

Material Safety data Sheet (MSDS)

一、 物品与厂商资料 Items and Manufacturer's data

物品名称 Product Name	介质浆料 Dielectric Pastes	物品编号 Product No.	I-5337	供应商 Supplier	西安宏星电子浆料科技有限责任公司 Xi'an Tengxing Electronic Technology Co.,Ltd.
供应商地址 Supplier Address	陕西省西安市电子城电子西街三号 No.3 Dianzi West Street, Electronic City, Xi 'an City, Shanxi Province	供应商电话 Supplier Tel.	029-88221280	企业应急电话 Supplier Emergency Tel.	029-88224510

二、 成份辨识资料 Component Identify Information

中文名称 Chinese Name	介质浆料	英文名称 English Name	Dielectric Pastes
同义名称 Alias	玻璃浆料 Glass-glaze paste		
外观与特性 Appearance and Characteristic	绿色膏状流体物 Green Paste Fluid		
主要成份 Main ingredients	质量百分含量 Range (%)	CAS NO.	
Si-B-Bi 系玻璃 Si-B-Bi series glass	60~75	-	
三氧化二铬 Cr ₂ O ₃	1~5	1308-38-9	
乙基纤维素 Ethyl cellulose	1~5	9004-57-3	
松油醇 Terpineol	20~30	10482-56-1	

三、 危害辨识的资料 Hazard Identification Information

最重要的危害效应 The	健康危害 Health hazard	导致眼睛、皮肤和呼吸道的不适。 Cause eye, skin and respiratory discomfort.
	环境影响 Environment effects	会释放轻微的气味。 Release the slight scent

worst important hazard affect	物理及化学性危害 Physical and chemical Damage	无害 Harmless	
主要症状 Cardinal symptom		眼、鼻、喉黏膜刺激症状和皮肤过敏、发红。 Stimulate the Eyes, Nose, Laryngeal mucosa and cause allergic skin reactions	
物品危险性类别 Danger Degree		无害品 Harmless	所需图示种类 The required schema types

四、急救措施 Fit Aid Measures

不同接触途径的急救办法 First aid measures for different contact channels	皮肤接触 Skin exposure	立即脱去被污染的衣物，用肥皂水或清水彻底清洗。 Remove contaminated clothing and shoes. Wash thoroughly with soap or clean water.
	眼睛接触 Eye contact	立即提起眼睑，用大量流动清水或生理盐水彻底冲洗眼睛至少 15 分钟，就医。 Filed eyelid immediately, wash eye thoroughly with flush water or physiological saline for at least fifteen minutes and seek medical assistance.
	吸入 Inhalation	迅速脱离现场至空气新鲜处，保持呼吸道畅通。如果呼吸困难，立即输氧。如果无呼吸，立即实施人工呼吸，就医。 Remove to fresh air, keep respiratory tract smooth. If breathing is difficult, Input oxygen at once. If no breathing, give artificial respiration immediately and seek medical assistance.
	食入 Ingestion	饮足量温水，催吐，就医。 Drink enough Warm water to vomiting, seek medical assistance immediately.
	给医生的建议 Advise for doctor	提示吸入或误食含玻璃介质浆料。 Point out if somebody breath or eat Glass Dielectric Pastes.

五、灭火措施 Fire Fighting Measures

适用灭火剂 Suitable Extinguishing Media	二氧化碳 Carbon dioxide
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灭火时可能遇到的特殊危害 Special hazards may be encountered during fire extinguishing	烧伤与有机气体对呼吸系统造成损害 Burns and Organic gas hurt respiratory system.
灭火方法 Fire fighting methods	佩带呼吸面具，按石油类灭火要求穿着。 Wear a breathing mask, wearing according to requirements petroleum fire fighting required.

六、 泄漏处理方法 Accidental release measures

个人注意事项 Personal precautions	穿着适当的防护服，戴口罩、手套、工作帽 处理现场，切断火源。 Wear proper protective clothing, mask, gloves and working cap to do the job, cut off the fires.
环境注意事项 Environmental Precautions	防止进入下水道、排洪沟等限制空间。 Prevent it from entering the Limited space, such as sewer, canal, etc.
处理办法 Treatment methods	收集，并用乙醇将污染物清洗干净。 Collection and clean the pollutants with alcohol.

七、 储运资料 Storage and transportation data

储存要求 Storage requirement	远离明火、5~25℃环境温度下密封储存。 Keep it away from open fire and store in a seal at an ambient temperature of 5 to 25 °C.
搬运要求 Handling requirements	搬运时轻装轻卸，防止包装及容器损坏。 Light load and light discharge to prevent packaging and container get damage.

八、 暴露预防措施 Exposure controls measures

车间浓度控制标准（参考） Workshop concentration control standard (reference)	暂无 No data available
工程控制 Engineering control	注意通风换气 Ventilation
个人防护措施 Personal protective measures	呼吸系统防护 Respiratory system protection 口罩 Mask
	手防护 Hand protection 手套 Gloves
	眼睛防护 Eyes protection 化学防护镜 Chemical goggles

	皮肤及身体防护 Skin and body protection	正规工作服装 Regular work clothing
	其它 Others	工作现场严禁吸烟 No smoking in workshop
卫生措施 Health measures		操作完毕立即洗手 Washing hands immediately after the work finished.

九、 物理及化学特性 Physics and chemistry properties

熔点 (°C) Melting point	500-600	沸点 Boiling point	210~240	折射率 Refractive index	/	溶解性 Solubility	易溶于松油醇等有机溶剂 Soluble in organic solvents such as terpineol and so on.
饱和蒸气压 (Kpa) Saturated vapor pressure	无数据 No data	PH 值 PH Value	/	闪点(°C) Flash point	/	相对密度 (水=1) Relative density (Water=1)	1.2~1.7
相对密度(空气=1) Relative densities (air=1)		/					

十、 稳定性及反应性 Stability and reactivity

稳定性 Stability	稳定 Stabilization	聚合危害 Aggregate harm	无 No
特殊状况下可能产生的危害反应 The possibility harmful reaction caused in special situations	在开封状态下, 当温度大于 100°C, 溶剂开始挥发, 对人员的眼睛、呼吸道有刺激并对本品的品质有危害。 When open the package and the temperature exceed the 100°C, the solvent will evaporate that will stimulate the Eyes、Laryngeal mucosa and also debase the quality.		
应避免之物质 Avoid the substances	避免粉尘或其他液体混入。 Avoid the dust or other liquids mixed.		
危害之分解产物 Damage of the decomposition products	无 No		

十一、 毒性资料 Toxicity data

急毒性 Acute poisoning	无 No
生殖毒性 Reproductive toxicity	/
慢毒性或长期毒性 Chronic toxicity or long-term toxicity	/

十二、生态资料 Ecological Information

可能的环境影响 The possibility impacts on the environmental	本品与水及空气均不会反应,其废渣不会影响植物的正常生长。 The goods doesn't produce chemical reaction with water and air, and the waste residue also doesn't affect the normal growth of plants.
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十三、废弃处理办法 Method about waste

废弃处理办法 Method about waste	收集于专用废品箱交专业人员保管。 Collect in the special waste box and hand over to professionals for safekeeping.
容器的处理办法 Method about cans	分类存放, 找有资质的单位进行回收处理。 Classified storage, find qualified units for recycling processing.

十四、运送资料 Shipping information

包装分类 Packaging Groups	按不含铅类产品包装 Packaging according to the no-lead	包装标志 Packing mark	产品专用标签、RoHS 绿色环保标志 Special label、RoHS label
包装方法 Packing method	聚乙烯塑料瓶、外纸箱 Polyethylene plastic bottles, Outside carton.		

十五、法规资料 Regulations Information

适用法规 Applicable regulations	1. 危险化学品安全管理条例; 2. 工作场所安全使用化学品规定; 3. 常用危险化学品的分类及标志; 4. 化学品安全技术说明书编写规定。 1. Regulations on the Safety Administration of Hazardous Chemicals; 2. Regulations on the safe use of chemicals in the workplace; 3. Classification and marking of commonly used hazardous chemicals; 4. Provisions for the preparation of chemical safety technical specifications.	
标识信息 Identity	R 警告语 R warnings	/

information	S 警告语 S warnings	/
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十六、 其它资料 **Other Information**

参考文献 References	西安宏星电子浆料科技有限责任公司技术资料 Xi 'an Hongxing Electronic Paste Technology Co., LTD	厂家制订日期 Factory Prepared Date	2011.12
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