

SAFETY DATA SHEET VT-481 CCL - TC - RD

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

SECTION 1: Identification of the	ne substance/mixture and of the company/undertaking	
1.1. Product identifier		
Product name	VT-481 CCL - TC - RD	
Synonyms; trade names	Copper Clad Laminate.	
1.2. Relevant identified uses of the substance or mixture and uses advised against		
Identified uses	Production of printed circuit board materials.	
1.3. Details of the supplier of the safety data sheet		
Supplier	Ventec-Europe Limited Unit 1 Trojan Business Centre Tachbrook Park Warwick. CV34 6RH 01926 889822 sales@ventec-europe.com	
Manufacturer	Ventec Electronics (Suzhou) Co. Ltd 308, Taishan Road, New District, Suzhou Jiangsu, P.R.C. 215129	
1.4. Emergency telephone nur	nber	
Emergency telephone	0086-512-68091810	
SECTION 2: Hazards identification	ation	
2.1. Classification of the subst	ance or mixture	
Classification (EC 1272/2008)		
Physical hazards	Not Classified	
Health hazards	Not Classified	
Environmental hazards	Not Classified	
2.2. Label elements		
Hazard statements	NC Not Classified	
2.3. Other hazards		

SECTION 3: Composition/inf	ormation on ingredients		
3.2. Mixtures			
Epoxy Resin - Fully Cured - CAS number: 26265-08-7	Proprietary Formulation 50.0%		
Classification Skin Irrit. 2 - H315			
Glass cloth CAS number: 65997-17-3	35.0%		
Classification Not Classified			
Copper Foil CAS number: 7440-50-8	15.0% EC number: 231-159-6		
Classification Not Classified			
The Full Text for all R-Phrase Composition comments	es and Hazard Statements are Displayed in Section 16. Tested on 0.047" 1/1 (OA) material.		
SECTION 4: First aid measu	res		
4.1. Description of first aid me	easures		
General information	Get medical advice/attention if you feel unwell. Never give anything by mouth to an unconscious person.		
Inhalation	IF INHALED: Move affected person to fresh air at once. If breathing stops, provide artificial respiration. Consult a physician for specific advice.		
Ingestion	IF SWALLOWED: Rinse mouth thoroughly with water. Consult a physician for specific advice.		
Skin contact	Remove contaminated clothing. Rinse immediately with plenty of water.		
Eye contact	If dust has entered the eyes, proceed as follows. Rinse immediately with plenty of water. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist after washing.		
Protection of first aiders	If it is suspected that airborne contaminants are still present around the affected person, first aid personnel should wear an appropriate respirator or self-contained breathing apparatus.		
4.2. Most important symptoms and effects, both acute and delayed			
Inhalation	Inhalation of dust during cutting, grinding or sanding operations involving this product may cause irritation of the respiratory tract.		
Ingestion	Due to the physical nature of this product, it is unlikely that ingestion will occur. May cause discomfort if swallowed.		
Skin contact	Dust may cause slight irritation.		
Eye contact	Dust may cause slight irritation.		
4.3. Indication of any immedia	ate medical attention and special treatment needed		

Notes for the doctor	Treat symptomatically.	
SECTION 5: Firefighting meas	sures	
5.1. Extinguishing media		
Suitable extinguishing media	Use fire-extinguishing media suitable for the surrounding fire. Water spray, foam, dry powder or carbon dioxide.	
Unsuitable extinguishing media	None known.	
5.2. Special hazards arising from the substance or mixture		
Specific hazards	The product is not flammable.	
Hazardous combustion products	Thermal decomposition or combustion products may include the following substances: Carbon dioxide (CO2). Carbon monoxide (CO). Halogenated hydrocarbons. Acrid smoke or fumes. Toxic gases or vapours.	
5.3. Advice for firefighters		
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.	
SECTION 6: Accidental release	e measures	
6.1. Personal precautions, protective equipment and emergency procedures		
Personal precautions	Avoid inhalation of dust and contact with skin and eyes.	
6.2. Environmental precaution	<u>S</u>	
Environmental precautions	Avoid release to the environment. Avoid spreading dust or contaminated materials.	
6.3. Methods and material for	containment and cleaning up	
Methods for cleaning up	Collect powder using special dust vacuum cleaner with particle filter or carefully sweep into suitable waste disposal containers and seal securely.	
6.4. Reference to other section	1S	
SECTION 7: Handling and sto	rage	
7.1. Precautions for safe hand	ling	
Usage precautions	No specific requirements are anticipated under normal conditions of use.	
Advice on general occupational hygiene	No specific requirements are anticipated under normal conditions of use.	
7.2. Conditions for safe storag	e, including any incompatibilities	
Storage precautions	No specific requirements are anticipated under normal conditions of use.	
7.3. Specific end use(s)		
SECTION 8: Exposure Contro	Is/personal protection	
8.1. Control parameters		
8.2. Exposure controls		
Appropriate engineering controls	Mechanical ventilation or local exhaust ventilation may be required.	
Personal protection	The following personal protection may be needed if long term exposure during machining, grinding and sawing.	

Eye/face protection	Wear eye protection.		
Hand protection	Wear protective gloves.		
Other skin and body protection	No specific requirements are anticipated under normal conditions of use.		
Hygiene measures	Good personal hygiene procedures should be implemented.		
Respiratory protection	Wear a suitable dust mask.		
SECTION 9: Physical and Ch	emical Properties		
9.1. Information on basic phys	sical and chemical properties		
Appearance	Solid.		
Odour	No characteristic odour.		
Odour threshold	Does not apply, as product is odourless.		
Flammability (solid, gas)	UL-94 V0		
Relative density	~ 1.6 - 1.9		
Decomposition Temperature	355°C		
Comments	Information given is applicable to the product as supplied.		
9.2. Other information			
SECTION 10: Stability and rea	activity		
10.1. Reactivity			
Reactivity	Not reactive under normal use and conditions.		
10.2. Chemical stability			
Stability	Stable under normal use and conditions.		
10.3. Possibility of hazardous	reactions		
Possibility of hazardous reactions	Product is stable. Hazardous polymerisation will not occur.		
10.4. Conditions to avoid			
Conditions to avoid	Avoid generation and spreading of dust.		
10.5. Incompatible materials			
Materials to avoid	Strong acids. Strong alkalis. Strong oxidising agents.		
10.6. Hazardous decomposition	10.6. Hazardous decomposition products		
Hazardous decomposition products	Will decompose at temperatures exceeding 355°C. Carbon monoxide (CO). Carbon dioxide (CO2). Hydrogen bromide (HBr). Nitrous gases (NOx).		
SECTION 11: Toxicological information			
11.1. Information on toxicological effects			
Toxicological effects	No data available on the specific mixture.		
Skin contact	Powder may irritate skin.		
Eye contact	Powder may irritate the eyes.		

SECTION 12: Ecological Inform	mation	
12.1. Toxicity		
12.1. Toxicity 12.2. Persistence and degradability		
	The product is not biodegradable.	
12.3. Bioaccumulative potentia	al	
Bioaccumulative potential	– No data available on bioaccumulation.	
12.4. Mobility in soil		
Mobility	No data available.	
12.5. Results of PBT and vPvE	3 assessment	
12.6. Other adverse effects		
SECTION 13: Disposal considerations		
13.1. Waste treatment method		
General information	External recovery, treatment, recycling and disposal of waste should comply with all applicable local and/or national regulations.	
SECTION 14: Transport inform	nation	
General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).	
14.1. UN number		
14.2. UN proper shipping nam	<u>e</u>	
14.3. Transport hazard class(e	əs)	
14.4. Packing group		
14.5. Environmental hazards		
14.6. Special precautions for u	<u>iser</u> ing to Annex II of MARPOL and the IBC Code	
SECTION 15: Regulatory infor		
	onmental regulations/legislation specific for the substance or mixture	
National regulations	None Listed.	
EU legislation	None Listed.	
15.2. Chemical safety assess		
SECTION 16: Other information		
Issued by	HS&E Manager.	
-	11/03/2020	
Revision date		
Revision	Issue 2	
SDS number	4535	
SDS status	Approved.	
Hazard statements in full	1245 Course align instation	

Hazard statements in full H315 Causes skin irritation.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.