



# 物质安全数据表

## Material Safety Data Sheet

No. 600431

第一部分 化学品及企业标识(Product and Company identification)					
化学品中/英文名称: ((Product name): Solder paste					
化学品俗名或商品名: (Popular name): SP601+T4			物料编号: (Material P/N): 800731		
企业名称: 适普(中国)有限公司 (Company name): Super-flex (China) Co, Ltd.			邮编: 510170 (Mailcode): 510170		
地址: 广州市荔湾区荔湾路小梅大街33号皇上皇大厦A1002室 (Address): Room A1002, Huang Shang Huang Building, 33 Xiao Mei Street, Liwan Road, Liwan District, Guangzhou, China					
企业应急电话: 86-020-81266148 (Emergency telephone number): 86-020-81266148			传真号码: 020-81267735 (Fax): 020-81267735		
国家应急电话: (State Emergency telephone number):			MSDS生效日期: (Supplier MSDS Effective Date): 2011-01-01		
第二部分 成分/组成信息(Composition/Information on ingredients)					
成分	%wt	化学文摘索引 (CAS) 登记号	TLV-TWA 毫克/立方米	PEL 毫克/立方米	TLV-STEL 毫克/立方米
松香	45-55	65997-05-9 (美国) (EU)	N. E 0.05	N. E -	N. E 0.15 (增感剂)
私有添加剂 剂所有权 POLYGYL COL ETHER	1  44-54	(美国) (Singapore)	- 5 N.E	5 - N. E	- - N. E
标示:Xn 危险用词: R36/37/38,R42 EU=欧洲暴露限度 N. E=未定 欧盟职业暴露限度					
第三部分 危险性概述(Hazards identification)					
危险性类别: (Specific hazards):			健康危害(Adverse human health effects):		
侵入途径: 眼睛, 皮肤, 食入, 吸入 眼睛接触: 引起眼睛中等不适, 如果不立即排出, 可能导致永久损害。 皮肤接触: 短间接接触可能引起轻微皮肤刺激, 发痒和局部发红。长时间暴露可能出现过敏反应。 食入: 吞食有害。可能引起口腔、食管和胃肠道不适或者有其他有害后果。 吸入: 吸入高温时材料散发的浓缩蒸气可能引起上呼吸道不适或者有其他有害后果。 慢性: 长时间或重复过度接触高温产生的烟雾或蒸气可能导致吸入物料到达有害或者不适的分量。 备注: 适普公司不推荐、生产、推销或授权其任何产品供食用。 (Exposure route): Eye, Skin, Inhalation, Ingestion			环境危害: 未定 (Environmental effects): N.E		

<b>第四部分 急救措施(First-aid measures)</b>	
<p>皮肤接触：脱下被污染衣物。用肥皂和清水冲洗创处。衣物清洗后方可再使用。如果不适持续，就医。</p> <p>(Skin contact): Remove contaminated clothing. Wash affected area with soap and water. Wash clothing before reuse. If irritation persists, obtain medical attention.</p>	<p>吸入：将病人移到通风处。如果停止呼吸，由经过训练人员做人工呼吸或输血。立即就医</p> <p>(Inhalation): Remove to fresh air. If not breathing, give artificial respiration or oxygen by trained personnel. Seek immediate medical attention.</p>
<p>眼睛接触：分开上下眼睑用大量清水冲洗至少15分钟。如不适持续，就医</p> <p>(Eye contact): Hold eye lids apart and flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation persists</p>	<p>食入：如病人清醒，只可以经过训练人员指导下诱导呕吐。切勿给昏迷中的病人口服任何东西。立即就医。</p> <p>(Ingestion): If patient is conscious, ONLY induce vomiting as directed . By trained personnel. NEVER give anything by mouth to an unconscious person. Seek medical attention immediately.</p>
<b>第五部分 消防措施(Fire-fighting measures)</b>	
<p>危险特性：未定</p> <p>(Specific hazards): N.E</p>	<p>灭火方法及灭火剂：使用与火势环境相符的灭火器具。泡沫、干化学剂、喷水和二氧化碳。</p> <p>(Methods/Equipment):</p>
<p>有害燃烧产物(Hazard burning: 未定</p>	<p>灭火注意事项：消防员必须穿着经批准的自备呼吸装置和全身保护消防服。</p> <p>(Note): Use extinguishers appropriate for the surrounding fire conditions.</p>
<b>第六部分 泄露应急处理(Accidental release measures)</b>	
<p>应急处理：戴防尘口罩和合适的个人防护衣物（参阅接触控制/个人防护部分）。熄灭或除去所有火源。使用惰性物料（比如，干沙或土）吸取泄漏物，装入化学废品容器。</p> <p>(Measures): Using a spatula, scoop up paste and place in a plastic or glass jar and tightly cap. Remove traces of paste residue using cloth rags or paper towels moistened with ethyl or isopropyl alcohol. Dispose contaminated cloth rags or paper towels following all Federal, State and Local regulations. In the EU refer to the Special Waste Regulations. Material may have reclaim value.</p>	<p>消除方法：未定</p> <p>(Methods for cleaning up): N.E</p>
<b>第七部分 操作处置与储存(Handling and storage)</b>	
<p>操作注意事项：避免吸入加热所散发的蒸气。避免与眼睛、皮肤和衣服接触。遵守常规安全处理程序。在充足通风状态下使用。</p> <p>(Note for handling): Keep containers tightly closed when not in use. Use care to avoid spills. Use only with production equipment specifically designed for use with solder paste. Wear appropriate</p>	<p>储存注意事项：远离热和火。将产品储存在合适、密闭、标示的容器中置于干燥、阴凉、通风处。空容器内有残存产品，可能有害。</p> <p>(Note for storage): Store product in tightly capped original containers in a cool, dry area. Refer to product label for specific storage temperature requirements. Rotate stock to ensure</p>

Personal protective equipment when working or handling solder paste. Always thoroughly wash your hands after handling this product. Do not touch or rub eyes until hands are washed.	Use before expiration date on the label.
第八部分 接触控制/个体防护(Exposure controls/personal protection)	
最高容许浓度：未定 (Maximum permissible concentration):	眼睛防护：化学保护眼镜或眼罩 (eye protection): Chemical safety glasses / goggles.
监测方法：未定 (monitoring procedures):	身体防护：未定 (Skin and body protection):
工程控制：建议使用局部抽风，特别是在加热时。 (Engineering measure to reduce exposure): Use only with production equipment with adequate ventilation and other safety features specially designed for use with solder paste. Control concentration of all components so that they're TLVs are not exceed.	手防护：未定 (Hand protection): stant gloves may be required for certain applications. Hot gloves as needs for melting applications.
呼吸系统防护： (respiratory protection): A NDSH approved or EU compliant CE marked air-purifying respirator with a fume/organic chemical cartridge is recommended under certain circumstances where airborne concentrations are expected to be elevated or exceed exposure limits.	其他防护：工作区需配备实验室工作服和眼睛冲洗喷泉。避免在高烟区域使用隐形眼镜。 (Other protection): Labcoat, eyewash fountain in work area. Avoid the use of contact
第九部分 理化特性(Physical and chemical properties)	
外观与性状：焊剂 (Appearance:form,colour): Grey colored paste	pH值：不适用 (pH): Not applicable
熔点：226C (Melting point) (℃) : 226C	相对密度： ( Relative water density) (水=1) :
沸点：不适用 (Boiling point) (℃) : Not applicable	相对蒸气密度：不适用 (Relative vapour density) (空气=1) :
饱和蒸气压： (Saturated vapour pressure) (kPa) :	燃烧热： (Heat of combution) (kJ/mol) :
临界温度： (Critical temperature) (℃) :	临界压力： (Critical pressure) (MPa) :
辛醇/水分配系数的对数值： (Octanal/water partition coeffient):	爆炸上限%： (Upper explosive limit) (V/V) :
闪点： (Flash point) (℃) : Not applicable	爆炸下限%： (Lower explosive limit) (V/V) :
引燃温度： (Autoignition temperature)) (℃) :	溶解性： (Solubility): Insoluble
主要用途： (Main usage):	
其他理化性质： (Other physical and chemical properties) :	

第十部分 稳定性和反应活性(Stability and reactivity)		
稳定性：总体稳定 (Stability): Stable.	聚合危害：不会产生 (Polymerization hazards): Will not occur	
禁配物： (Materials to avoid):	分解产物： (Decomposition products):	
避免的条件：高温。冰冻温度 (Conditions to avoid): Not established		
第十一部分 毒理学资料(Toxicological information)		
急性毒性： (Actue toxicity):	致突变性： (Mutability):	
亚急性和慢性毒性： (Long term or chronic toxicity):	致畸性： (Teratogenous):	
刺激性： (Irritant):	致癌性：NTP：否 OSHA：否 IARC：否 LD50：未定	
致敏性： (Sensitization):	其 他：已知焊剂烟雾导致职业哮喘 (Other):	
第十二部分 生态学资料(Ecological information)		
生态毒性：数据未定 (Ecological toxicity):	非生物降解性：数据未定 (Persistence):	
生物降解性： (degradability):	生物富集或生物积累性： (Bioaccumulation): Data not established.	
其他有害作用： (Other):		
第十三部分 废弃处置(Disposal considerations)		
废弃物性质： (Waste property):	危险废物： (Hazardous waste)	工业固体废物： (Industrial solid waste)
废弃处置方法：依照联邦、州和地方所有环境法规处置。在欧洲，依照特殊废物处理条例 (Method of disposal).Scrap metal alloy usually has value. Contact a commercial reclaimier for recycling. Otherwise, dispose of in accordance with all Federal, State and Local environmental regulations. In Europe follow the Special Waste Regulations.		
第十四部分 运输信息(Transport information)		
危险货物编号： (Hazardous goods Code):	包装标志： (Packaging mark) :	
UN编号： (UN classification number):	包装类别： (Packaging category):	
包装方法：罐装密封 (Packaging method):		
运输注意事项：遵照现行法规和要求进行运输。美国交通部没有规定。运输条例列为非危害品。 (Note): Transport in accordance with applicable regulations and requirements. Not regulated (US Department of Transportation).		

<p>第十五部分 法规信息(Regulation information)</p> <p>法规信息:          本化学品安全数据书中信息符合公布在美国法典 (29CFR 1910.1200ET.SEQ) 的美国职业安全与健康法规的规定。          本化学品安全数据书中信息符合欧盟化学品(有害信息和供应包装)条例1994(CHIP2)第6条的规定。 本产品已根据委员会指令的有害标准91/155/EEC和EH40归类 本产品已根据新加坡共和国工业卫生部制定的准则归类。 本产品使用&lt;中国工作场所有害因素职业接触限值&gt;GBZ2-2002进行归类。 所有成分都在美国环保署有毒物质管理法的存货中列出。</p> <p>(Regulation information):          The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated hereunder (29CFR 1910.1200 ET.SEQ).          The information in this Material Safety Data Sheet meets the requirements of the EU under Chemicals (Hazard Information and Packaging for Supply) Regulations 1994 (CHIP 2) Regulation 6.          This product has been classified in accordance with the hazard criteria of the Commission Directive 91/155/EEC and E H40.          This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulation (CPR).          WHMIS: D2A-Materials Causing Other Toxic Effects-Very Toxic Material (Chronic). Otherwise insufficient information.          This product has been classified in accordance with the guidelines set by Dept of Industrial Health of the Republic of Singapore.          This product has been classified in accordance with Mexican regulations NOM-018-STPS-2000 and NOM-010-STPS-1999.</p>
<p>第十六部分 其他信息(Other information)</p> <p>参考文献:            (Reference document):</p> <p>修改说明:          (Revise explanation):</p> <p>其他信息:          (Other information):</p>