


SAFETY DATA SHEET	Page 1 of 8
	Issued on: 12.08.2015
Trade name: ULTRAFINE TiO2 CCR 150	Revised on: 21.04.2020
	Revised version No.: 4

1. Identification of the substance/mixture and of the company/undertaking

1.1.	Product identifier (Product registration number):	ULTRAFINE TiO2 CCR 150	Identification no.: P944113, P944114
1.2.	Relevant identified uses of the substance/ mixture and uses advised against:	UV protection, transparent coatings, as an additive to plastics	
1.3.	Details of the supplier of the safety data sheet (manufacturer, importer, only representative, downstream user, distributor):		
1.3.1.	Supplier name:	CINKARNA CELJE, d.d.	PE TITANOV DIOKSID
1.3.2.	Supplier address and telephone:	Kidričeva 26, 3001 Celje - Slovenija, +386 3 427 60 00	
1.3.3.	E-mail (competent person) :	peter.bastl@cinkarna.si	
1.4.	Emergency phone number :	In case of medical emergency please contact the doctor. Additional informations are available during week from 7 AM to 3 PM on the telephone number +386 (0)3 427 6000.	

2. Hazards identification

2.1.	Classification of substance or mixture:	Oversensitivity of skin 1A, H317	
Reference to Chapter 16			
2.2.	Label elements:	Contains: 2-methyl-2H-izotiazol-3-on  GHS07 WARNING H317 May cause an allergic skin reaction. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302 + P352 IF ON SKIN: Wash with plenty of soap and water. P501 Dispose of contents /container to in accordance with national regulations.	
2.3.	Other hazards:	Data not available.	

3. Composition / information on ingredients

3.1.	Mixture
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Chemical name	CAS n. EC n. Index	Registration n. REACH	Conc. (wt/vol/ max. conc. %)	(Regulation (EC) No 1272/2008 (CLP))	
				Hazard statements (H)	Hazard class and hazard category
Titanium dioxide	13463-67-7 236-675-5	01-2119489379-17-001	15 - 17 %		
2-metil-2H-izotiazol-3-on	2682-20-4 220-239-6 613-326-00-9		0,0045 - 0,0055 %	H301 H311 H314 H317 H330 H335 H400 H411	Acute toxicity (dermal), Hazard Category 3 Skin corrosion/irritation, Hazard Category 1A, 1B, 1C Sensitisation - Skin, hazard category 1, 1A, 1B Acute toxicity (inhal.), Hazard Category 1, 2 Specific target organ toxicity - Single exposure, Hazard Category 3, Respiratory tract irritation Hazardous to the aquatic environment - AcuteHazard, Category 1 Hazardous to the aquatic environment - Chronic Hazard, Category 2

Reference to Chapter 16

4. First aid measures

4.1.	Description of first aid measures	Read the points below
	After inhalation:	Since the product is a suspension form, there is no potentially harmful powder form present.
	After skin contact:	Rinse skin with water and soap. If needed, seek medical assistance.
	After eye contact:	Rinse with water. Remove any contact lenses and continue rinsing with water for at least 15 minutes. Seek medical assistance if required.
	After Ingestion:	Rinse mouth with water; seek medical assistance if required.
4.2.	Most important symptoms and effects, acute and delayed:	Not known.
4.3.	Indication of any immediate medical attention and special treatment needed:	Not required.

5. Fire-fighting measures

5.1.	Extinguishing media	
	Appropriate extinguishing media:	Product is not flammable. If the product is involved in a fire, all conventional fire extinguishing agents may be used (CO ₂ , water mist, dry chemicals, etc.).
	Inappropriate extinguishing media:	Not known.
5.2.	Specific hazards arising from the substance or mixture:	
	Hazardous combustion products:	Not known.

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5.3.	Advice for firefighters:	No additional protection is needed. Protection in compliance with other circumstances.
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6. Accidental release measures

6.1.	Personal precautions protective equipment and emergency procedures	
6.1.1.	For non-emergency persons:	Use protective equipment such as goggles and gloves (see Chapters 7 and 8).
6.1.2.	For emergency persons:	Use protective equipment such as goggles and gloves (see Chapters 7 and 8).
6.2.	Environmental precautions	Do not allow to enter into surface water or drains.
6.3.	Methods and material for containment and cleaning	
6.3.1	Appropriate spillage retaining techniques (fencing, covering drains, retaining procedures):	Prevent outflow in canalization and surface waters. Mechanically collect into designated and appropriately marked vessels / containers.
6.3.2.	Appropriate cleaning procedures	
	Neutralization techniques:	Product is neutral.
	Decontamination techniques:	Not needed.
	Absorbent materials:	All inert absorbent materials.
	Cleaning techniques:	Mechanically collect into designated and appropriately marked vessels / containers. Use inert absorbent material.
	Sucking techniques:	Not known. Product is in liquid form.
	Required equipment for retaining / cleaning:	Use protective equipment such as goggles and gloves.
6.3.3.	Inappropriate retaining or cleaning techniques:	Not known.
6.4.	Reference to other sections:	Not needed.

7. Handling and storage

7.1.	Precautions for safe handling	
7.1.1.	Recommendations shall be specified to:	Storage in closed vessels in suspension form.
	Safe handling of substance or mixture:	Avoid skin and eye contact.
	Prevent handling of incompatible substances or mixtures:	Product is inert.
	Reduce the release of the substance or mixture to the environment:	Product should not be released in canalization or surface waters.
7.1.2.	General working hygiene (prohibited eating, drinking and smoking within working area; washing hands, etc.):	Normal working hygiene.
7.2.	Conditions for safe storage, including any incompatibilities	
	Management of risks associated with:	
	- explosive atmospheres	No danger.

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	- corrosive substances:	No danger.
	- incompatible substances or mixtures:	No danger.
	- evaporation substances:	Does not evaporate.
	- potential ignition sources:	No danger.
	How to control the effects of:	
	- weather conditions:	No danger.
	- ambient pressure:	No danger.
	- temperature:	Do not expose it over or below recommended handling temperature 5- 40 °C.
	- sunlight:	Do not expose it to direct sunlight.
	- humidity:	No danger.
	- vibrations:	No danger.
	Securing integrity of substance or mixture by use of:	
	- stabilisers:	No danger.
	- antioxidants:	No danger.
	Other advice including:	
	- prevention specifications:	Data not available.
	- specific designs for storage rooms or vessels (including retention walls and ventilation):	Not needed
	- quantity limitations regarding storage conditions:	Not needed
	- packaging compatibility:	Not needed
7.3.	Specific end use(s):	Data not available.
8. Exposure control / personal protection		
8.1.	Control parameters	
8.1.1.	Limit values (LV):	1000 mg/m3.
Reference to Chapter 16		
	DNEL	Data not available.
	PNEC	Data not available.
8.2.	Exposure control	
8.2.1.	Appropriate technical and engineering controls:	Data not available.
8.2.2.	Personal protective equipment:	Standard personal protection equipment
	- respiratory protection:	Not needed.
	- skin protection:	Protective clothing - SIST EN ISO 13688; protective footwear SIST EN ISO 20345.

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	- hand protection:	Protective gloves - SIST EN ISO 374-1 (Latex, Nitril), Thickness 0.1 - 0.4 mm for single use, 0.5 - 1 mm for multiple use, penetration time 480 min.
	- eye/ face protection:	Protective goggles - SIST EN 166.
	- heat radiation protection:	No danger
	Other:	Normal working hygiene.
8.2.3.	Environment exposure control	See chapter 7.1.1.

9. Physical and chemical properties

9.1.	Information on basic physical and chemical properties	
	- appearance:	White liquid.
	- colour:	White
	- odour:	Slightly pleasant smell.
	- pH:	7 - 9 (CCR 110); 6 - 8 (CCR 150); both in water suspension
	- melting/ freezing point:	~ 0°C
	- boiling point and boiling range:	~ 100°C
	- flash point:	Data not available.
	- vaporization rate:	Data not available.
	- flammability (solid, gas):	Not flammable
	- upper /lower flammability or explosive limit:	No danger
	- vapour pressure:	Data not available.
	- vapour density:	Data not available.
	- relative density:	~ 1,2 kg/L (room temperature)
	- solubility:	Data not available.
	- partition coefficient: n-octanol/water	Data not available.
	- spontaneous combustion temperature:	Data not available.
	- decomposition temperature:	Data not available.
	- viscosity:	Data not available.
	- explosion properties:	Data not available.
	- oxidation properties:	Data not available.
9.2.	Other information	No other data

10. Stability and reactivity

10.1.	Reactivity:	Not reactive.
10.2.	Chemical stability:	Stable.

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10.3.	Possible hazardous reactions:	Data not available.
10.4.	Conditions to avoid:	Heating over boiling point.
10.5.	Incompatible materials:	No danger.
10.6.	Hazardous decomposition products:	No danger.

11. Toxicological data

11.1	Information on toxicological effects	Product is not toxic.
Reference to Chapter 16		
	- acute toxicity:	Product is not toxic.
	- skin corrosion /irritation:	Product does not irritate skin.
	- serious eye damage/ irritation:	Product could cause eye irritation.
	- respiratory or skin sensitisation:	Can cause allergic skin response.
	- germ cell mutagenicity:	Data not available.
	- Carcinogenicity:	Data not available.
	- toxicity for reproduction:	Data not available.
	- STOT ? single exposure:	Data not available.
	- STOT ? repeated exposure:	Data not available.
	- Inhalation hazards:	No danger.

12. Ecological information

12.1.	Toxicity:	Product is not toxic.
12.2.	Persistence and degradability:	Inert material. Not biologically degradable.
12.3.	Accumulation in organisms:	Data not available.
12.4.	Mobility in soil:	See chapter 7.1.1 - release
12.5.	PBT and vPvB assessment results:	Data not available.
12.6.	Other adversative effects:	Data not available.

Reference to Chapter 16

13. Disposal considerations

13.1.	Waste treatment methods:	Dispose of in accordance with local, state and federal regulations
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14. Transport information

	ADR, RID, ADN, IMDG, ICAO-TI/IATA-DGR	Product is not under ADR regulations.
14.1.	UN number:	ne spada
14.2.	UN proper shipping name (technical name if required):	Product is not under ADR regulations.
14.3.	Transport hazard class:	ni podatka

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14.4.	Packaging group:	ni podatka
14.5.	Hazard to environment:	No danger
14.6.	Special precautions for user:	Not needed
14.7.	Bulk transport by MARPOL 73/78 Annex II and IBC Code:	Not due
14.8.	Tunnel code:	ni podatka
14.9.	Classification code:	Data not available.
14.10.	Hazard label:	No danger

15. Regulatory information

15.1.	Rules and regulations regarding health, safety and environmental hazard specific to the substance or mixture:	CLP Regulation; REACH Regulation; Chemicals Act; Occupational Safety and Health Act; Rules on personal protective equipment; Rules on the Protection of Workers from the Risks of Exposure to Chemical Substances at Work; Rules on requirements for ensuring the safety and health of workers at workplaces; List of harmonized standards, the use of which creates a presumption of conformity of a product with requirements.
15.2.	Chemical safety assessment:	Data not available.

16. Other information

	Amendments made in the revised edition:	2.1 Oversensitivity of skin 1A, H317 2.2 Label elements added (H+P sentences, pictogram and WARNING) 3.1 Added 2-methyl-2H-izotiazol-3-on and H sentences 6.2 Added text for environmental safety measures 7.2 Temperature text modified 8.1.1 limit value added, calculated on 2-metil-2H-izotiazol-3-on 8.2.2 Beside the standards, the years of the newest versions were removed 11.1 Text was added under 4th row - oversensitivity of skin 15.1 New text added														
	List of relevant R phrases, hazard statements (H) and precautionary statements (P) which have not been written out in full in sections 2 to 15:	<table border="1"> <tr> <td>H301</td> <td>Toxic if swallowed.</td> </tr> <tr> <td>H311</td> <td>Toxic in contact with skin.</td> </tr> <tr> <td>H314</td> <td>Causes severe skin burns and eye damage.</td> </tr> <tr> <td>H317</td> <td>May cause an allergic skin reaction.</td> </tr> <tr> <td>H330</td> <td>Fatal if inhaled.</td> </tr> <tr> <td>H400</td> <td>Very toxic to aquatic life.</td> </tr> <tr> <td>H335</td> <td>May cause respiratory irritation.</td> </tr> </table>	H301	Toxic if swallowed.	H311	Toxic in contact with skin.	H314	Causes severe skin burns and eye damage.	H317	May cause an allergic skin reaction.	H330	Fatal if inhaled.	H400	Very toxic to aquatic life.	H335	May cause respiratory irritation.
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	Training of personnel:	In compliance with regulations for safety at workplace.														
	Sources:	MSDS, REACH, CLP														
	A key or legend to abbreviation and acronyms used in the safety data sheet:	<table border="1"> <tr> <td>ADR</td> <td>European Agreement concerning the International</td> </tr> <tr> <td>DNEL</td> <td>Derived No Effect Level</td> </tr> <tr> <td>PBT</td> <td>Persistent, Bioaccumulative, Toxic</td> </tr> <tr> <td>PNEC</td> <td>Predicted No Effect Concentration</td> </tr> </table>	ADR	European Agreement concerning the International	DNEL	Derived No Effect Level	PBT	Persistent, Bioaccumulative, Toxic	PNEC	Predicted No Effect Concentration						
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		STOT	Specific target organ toxicity
		VPvB	Very Persistent, Very Bioaccumulative

Data specified above are based on research and experience of the supplier at the time of compiling the present MSDS. The supplier may not assume responsibility in case the buyer/user should fail to use the product in accordance with the relevant suggestions and recommendations. No information contained in the present MSDS may release the buyer/user from liability to strictly follow any legal requirements regarding his business activities.