



GRACE ELECTRON CORP. (GUANGZHOU)

廣州宏仁電子工業有限公司

Add: No.1 Yunpu 1st Road, Luogang District, Guangzhou, China

Tel.: 0086-20-82266188

Fax: 0086-20-82264258

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MATERIAL SAFETY DATA SHEET

MPP-97(CF)

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

CHEMICAL PRODUCT NAME: Prepreg (MPP-97(CF))
COMPANY: GRACE ELECTRON CORP. (GUANGZHOU)
ADDRESS: No.1 Yunpu 1st Road, Luogang District, Guangzhou, China.
POST CODE: 510530
FAX: 0086-20-82264258
EMERGENCY CALL OF COMPANY: 0086-20-13802732387
TECHNOLOGY DESCRIPTION NO: MSDS-MPP-97(CF)
DATE OF TAKING EFFECT: Nov.16.2009
EMERGENCY CALL OF COUNTRY: 110(Accident); 119 (Fire); 120(Casualty)

2. COMPOSITION

THE PRODUCTS ARE MIXTURE

INGREDIENT NAME	WEIGHT%	CAS No.
Fiber Glass	30~60%	6599-17-3
Resin	40~70%	/
Filler	0~15%	/

REMARK: This product does not contain reportable hazardous ingredients as defined by the OSHA Hazard Communication Standard (29CFR1910, 1200).

3. HADARDS IDENTIFICATION

FATALNESS CATEGORY: No relative data

INCURSION: Dust from trimming, drilling operations can break the body by inbreathing and touching.

HEALTHY HARMFULNESS: Dust from trimming, drilling operations may cause skin irritation to the eye and the respiratory tract.

ENVIRONMENT HARMFULNESS: Not expected to cause any environment harmful.

EXPLOSIVE DANGEROUSNESS: No explosive substances

4. FIRST AID MEASURES

It is indicated that discomfort or injury cause by dust from trimming, drilling operations.

SKIN TOUCH: Wash it with water or soap to prevent dust from entering skin pores.

EYE CONTACT: Take victim away the pollution area, wash eyes with abundance water at least 15 minutes and consult a physician if necessary.

ABSORPTION: Take victim away the pollution area and send for a doctor if necessary.

EAT: Consult a physician if eat.



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5. FIRE FIGHTING MEASURES

DANGER CHARACTERISTIC: High temperature, open flame and oxidant may cause on fire and poisonous gas.

HAZARDOUS COMBUSTION PRODUCTS: CO, CO₂, HBr, smoke, ash

EXTINGUISHING MEDIA: Water, CO₂ and dry chemical is unfit it.

PRECAUTION FOR FIRE FIGHTING: Firemen should wear fire-defense clothes, breathing apparatus, fire-defense glove and so on.

6. ACCIDENTAL RELEASE MEASURES

Not applicable, material is a solid.

7. HANDLING AND STORAGE

HANDLING: Keep the good industrial hygiene action. During trimming, drilling operations minimize the chance of inhalation of dusts and contact with skin and eyes. Provide adequate ventilation.

STORAGE: Store in a dry place away from moisture, excessive heat and sources.

8. CONTACT CONTROL/PERSONAL PROTECTION

MAX TOLERANCE CONSISTENCE: No relative data

TEST METHOD: Arithmometer for dust particle

ENGINEERING CONTROL: Use exhausts ventilation for control dust

RESPIRATORY PROTECTION: Use dustproof respirator when trimming and drilling.

EYE PROTECTION: Wear safety glasses when trimming and drilling.

BODY PROTECTION: Wear dustproof smock when trimming and drilling.

HANDS PROTECTION: Wear dustproof gloves when trimming and drilling.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND PHYSICAL STATE: Yellow solid, no odor at room temperature and normal pressure

MELTING POINT: No relative data

DENSITY (WATER= 1) : >1

BOILING POINT: No relative data

VAPOUR DENSITY: No relative data

FLASH POINT: No relative data

LOWER EXPLODE LIMIT: No relative data

FLAMMABLE POINT: 440°C

UPPER EXPLODE LIMIT: No relative data

WATER SOLUBILITY: Insoluble

MAJOR USE: Substrate for printed circuitry; Multilayer Boards

Main purpose: Used in the PCB



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10. STABILITY AND REACTIVITY

STABILITY: Being stable under the conditions of room temperature and normal pressure

MATERIALS TO AVOID: Strong oxidizing agents.

CONDITIONS TO AVOID: If being attacked by oxidizing agents and over 125°C, the material will decompose with the time.

HAZARDOUS POLYMERIZATION: None

DECOMPOSTION PRODUCTS: CO, CO₂, HBr,

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: Have no acute toxicity

STIMULATION: Dust from trimming, drilling operations may cause middling irritation to the eye and the skin.

12. ECOLOGICAL INFORMATION

ECOLOGICAL TOXICITY: No relative data

BIODEGRADABILITY: Not biodegradable

NONBIODEGRADABILITY: No relative data

13. DISPOSAL CONSIDERATIONS

WASTE PROPERTY: Organic Resin Waste (HW13)

WASTE DISPOSAL: 1. Landfill in accordance with state and local requirements.

2. Burns down with the control to Process

WASTE NOTE: When abandoned should ensure that not cause the pollution to the environment

14. TRANSPORT INFORMATION

DANGEROUS COMMODITY CODE: No relative data

UN CODE: No relative data

SIGN OF PACKING: No relative data

CLASS OF PACKING: No relative data

PACKING: With plastic film /paper core pipe/paper box packing

PRECAUTION: 1. Prevents moistly

2. The product may cause slip, scratch, contuse or roll out of order when the vehicle is stop and start suddenly.



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15. REGULATION INFORMATION

< Safety Management Regulations of Chemical Dangerous Goods >(February 17, 1987 the State Council issued)

The product did not be included the <Common signs and the classification of dangerous chemicals GB13690-92>

The product did not be included the <The description of dangerous goods table GB12268-90>

16. OTHER INFORMATION

FILLING DATE: Nov.16.2009

FILLING DEPARTMENT: RD. Dept., GRACE ELECTRON CORP. (GUANGZHOU)

Data review department: : RD. Dept., GRACE ELECTRON CORP. (GUANGZHOU)

USERS NOTICE: The user should read and understand this material, According to application demand judge the usability

REVISIONS NOTE: Amendment according to <Chemical product security technical manual compilation stipulation scope GB16483-2000>