



广东东溢新材料科技有限公司
GUANGDONG DONGYI HIGH-TECH MATERIAL SCIENCE&TECHNOLOGY CO., LTD.

物质安全数据表
Material Safety Data Sheet

修订日期 Revision Date: 2024/04/08

1、产品及企业标识 Product and Company Identification

物品名称: 玻璃纤维板(FR4) Product Name: FR-4 Epoxy Glass Cloth
产品编号: HW、SW、GW Product Code: HW、SW、GW
供应商名称: 广东东溢新材料科技有限公司 地址: 广东省中山市南区昌盛路 22 号/板芙镇智创路1号 联系电话: 0086-0760-88892754 Supplier: GUANGDONG DONGYI HIGH-TECH MATERIAL SCIENCE&TECHNOLOGY CO., LTD. Address : NO.22 Changsheng Road, South District, Zhongshan City, Guangdong Province/ No. 1 ZhiChuang Road, Banfu Town Tel: 0086-0760-88892754
建议用途及限制使用: 增强、阻燃和电绝缘材料; 无卤。 Suggestion and Restriction on application: Reinforcing/ flame retarding and electrical insulation Materials; Halogen free.
紧急联络电话: 0760-88892754 传真: 0760-88892754 Emergency Phone Number: 0760-88892754 FAX: 0760-88892754

2、危害辨识概述 Hazard Identification

物品危害分类/Hazard Classification: 不属于 GHS 分类内容。It is outside the object for classification under according to GHS.
GHS 标示内容 / GHS Label Elements: 象征符号/Symbol: 警示语/Singal Words: 危害警告 讯息/Hazard statement: 危害防范措施/Precaution:
其它危害: 侵入途径: 碎屑清理/裁剪/磨边过程中产生之粉屑可通过吸入、接触侵入人体。 健康危害: 碎屑清理/裁剪/磨边过程中产生之粉屑可能刺激皮肤且有发痒感觉, 并可能刺激眼睛和呼吸道。 环境危害: 对环境无明显危害。 爆炸危险: 本身不具有爆炸性。 Others: INCURSION: Dust from trimming, drilling and milling operations can break the body by inbreathing and touching. HEALTHY HARMFULNESS: Dust from trimming, drilling and milling operations may cause the itch and the skin irritation, and irritate eyes and respiratory tract. ENVIRONMENT HARMFULNESS: No obvious harm to the environment. EXPLOSIVE DANGEROUSNESS: No explosive substances



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3、成分/组成信息 Composition/Information on Ingredients

混合物质/Mixture:

组份 Ingredient	浓度范围(质量百分比) Concentration range (Weight%)	化学文摘社登记号码 (CAS NO.) :
玻璃纤维布 Glass fabric woven	25-65%	65997-17-3
环氧树脂 Epoxy Resin	26-57%	N/A
填料 Filler	8-19%	21645-51-2

4、急救措施 First Aid Measures

不同暴露途径之急救方法:

- ◆ 吸入: 将人移到新鲜空气处。如果刺激持续, 请就医。
- ◆ 皮肤接触: 用温和的肥皂和自来水清洗。使用毛巾帮助去除粉屑。为避免进一步刺激, 不要摩擦或抓伤受影响的区域。摩擦或抓挠可能会促使纤维进入皮肤。如需要请就医。
- ◆ 眼睛接触: 立即离开污染源。用活水冲洗眼睛至少 15 分钟。如需要请就医。
- ◆ 食入: 漱口并立即就医。

First Aid Measures for Different Kinds of Exposures:

- ◆ Inhalation: Move person to fresh air. Seek medical attention if irritation persists.
- ◆ Skin Contact: Wash with mild soap and running water. Use a washcloth to help remove dusts. To avoid further irritation, do not rub or scratch affected areas. Rubbing or scratching may force fibers into skin. Seek medical attention if necessary.
- ◆ Eye Contact: Take victim away the pollution area. Wash eyes with running water for at least 15 minutes. Seek medical attention if irritation persists.
- ◆ Ingestion: Rinse mouth with water and seek medical attention immediately.

最重要症状及危害效应/Most Important Symptoms and Hazard Reactions:
刺激皮肤。Irritate skin.

对急救人员之防护/Protection to First-Aid Attendants:
无资料。No information available.

对医师之提示/Suggestions to Doctors:
对症治疗。Treat symptomatically.

5、消防措施 Fire Fighting Measures

适用灭火剂/Suitable Extinguishing Media:
水/二氧化碳/泡沫/干粉。Water, CO₂ Foam and dry chemical.

灭火时可能遭遇之特殊危害/Special Hazards in Fire: 浓烟、烟灰、一氧化碳、二氧化碳及其它有毒气体。smoke, ash, CO, CO₂ and other toxic gases.

特殊灭火程序/Special Fire-Fighting Procedures:
无。N/A.

消防人员之特殊防护设备/Required Special Protective Equipment for Fire-Fighters:
消防人员必须穿戴个人防护设备和正压呼吸设备。
Fire-Fighters should wear proper protective equipment and positive pressure self-contained breathing apparatus.



6、泄漏应急处理 Accidental Release Measures

个人应注意事项/ Personal Precautions: 该产品以固态形式存在, 不存在泄漏危害。Not applicable, material is an article. 环境注意事项/Environmental

Precautions:

不适用。Not applicable.

清理方法/Methods for Cleaning:

不适用。Not applicable.

7、操作处置和储存 Handling and Storage

操作处置/Handling: 保持良好的工业卫生习惯。在裁剪/钻孔/研磨边过程中将粉尘吸入及皮肤和眼睛接触机会减至最低。注意适当通风。

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

储存/ Storage:

储存在阴凉干燥的地方, 远离潮湿, 热源。 Store in a dry place away from sunlight, moisture, heat.

8、接触控制和个体防护 Exposure Control and Personal Protection

工程控制/ Engineering Measures:

控制参数/ Control Parameters:

·八小时日时量平均容许浓度(TWA)/短时间时量平均容许浓度(STEL)/最高容许浓度(CEILING): 无数据。No information available.

·生物指标/ BEIs: 无数据。No information available.

个人防护设备:

- ◆ 呼吸防护: 裁剪/钻孔/研磨过程中戴防尘口罩。
- ◆ 手部防护: 裁剪/钻孔/研磨过程中戴防护手套。
- ◆ 眼睛防护: 裁剪/钻孔/研磨过程中使用护目镜。
- ◆ 皮肤及身体防护: 裁剪/钻孔/研磨过程中穿防尘工作服。

Personal Protection Equipment:

- ◆ Respiration: Use dustproof respirator when trimming, drilling and milling.
- ◆ Hand: Wear dustproof gloves when trimming, drilling and milling
- ◆ Eye: Wear safety glasses when trimming, drilling and milling
- ◆ Skin & Body: Wear dustproof smock when trimming, drilling and milling



9、理化特性 Physical and Chemical Properties

物质状态/ State of Substance: 固体。Solid.	形状/Appearance: 板材。Board.
颜色/Color: 黄色。Yellow.	气味/Odor: 无味。Odorless.
pH 值/pH Value: 不适用。N/A.	沸点/沸点范围/Boiling Point: 不适用。N/A.
熔点/凝固点 Melting /Solidify Point: 不适用。N/A.	挥发速率/Evaporative Speed: 不适用。N/A.
分解温度/Decomposing Temperature: 370 °C	闪火点/Flashpoint: 不适用。N/A.
自燃温度/Self-Igniting Temperature: 440 °C.	爆炸界限/Explosion Limits: 不适用。N/A.
蒸气压/Vapor Pressure: 不适用。N/A.	蒸气密度/Vapor Density: 不适用。N/A.
密度/Density: 1.7-2.1g/cm ²	溶解度/Dissolution: 不溶。Insoluble.

10、稳定性和反应性 Stability and Reactivity

稳定性/Stability: 常温常压下或预期的储存条件下稳定。 Being stable under the conditions of room temperature and normal pressure.
特殊状况下可能之危害反应/Possible Hazard Reaction Under Special Conditions: 无。 No.
应避免之状况/Conditions to Avoid: 在热氧环境下会老化变色。 Aging and discoloration occur in a hot and oxygen environment.
应避免之物质/Materials to Avoid: 强氧化性物质。 Strong oxidizing agents.
危害分解物/Hazardous Decomposition Products: 一氧化碳、二氧化碳及其它有毒气体。 CO, CO ₂ and other toxic gases.

11、毒理学信息 Toxicological Information

急性毒性/Acute Toxicity: 本身不具有急性毒性。 Have no acute toxicity
局部效应/Local Reactions: 无数据。 No information available.
致敏感性/Sensitivity: 碎屑清理/裁剪/磨边过程中产生的粉屑将导致眼睛、皮肤中度过敏。 Dust from trimming, drilling and milling operations may cause middling irritation to the eye and the skin.
慢性或长期毒性/Chronic or Long Term Toxicity: 无资料。 No information available.
特殊效应/Special Reactions: 无数据。 No information available.



12、生态学信息 Ecological information

可能之环境影响/环境流布/Possible Environmental Impact/Environmental Run-offs:

生态毒性: 无资料。

生物降解性: 非生物降解。

非生物降解性: 无资料。

Ecological Toxicity: No relative data.

Biodegradability: Not biodegradable

Nonbiodegradability: No relative data.

13、废弃处置 Disposal considerations

废弃处置方法: 废弃物性

质: 工业固体废物。

废弃处置方法: 以国家和当地规定掩埋处理。

废弃注意事项: 进行废弃时,应保证不对环境造成污染。

Disposal Methods:

Waste Property: Industrial solid waste.

Waste Disposal: Landfill in accordance with state and local requirements.

Waste Note: When abandoned should ensure that not cause the pollution to the environment

14、运送信息 Transport information

国际运送规定/International Transportation Regulations:

无资料。 No information available.

联合国编号/UN Reference No.: 无资料。 No information available.

国内运送规定/Domestic Transportation Regulations:

无资料。 No information available. 特殊运送方法及

注意事项:

1. 防止潮湿和日光暴晒。
2. 车辆急起急停可能导致滑动, 造成刮伤、撞伤。

Special Transportation Methods and Precautions:

1. Protect against moisture and sunlight.
2. The product may cause slip, scratch, bump when the vehicle is stop and start suddenly.

15、法规信息 Regulatory information

适用法规:

《危险货物品名表 GB12268-2012》中没有列入该类化学品。

Applicable Regulation:

The product did not be included the <The Description of Dangerous Goods Table GB12268-2012>



16、其他信息 Other information

参考文献 Ref. Document	
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