

Material Safety Data Sheet

According to 91/155/EEC and ISO 11014-1

Printing date : Nov. 25, 15 Replaced issue dd.:2015.01.01 1. Identification of substance and of the company Product Name: IRON OXIDE ORANGE UC960-2 Company: TODA UNITED INDUSTRIAL (ZHEJIANG) CO., LTD. DEQING COUNTY, ZHEJIANG, CHINA **Telephone:** +86 572 8425222 2. Composition/Data on components **Chemical characterization:** Synthetic iron oxide Fe₂O₃. H₂O (α –FeooH), combination of C. I. Pigment 77491 & 77492 CAS. No. 20344-49-4 & 1309-37-1 **Dangerous components:** None 3. Hazards identification May cause mechanical irritation to the eyes, skin and respiratory tract, Irritating gases/fumes may be given off during burning or thermal decomposition. HMIS Codes: H=1,F=1,R=0,P=0 (0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe) Eyes: Non-irritating to the eyes. Excessive exposure to airborne dust may reduce visibility and /or cause unpleasant deposits. Skin: will not irritate skin and is not likely to cause allergic skin reaction. Injury to the skin or mucus membranes can occur by direct mechanical action or by rigorous skin cleaning necessary for removal of dust. Other effects: none known. Not a hazard in normal industrial use. No harmful effects observed. The product is not a substance subject to mandatory marking in accordance with the EEC Directive 67/584/EEC Or amendments. 4. First Aid measures First aid for skin: In case of skin contact, immediately flush skin with water. Wash clothing before reuse. Call a physician if irritation occurs. First aid for ingestion: Immediately contact a physician. First aid for eyes: Flush eyes with plenty of water, lifting lids periodically for at least 15 minutes. Consult a physician if irritation persists. First aid for inhalation: Remove from dusty area to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen. Call a physician. 5. Fire fighting measures Product is non-combistible. Upper Explosive Limit (UEL): Will not explode. Lower Explosive Limit (LEL): Will not explode. **Fire Fighting Instructions:** Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes and smoke inhalation. Suitable extinguishing media: Material is not combustible. Use extinguishing media suitable for other combustible materials in the area. Special hazards caused by the material, its combustion products or resultant gases: none Flash point: Not applicable.

Auto-ignition temperature: Not applie	cable.				
6. Accidental release					
Environmental protection conduct: unknown discharge paths. After spillage/leakage/gas leakage: Clean up immediately with wetting or a	-	-		of water, se	wers or sites of
7. Handling and storage					
Handling: Usual precautions for nuisance dust sho Protection against fire and explosion The product is non-flammable Storage: Store in roofed places at room temperat Flammability Class: not applicable	:	ers tightly seale	ed.		
8. Exposure controls/personal protectio	<u>n</u>				
Additional notes for design of plant equipmentNo further details, see sec. 7Components with workplace-related limits to bDesignation%Nuisance dust100		nitored: <u>Type of data</u> MAK		Unit 6 mg/m ³	
Personal protection equipment: Respiratory protection:	1:6 - 1	TLV/TWA(0611)	10	mg/m ³
An appropriate dust filter has to be used	d if a breathable di	ust is liberated.			
9. Physical and chemical properties					
form: Powder					
colour: Orange odour: odourless					
		<u>Value/Arc</u>	ea	Unit	Method
Change in physical state Thermal Decomposition:		n.a.		⁰ C	Lit.
Flash point: not flammable					
Flammable properties: The product is	s not flammable ur	nder standardize	ed conditions	5.	
Explosion risks: The product is not explosion	plosive				
Vapour pressure:		n.a.	mbar		
Density:	$(20^{0}C)$	4.4-4.8	g/cm ³	DIN/ISO 787 part 10 B	
Solubility in water:	$(20^{0}C)$	<0,5	%	DIN/ISO 787 part 3	
PH-Value: (at 100 g/l H ₂ O)	$(20^{0}C)$	ca.4-7		DIN/IS	O 787 part 9
10. Stability and reactivity					
Hazardous Polymerization: Will not of Stability: Stable Material. Incompatibilities: None known. Instability conditions: None known. Decomposition temperature: Greater of Decomposition products: None known	than 120 C.				
11. Toxicological Information					
Because of experiences with the produc	et mentioned there	e are no recogni	zable hazard	ls for humar	n beings.

12. Ecological inform	nation						
Avoid infiltration into waster drainings or soil.							
13. <u>Disposal considerations</u>							
Waste Code No.: Check re-use as alte Contaminated pack	ce with federal, state and rnative. kages and containers: ninated packages and cont 18715 (Ger.	ainers may be recycled.					
14. Transport inform	nation						
International: Land transport: Sea transport: Air transport:	ADR/RID/GGVS/GGV IMDG/GGV See UN-N ICAO/IATA UN/ID-No	No.: Not Regulated					
U.S. CANADA	D.O.T.Classification: Transport of dangerou	e					
UN Class: None. UN/NA Number: N 15. <u>Regulatory infor</u>	red: None nired: None. No specific t lone. <u>mation</u>	ransportation precautions r	equired.				
Labeling according to SARA	• EEC Directives: Not Re	egulated.					
SARA 312: Health: Immediate Delayed ((Fire: Reactivity: Sudden release of	None None Fpressure: None				
These products a Agency for Resea any chronic healt	are not classified as Care arch on Cancer or the Oc	cupational Safety and Hea acts. The finished pigment	s. Toxicology Program, the Int Ith Administration. We do no is a fine powder and may in	t know of			
	t a substance subject to ma /548/EEC or amendments	andatory marking in accord	dance with the				
(WHG)		uent, acc. to §§7a 19,14	9a-1 of German Water Utiliz	ation Act			
16. <u>Further informa</u>HMIS Codes: H=1,I		al, 1=Slight, 2=Moderate,	3=Serious, 4=Severe)				
The information cor		the present state of our ki	nowledge, but without liability accurate to the best knowled				

manufacturer. The data on this sheet relates only to the specific material designated herein. It may not be valid for this material responsibility to verify suitability and completeness of this information for their own particular use. The manufacturer assumes no legal responsibility for use or reliance upon these data.

Department issuing this data sheet: Product safety department