

## 材料安全资料表 (MSDS)

## MATERIAL SAFETY DATA SHEET

## 1. 产品及制造商资料 Manufacture Information

产品 / Product:	IC(OB2362AMP)
制造商 / Manufacturer:	昂宝电子(上海)有限公司 On-Bright Electronics(Shanghai)Co.,Ltd
地址 / Adress:	中国上海张江高科技园区华佗路168号商业中心3号楼 Bldg.3, Business Center, 168 Huatuo Road, Zhangjiang Hi-Tech Park, Shanghai, PRC
应急电话 / Emergency Tel:	+86-21-50271718
联系人 / Contact: Joe Ma	传真 / Fax: +86-21-50271680

## 2. 产品成份 Composition

名称 / Name	物质 / Material	CAS No.	所占比例 / Approximate %
1. 引线框 Lead Frame	Metal(Cu, Fe, Ag)	--	15%-45%
2. 贴片胶 Die Attach	Epoxy Resin	7440-22-4, 112-07-2	<1%
3. 键合线 Bonding Wire	Ag, Au, Pd, Cu	7440-22-4, 7440-57-5, 7440-05-3, 7440-50-8	<1%
4. 塑封体 Molding Compound	Epoxy Molding Compound	--	50%-80%
5. 镀层 Lead Plating	Sn	7440-31-5	1%-5%
6. 芯片 Chip	Si	7440-21-3	1%-10%

## 3. 危害辨识及防范 Hazardous Identification and First-aid Measure

危害成份 / Harzardous substance:	N/A
危害 / Hazardous:	吞食有毒 Toxic if swallow
环境影响 / Environmental Hazard	N/A
物品危害分类 / Hazard Classification	N/A
防范措施 / First Aid Measure:	送医院就诊 Get medical attention

## 4. 急救措施/ First Aid Measures

不同暴露途径之急救方法 / First Aid Measures for Different Kinds of Exposures:	N/A
吸入 / Inhalation	N/A

皮肤接触 / Skin Contact	N/A	
眼睛接触 / Eye Contact	N/A	
食入 / Ingestion	送医院就诊	Get medical attention

## 5. 物理、化学特性 Physical & Medical Properties

物质状态 / Physical State:	固体 / Solid
外观 / Appearance:	主体黑色，引脚白色(金属光泽) / Body-Black, Lead-White (Metallic Color)
气味 / Odor:	无气味 / Inodorous
沸点 / Boiling Point:	N/A
分解湿度 / Decomposing Humidity:	N/A
自燃温度 / Firing Point:	N/A
闪点 / Flash Point:	N/A
蒸气压 / Vapor Tension:	N/A
密度 / Density:	N/A
溶解度 / Solubility:	N/A

## 6. 灭火措施 Fire-fighting Measures

可燃界限 / Flammable Limits:	阻燃 / Flame-retardant
灭火剂 / Extinguishing Media:	泡沫，二氧化碳或砂 / Foam, Carbon Dioxide or Sand

## 7. 泄漏处理方式 / Leakage Handling Measures

注意事项 / Attention:	无泄露之危险 / N/A
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## 8. 处置与储存 Handling and Storage

处置 / Handling:	远离酸性环境 / Keep acid conditions away 远离火源 / Keep ignition sources away 防止静电 / Protect against electrostatic charges
储存 / Storage:	密封包装 / Keep container tightly sealed 储存于低温、干燥环境 / Store in cool, dry conditions 远离酸性环境 / Keep acid conditions away 远离火源 / Keep ignition sources away 防止静电 / Protect against electrostatic charges

## 9. 暴露预防措施 Exposure Controls and Personal Protection

工程控制 / Engineering control:	N/A
控制参数 / Control parameters:	N/A
个人防护设备 / Personal protective equipment:	N/A

## 10. 安定性及反应性 Stability and Reactivity

安定性 / Stability:	储存于规范环境，3年内(制造日期)不会发生品质变异 / Quality variation will not occur in 3 years(after manufacture)
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	if stored according to specifications
特殊状况下可能之危害反应 / Special hazard:	搬运时摔伤、变形造成损坏 / Broken or distortion caused by transit
应避免之状况 / Avoidable conditions:	避免储存于高温、高湿及酸性环境中 / Avoid keeping in high temperature & humidity or acid conditions
应避免之物质 / Acoidable substance:	水、酸碱、强氧化剂 / Water, Acid or Alkali, Oxidizing agents
危害分解物 / Dangerous products of decomposition:	N/A

11. 毒性资料 Toxicological information

急毒性 / Acute toxicity:	N/A
主要刺激效果 / Primary irritant effect:	N/A
其它毒性信息 / Additional toxicological information:	N/A

12. 生态资料 Ecological information:

可能之环境影响/ Potential environmental influence:	无环境影响 / No environmental influence
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13. 废弃物处置 Waste Disposal Consideration

废弃物处置 / Waste Disposal Consideration:	采用符合政府法规方法处置 / Follow government regulations
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14. 运送资料 Transport Information

国际运送规定 / International transport specifications:	N/A
国内运送规定 / Internaltransport specifications:	N/A
特殊运送方法及注意事项 / Special transport method and notice:	应妥善包装，避免运送途中发生倒塌变形 / Packed properly to avoid collapse and distortion

15. 法规资料 Regulations

适用法规 / Applicable regulations:	无 / NA
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16. 其他资料 Other Information:

参考文献 / Reference: N/A	
制表人 / Producer: Joe Ma	部门 / Department: QRA
日期 / Date: 2024/7/23	