available.		
12. 5.	Results of PBT- und vPvP Assessment	This product is neither a PBT or vPvB s contain a PBT or vPvB substance.	substance nor	does it
12. 6.	Other Adverse Effects			
	Water hazard class:			
		Do not let run into surface waters, wast	te water or soil.	
	Behaviour in sewage systems:			

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	Further ecological effects:		
		There are no data available on the pro	oduct itself.
		The product is not soluble in water. N	o negative effects expected.
	AOX Value:		
13.	Disposal Considerations		
13. 1.	Waste Treatment Methods		
	Product:		
		Dispose of according to official nation These products have to be dissolved mixed with it and then burnt in an incli afterburner and exhaust washer).	in a flammable solvent or
	European Waste Code (EWC):		
	Uncleaned packaging:		
	oncicanca packaging.	Packaging may be disposed of in the product.	same manner as the
	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 AD	R (land transportation).
	IMDG/IATA:		
		No hazardous goods according to IMI	DG.
14. 3.	Transport Hazard Classes		
	ADR Class:		
		not applicable	
	Hazard no.:		
	Classification code:		
	Tunnel no.:		
	IMDG Class (sea):		
	Hazard no.:		
	EmS No.:		
	IATA Class:		
		not applicable	
	Hazard no.:		
14. 4.	Packaging Group		
	ADR/RID:		
		not applicable	
	IMDG:		

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	IATA:			
14. 5.	Environmental Hazards			
		Not classified as environmentally ha	azardous.	
14. 6.	Special Precautions for User	Not allocation as a departure good	under trenenert re	aulationa
14. 7.	Transportation in Dulk apparding to Appay II	Not classified as a dangerous good		guiations.
14. 7.	Transportation in Bulk according to Annex II o	SI MARFOL 75/76 and IBC-Code		
15.	Regulatory Information			
15. 1.	Safety, Health and Environmental Regulations	/Legislation specific for the Substance or	Mixture	
	Water hazard class:	2 ware barandawa far watar (aalf aa		
		3, very hazardous for water (self-as	sessment)	
	Local regulations on chemical accidents:			
	Employment restrictions:			
	Restriction and prohibition of application:			
		EC. REACH, Section XVII, Restricting Placing on the Market and Use of C Preparations and Articles: forbidder agent, for the preservation of wood, and yarn, for water treatment.	ertain Dangerous and/or restricted	Substances, as antifouling
	Technical instructions on air quality:			
15. 2.	Chemical Safety Assessment			
	-	A Chemical Safety Assessment has product.	s not been carried	out for this
15. 3.	Further Information			
		Regulation (EC) 649/2012 concerni dangerous chemicals: Exempted ap other pesticides including biocidal p in agricultural chemicals.	oplications or cate	ores of use:
16.	Other Information			
		This product should be stored, have with good hygiene practices and in regulations. This information contain present state of knowledge and is in from the point of view of safety requ therefore not be construed as guara	conformity with an ned herein is base ntended to describ uirements. It shoul	y legal d on the e our produc d be