佛山市科奇新材料有限公司 Foshan Fokis New Materials Co., Ltd

物质安全资料表 Material Safety Data Sheet

I. 物品名称与厂商资料 Identification of the substance / preparation and company

产品名称/编号 Product Information / Number : 接枝胶 / Graft Adhesive					
制造商或供货商名称地址及电话 Information on Producer/Supplier Name、Addresses、Phone : 佛山市科奇新材料有限公司/广东省顺德区杏坛镇东村第二工业区/0757-22897531 FOSHAN NEW MATERIAL Co.,Ltd / 2ND INDUSTRY ZONE，DONG VILLAGE,XINGTAN TOWN,SHUNDE DISTRICT ,FASHAN CITY,GUANGDONG PROVINCE,CHINA/86-0757-22897531					
紧急联络电话/传真 Emergency Phone / Fax：Tel:0757-22897531/Fax:0757-28622295					
国家化学事故应急咨询电话 National Consulting hotline for Chemical Accidents & Emergencies : 0532-3889090 ; 0532-3889191					
制窗体位 Compile Section	名称 Name：市场部 Market department				
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II. 成分辨识资料 Composition / Information on Ingredients

混合物 Mixing :

化学性质 Chemical Characteristics：			
危害物质成分之中英文名称 Hazardous Components Name	化学文摘社登记号码 CAS No.	浓度或浓度范围 Concentration / Percentage (%)	NFPA 危害等级 NFPA Hazard Rating
乙酸乙酯 Ethyl Acetate	141-78-6	15-30	H: 1 / F: 3 / R: 0
甲乙酮 Methyl Ethyl Ketone	78-93-3	50-65	H: 1 / F: 3 / R: 0
氯丁树脂 Neoprene Resin	N/A	17-24	N/A
其它 Others	N/A	5-15	N/A

* H: 健康 Health　F: 火灾 Fire　R: 反应 Reactivity

III. 危害辨识数据 Hazard Identification

紧急信息 Information in emergency : 高度易燃 Extremely flammable.

- 眼睛接触 **Eye Contact** : 如不及时清除, 会刺激眼睛, 或伤害眼膜. Irritating and may injure eye tissue if not removed promptly.
- 皮肤接触 **Skin Contact** : 经常或长期接触会引起刺激或皮炎, 重复或长期接触会引起皮肤脱脂, 导致皮肤刺激或干燥. Frequent or prolonged contact may irritate and cause dermatitis. Repeated or prolonged contact may cause de-fatting of the skin, which may lead to skin irritation and / or dryness.
- 吸入 **Inhalation** : 吸入过量可能会刺激呼吸道, 引起眼部刺激或呕吐, 应注意吸入的浓度不要超过 TWA 值. Overexposure may be irritating to respiratory passages and cause other effects such as eye irritation or nausea. Care should be taken not to exceed the TWA.
- 食入 **Ingestion** : 刺激口, 喉, 胃. 可能会引起胃部紊乱或伤害. 在吞食或呕吐时少量液体会渗入呼吸系统, 可能会引起肺部水肿, 支气管肺炎. Irritating to mouth, throat and stomach. May cause gastric tract disorder and / or damage. Small amount of liquid aspirated into the respiratory system during ingestion or from vomiting, may cause bronchopneumonia of pulmonary edema.

IV. 急救措施 First Aid Measures

• 吸入 **Inhalation**：将患者移至空气清新处. 如果呼吸困难, 立即供氧; 如果呼吸停止, 立即施予人工呼吸并送医治疗. Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention. • 皮肤接触 **Skin Contact**：以大量清水或肥皂水洗清. 脱掉严重污染的衣服, 鞋. 在再穿之前洗净, 如果刺激持续, 请就医. Flush with large amount of water; Use soap if available. Remove grossly contaminated clothing, including shoes and launder before re-use. Discard shoes. If irritation persists, get medical attention. • 眼睛接触 **Eye Contact**：立即翻起上下眼睑以大量水冲洗 15 分以上, 并及时送医治疗. Immediately flush eyes with large amount of water for at least 15 minutes, lifting upper and lower lids. Get prompt medical • 食入 **Ingestion**： 避免催吐, 如患者清醒, 给予牛奶或水以稀释胃液, 注意保暖, 保持休息, 并送医治疗. Do not induce vomiting. If individual is conscious, give milk or water to dilute stomach contents. Keep warm and quiet. Get prompt medical attention.
对医师之提示 **Note to physician**: 若是吸入, 请考虑输氧, 若是食入, 应考虑胃的伤害, 避免碳酸盐或重碳酸盐. For inhalation, consider oxygen. For ingestion, consider gastric ravage. Avoid carbonates, bicarbonates.

V. 灭火措施 Fire Fighting Measure

闪点 **Flash Point** : -5 ℃
自燃点 **Auto-ignition** : 408 ℃
燃烧上下限 **Low / Upper Flammable limits** : 1.8 – 12.8 %
适用灭火剂 **Extinguishing Media** : 使用水雾, 泡沫, 化学干粉或二氧化碳灭火剂. Use water spray, foam, dry chemical or carbon dioxide.
灭火程序 **Fire fighting procedures**: 消防人员须佩戴便携式呼吸器以防止有毒或刺激性气体. Fire fighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.
危害分解物 **Hazardous Decomposition**: 热分解时会产生一氧化碳, 未知的有机化合物. Thermal decomposition could produce carbon monoxide, unidentified organic compounds.

VI. 泄漏处理方法 Accidental Release Measures

泄漏处理程序 **Spill and leak procedure**: 熄灭火源, 若无危险, 尽量堵住外泄物. 若少量泄漏, 用沙或吸附性物质吸干;若泄露量大, 先筑堤将外泄物围堵, 等待处理. 危险场所不能有烟火, 并隔离闲人. Shut off ignition sources. Stop leak if you can do it without risk. For small liquid spills, take up with sand or other absorbent material. For larger spills, dike far ahead of spill for later disposal. No smoking, flares of flames in hazard area. Keep unnecessary people away.
环境保护 **Environmental protection** : 防止扩散, 避免流入下水道. Prevent diffusion, Prevent entry into the sewage system.
为了安全和环境的预防, 请参考完整的 MSDS 数据. For safety and environmental precautions please review entire MATERIAL SAFETY DATA SHEET, for necessary information.

VII. 安全处置与储存方法 Handling and Storage

处置 **Handling** : 保持工作场所通风良好 . Ensure efficient exhaust ventilation in the working area.
储存 **Storage** : 密封储存于 5--40℃. Keep container tightly closed and store between 5℃ and 40℃.

VIII. 暴露预防措施 Exposure Control / Personal Protection

暴露界限 **Exposure limits**		
成分 Component	TWA	
	OSHA	ACGIH

甲苯 Toluene	100 ppm	100 ppm
乙酸乙酯 Ethyl Acetate	400 ppm	400 ppm
丙酮 Acetone	750 ppm	500 ppm
甲乙酮 Methyl Ethyl Ketone	200 ppm	200 ppm

个人防护设备 **Personal Protection Equipment :**

- 通风防护 **Ventilation protection** : 保持工作场所通风良好. Ensure efficient exhaust ventilation in the working area.
- 呼吸防护 **Respirator protection**: 避免过长或重复呼吸其蒸气或烟雾, 若超过职业暴露限制, 请佩戴 NIOSH 确认的呼吸器. Avoid prolonged or repeated breathing of vapor or mists. If exposure may exceed occupational exposure limits, use a NIOSH approved respirator to prevent overexposure.
- 眼部防护 **Eye protection** : 戴化学护目镜. Wear chemical goggles.
- 手部防护 **Hand protection** : 建议戴防渗橡胶手套. Impervious neoprene or rubber gloves are recommended.
- 衣服防护 **Clothing protection** : 使用符合工业卫生标准的衣服. Standard industrial hygiene procedures should be practiced.

卫生措施 **Hygiene Procedures** : 遵循一般预防措施, 污染的衣物立即更换, 工作后洗手. Observe the common precautionary measure, contaminated clothes must be changed immediately. Wash hands after work is completed.

IX. 物理及化学性质 Physical and Chemical Properties / Characteristics

外观 **Appearance** : 淡黄色液体 Light yellow liquid
沸点/沸点范围 **Boiling Point / Boiling Range**: 70 – 81 ℃
气味 **Odor** : 辛辣刺激味. Pungent odor
比重 **Specific Gravity** : 0.84 - 0.89 (Water=1)
溶解度 **Solubility in Water** : 不溶. Insoluble.

X. 安定性及反应性 Stability and Reactivity

安定性 **Stability** : 安定**.** Stable.
应避免之状况 **Conditions to Avoid** : 远离火源. Keep away from flame.
应避免之物质 **Incompatibility** : 强碱和强酸. Strong alkalis and strong acids.
危害分解物 **Hazardous Decomposition Products** : 热分解时会产生可燃有毒的气体. Formation of combustible and noxious fumes during thermal decomposition.

XI. 毒性资料 Toxicological Information

- 甲苯 **Toluene** :
  刺激资料 Irritation data : Eye-rabbit : 2 mg/24H SEV ; Skin-rabbit: 435 mg MLD
  毒性资料 Toxicity data : LD50 skin-rabbit 12124 mg/kg ; LD50 oral-rat 5000 mg/kg
  伤害器官 Target organs : Central nervous system .
- 乙酸乙酯 **Ethyl Acetate** :
  刺激资料 Irritation data : Eye-hmn : 400 ppm
  毒性资料 Toxicity data : LC50 inhalation-rat 1600 ppm/8H ; LD50 oral-rat 5620 mg/kg
  伤害器官 Target organs : Central nervous system .
- 甲乙酮 **Methyl Ethyl Ketone** :
  刺激资料 Irritation data : Eye-rabbit : 80 mg ; Skin-rabbit: 500 mg/24H MOD ;
  Skin-rabbit: 402 mg/24 H MLD; Skin-rabbit 13780 ug/24H open MLD
  毒性资料 Toxicity data : LC50 inhalation-rat 23500 mg/m3/8H ; LD50 oral-rat 2737 mg/kg
  伤害器官 Target organs : Central nervous system .

XII. 环境数据 Ecological Information

- **甲苯 Toluene**
  该物质预计对水生生物体有毒害性. Expected to be harmful to aquatic organisms.
- **乙酸乙酯 Ethyl Acetate**
  生态毒性资料 Ecotoxicity Data:
  鱼类 Fish toxicity: 1500000 ug/L 48 hour(s) LC 50 (Mortality) Medaka, high-eyes (Oryzias latipes).
  无脊椎动物 Invertebrate toxicity: 6000 mg/L 24 hour(s) EC 100 (Abundance) Water flea (Daphnia magna)
  海藻类 Algal toxicity : >1000000 ug/L 48 hour(s) (Population Growth) Green algae (Scenedesmus pannonicus).
- **甲乙酮 Methyl Ethyl Ketone**
  生态毒性资料 **Ecotoxicity Data:**
  鱼类 Fish toxicity: >400000 ug/L 96 hour(s) LC 50 (Mortality) Sheepshead minnow (Cyprinodon variegatus)
  无脊椎动物 Invertebrate toxicity: 5091000 ug/L 48 hour(s) EC 50 (Immobilization) Water flea (Daphnia magna)
  海藻类 Algal toxicity : >500000 ug/L 96 hour(s) EC 50 (Photosynthesis) Diatom (Skeletonema costatum)
  环境总结 Environmental Summary: Harmful to aquatic life.

XIII. 废弃处置方法 Disposal Information

废弃处置方法 **Waste disposal methods** : 依联邦, 国家或地方法规处理. Waste disposal should be in accordance with existing federal, state and local environmental regulations.
空容器警告 **Empty containers warnings** : 空容器可能含有化学残留物, 即使已倒空, 也要参照物质安全数据表 & 标签处理. Empty containers may contain product residue; follow MSDS and label warnings even after they have been emptied.

XIV. 运输资料 Transport Information

海运名称 Dot Shipping Name	联合国运输编号 UN Number	危害等级 Dot Hazard Class	包装分类 PCK GRP
易燃液体 Inflammable Liquid	1133	3	II

XV. 法规资料 Regulation Information

- TSCA: 所有成分都在 TSCA 详细目录中. All components are on the TSCA inventory.
- 欧共体危险, 安全短语 EC Risk and Safety Phrases:
  R11 : 高度易燃. Highly flammable.
  R36 : 刺激眼睛. Irritating to eyes.
  R38 : 刺激皮肤. Irritating to skins.
  R65: 有害 Harmful: 吞食可能引起肺的损伤. may cause lung damage if swallowed.
  R66 : 重复的接触会引起皮肤干燥或裂口. Repeated exposure may cause skin dryness or cracking.
  R67 : 蒸汽可能引起睡眠或头晕. Vapours may cause drowsiness and dizziness.
  S09 : 放置于通风良好的地方. Keep container in a well ventilated place.
  S16 : 远离火源, 严禁吸烟. Keep away from sources of ignition-No smoking.
  S25 : 避免接触到眼睛与皮肤. Avoid contact with skin and eyes.
  S33 : 防止静电. Take precautionary measures against static discharges.
  S43 : 在发生火灾时用沙, 土, 化学粉末或醇类泡沫灭火剂灭火. In case of fire use sand, earth, chemical powder or alcohol type foam.

XVI. 其它信息 Other Information

本数据只适用于产品本身, 不适用于和其它混合使用. 根据我们的研究和可靠的资料, 我们认为它是精确的, 但不保证它的精确性，另外，本产品可能由于使用目的，使用物的材质，使用条件的不同而出现差异。所以，希望各位用户经过实验确认后再正式使用。 The information given and the recommendations made herein apply to our products alone and not combined with other products. Such are based on our research and on data from other reliable sources and are believed to be accurate. No guaranty of accuracy is made。In addition,the product will have different effect according to the purpose ,material,and condition,Therefore,please have a test to assure the effection before formally use it.

资料来源 **Sources of information** :

参考文献：Reference document

《化学危险品消防与急救手册》，北京化学工业出版社，1994

Safely and Fine Protection Manual on Dangerous Goods

Publish by chemical industry publishing house.1994

《溶剂手册》，1994

Solvent handbook Publish by chemical industry publishing house,1994

《中华人民共和国消防法》Fire control low of the P.R.C

《有害化学品安全手册》Harmful chemical safouard handbook

《中华人民共和国职业病防治法》Industrial Disease Prevention Low of the P.R.C

《中华人民共和国环境保护法》Environment protection low of the P.R.C