

Safety Data Sheet (SDS)
according to (EC) 1907/2006 (REACH)

物质安全数据表 (SDS)
遵照(EC) 1907/2006 (REACH)

(TRADE) NAME OF THE CHEMICAL

化学品名

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

第一部分 物质/配制品/公司名称

1.1 Identification of the chemical (substance or preparation)

化学品（物质或配制品）名称

Product name: Copper Clad Paper Phenolic laminate
Synonyms: FR-1
Chemical Formula: None
Product Codes: CCP-3400, CCP-3400(ST), CCP-3400(AP), CCP-3400(S), CCP-3400(RC)
Supplier Information: Chang Chun Plastics Co., Ltd. Hsin-Chu Factory
Emergency phone numbers: 886-3598-1511

1.2 Use of the chemical

化学品用途

PCB

1.3 Company identification

公司信息

Company name 公司名 : Chang Chun Plastics Co., Ltd.
Address 地址 : Songkiang Rd., 7th Fl., Taipei 104, Taiwan
Postal code 邮编 : 104
Country 国家 : R.O.C.
Telephone number 电话 : 886-2-2500-1883
Fax number 传真 : 886-2-2501-8018
E-Mail (person responsible for SDS) 责任人邮箱 : scp1@ccp.com.tw
Date of latest version SDS 最新版日期 : 2017-01-09

1.4 Emergency Telephone

应急电话

In case of an emergency, please contact:

紧急情况请联系:

Chih-Hao Lin/ 886-2-2500-1883

SECTION 2. HAZARDS IDENTIFICATION

第二部分 危险鉴定

Emergency Overview: Dust hazard when sawing.

Adverse Human Health Effects: Inhale dust when sawing, move to where is with fresh air, induce vomiting and see doctor.

Environmental Effects: NA

Physical and Chemical Hazards: No applicable.

Specific Hazards: No available data

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

第三部分 成分组成信息

3.1 General Chemical Description

总体化学品描述

Copper Clad Paper Phenolic laminate

3.2 Base Substances of Preparation

配制品基本成分

<i>components</i> 成分	<i>EC-No.</i>	<i>CAS-No.</i>	<i>Content (% or range)</i> 浓度 (浓度范围)
Copper	231-159-6	7440-50-8	18-25%
Cellulose bleached paper		9004-34-6	25-45%
Bromonated epoxy resin		68928-70-1	3-9%
Phenolic resin	500-005-2	9003-35-4	30-45%

3.3 Declaration of Ingredients according to EC 1907/2006(REACH Regulation) (If necessary)

遵照EC 1907/2006(REACH)成分声明 (如果需要)

<i>Hazardous components</i> 危险成分	<i>EC-No.</i>	<i>CAS-No.</i>	<i>Content (% or range)</i> 浓度 (浓度范围)	<i>Classification</i> 分类
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Please refer to section 16 for an overview of all R-phrases mentioned here.

涉及的所有风险分级（R-phrases）请参阅第十六部分。

SECTION 4. FIRST AID MEASURES

第四部分 急救措施

4.1 General information

一般建议

Exposure Route 接触途径	Specific First Aid Measures 具体急救措施
<i>Inhalation</i> 呼吸吸入	If exposed to combustion by-products remove to fresh air. Seek medical attention if symptoms persist.
<i>Skin</i> 皮肤接触	Wash contacted areas thoroughly with soap and water. If irritation persists seek medical attention.
<i>Eye contact</i> 眼睛接触	Immediately flush eyes and eyelids thoroughly with water for at least 15 minutes while lifting upper and lower lids. Seek medical attention.
<i>Ingestion</i> 食入	Induce vomiting

4.2 Advice to doctor

医生注意

Good ventilation and wear goggles and mask.

SECTION 5. FIRE-FIGHTING MEASURES

第五部分 消防措施

5.1 Suitable fire-fighting equipment

合适的消防设备

	Suitable 适合	Unsuitable 不适合
Fire fighting equipment 消防设备	Extinguishing Media: Water fog, foam, CO2 and dry chemical are usable.	NA

Protection gear 保护用具	Normal firefighter fire-protection clothes and equipments.	NA
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5.2 Dangerous decomposition products:

危险燃烧分解产物

N.A.

5.3 Additional information for firefighters

消防员需注意的附加信息

N.A.

SECTION 6. ACCIDENTAL RELEASE MEASURES

第六部分 泄露应急处理

6.1 Personal precautions

人员的预防措施

No available data.

6.2 Environmental precautions

环境预防措施

Copper clad material should be collected for recycle where possible.

6.3 Methods for cleaning up/taking up

清除的方法

Normal clean up including sweeping and vacuuming.

SECTION 7. HANDLING AND STORAGE

第七部分 操作处置和储存

7.1 Handling

安全处理措施

avoid inhaling the power developed after cutting laminates from mouth and nose.

7.2 Storage

安全贮存条件

Store between 40°F and 70°F; keep dry.

7.3 Specific use(s)

特殊用途

N.A.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

第八部分 接触控制/个体防护

8.1 Exposure limit values

最大暴露浓度

Not applicable

8.2 Exposure controls

暴露控制

Occupational exposure controls

职业接触控制

(a) Respiratory protection 呼吸系统防护

Ordinary Mask

(b) Hand protection 手防护

Clothes glove

(c) Eye protection 眼睛防护

Goggle

(d) Skin protection 皮肤防护

Wear protective gloves and clean body-covering clothing when sawing.

Environmental exposure controls

环境暴露控制

Not applicable

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

第九部分 理化特性

9.1 General information

常规信息

Appearance 外观: Slight brown

Odour 气味: slight

9.2 Important health, safety and environmental information

重要健康、安全和环保信息

Acidity/pH pH值	NA
Boiling point/boiling range 沸点/沸程	NA
Flash point 闪点	NA
Flammability (solid, gas) 易燃性 (固体, 气体)	UL 94-V0
Explosive properties 爆炸特性	NA
Oxidising properties 氧化性	NA
Vapour pressure 蒸汽压力	NA
Relative density 相对密度	1.38~1.5
Solubility 溶解度	NA

Water solubility 水溶性	NA
Partition coefficient: n-octanol/water 分配系数: 辛醇/水	NA
Viscosity 粘度	NA
Vapour density 蒸汽密度	NA
Evaporation rate 蒸发率	NA

9.3 Other information

其它信息

NA

SECTION 10. STABILITY AND REACTIVITY

第十部分 稳定性和反应活性

10.1 Conditions to avoid

应避免的情况

Heat, flame, ignition sources and dusting.

10.2 Materials to avoid

应避免接触的物质

None

10.3 Hazardous decomposition products

危害分解产物

Complete combustion will emit carbon dioxide and water when heated to decomposition. Incomplete combustion gives in addition carbon monoxide and oxidation products, including phenols and aldehydes.

SECTION 11. TOXICOLOGICAL INFORMATION

第十一部分 毒理学资料

Acute oral toxicity 急性经口毒性

No available data

Acute dermal toxicity 急性经皮毒性

No available data

Acute inhalational toxicity 急性吸入毒性

No available data

Irritant effect on skin 皮肤的刺激

No available data

Irritant effect on eye 眼睛的刺激

No available data

Sensitization 过敏性

No available data

Carcinogenicity 致癌性

No available data

Mutagenicity 致畸性

No available data

Reproduction toxicity 生殖毒性

No available data

Accumulative toxic effect 累积毒性

No available data

SECTION 12. ECOLOGICAL INFORMATION

第十二部分 生态学资料

12.1 Ecotoxicity

生态毒理学

No information available

12.2 Mobility

流动性

No information available

12.3 Persistence and degradability

持久性和降解性

No information available

12.4 Bioaccumulative potential

生物累积的潜在可能性

No information available

12.5 Results of PBT assessment

PBT评估结果

No information available

12.6 Other adverse effects

其它不利影响

No information available

SECTION 13. DISPOSAL CONSIDERATIONS

第十三部分 废弃处理

Follow government regulation.

SECTION 14. TRANSPORT INFORMATION

第十四部分 运输信息

Classification according to ADR

陆地运输

Not applicable

Classification according to IMDG

海运

Not applicable

Classification according to IATA

航空运输

Not applicable

SECTION 15. REGULATORY INFORMATION

第十五部分 法规信息

Not applicable

SECTION 16. OTHER INFORMATION

第十六部分 其它信息

- list of all R phrases mentioned in the document 本文中涉及物质的风险分级列表
- recommended restrictions on use 关于用途的推荐性限制
- sources of key data used to compile the Safety Data Sheet. 该安全资料表的关键数据源