

SAFETY DATA SHEET VT-461 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 substance/mixture and of the company/undertaking			
1.1. Product identifier			
Product name	VT-461 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 (Suzhoe) Co. Ltd 308, Taishan Road, New District, Suzhoe Jiangsu, P.R.C. 215129		
1.4. Emergency telephone nur	mber		
Emergency telephone	0086-512-68091810		
SECTION 2: Hazards identific	ation		
2.1. Classification of the substance or mixture Classification (EC 1272/2008)			
Physical hazards	Not Classified		
Health hazards	Not Classified		
Environmental hazards	Not Classified		
2.2. Label elements Hazard statements 2.3. Other hazards	NC Not Classified		

SECTION 3: Composition/info 3.2. Mixtures	ormation on ingredients
Epoxy Resin - Fully Cured -	Proprietary Formulation 50.0%
CAS number: 26265-08-7	
Classification Skin Irrit. 2 - H315	
Glass cloth	35.0%
CAS number: 65997-17-3	
Classification Not Classified	
Copper Foil	15.0%
CAS number: 7440-50-8	EC number: 231-159-6
Classification Not Classified	
The Full Text for all R-Phrase	es and Hazard Statements are Displayed in Section 16.
Composition comments	Tested on 0.047" 1/1 (OA) material.
SECTION 4: First aid measu	
4.1. Description of first aid me	
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 symptom	s 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 fro	om 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 releas	e measures
6.1. Personal precautions, pro	tective equipment and emergency procedures
Personal precautions	Avoid inhalation of dust and contact with skin and eyes.
6.2. Environmental precaution	8
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	<u>15</u>
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)	
Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
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 Chemical Properties			
9.1. Information on basic physical 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	365°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	on products		
Hazardous decomposition products	Will decompose at temperatures exceeding 365°C. Carbon monoxide (CO). Carbon dioxide (CO2). Hydrogen bromide (HBr). Nitrous gases (NOx).		
SECTION 11: Toxicological in	SECTION 11: Toxicological information		
11.1. Information on toxicolog	ical effects		

Toxicological effects No data available on the specific mixture.

Powder may irritate skin.			
Powder may irritate the eyes.			
SECTION 12: Ecological Information			
ability			
The product is not biodegradable.			
al			
No data available on bioaccumulation.			
No data available.			
B assessment			
derations			
ds			
External recovery, treatment, recycling and disposal of waste should comply with all applicable local and/or national regulations.			
mation			
The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).			
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user			
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